5.4

IBM OMEGAMON for Db2 Performance Expert on z/OS Parameter Reference

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About this information

IBM OMEGAMON for Db2 Performance Expert on z/OS (also referred to as OMEGAMON for Db2 Performance Expert) is a performance analysis, monitoring, and tuning tool for Db2 on z/OS® environments.

The document is part of the OMEGAMON for Db2 Performance Expert documentation library which provides instructions for installing, configuring, and using OMEGAMON for Db2 Performance Expert and is designed to help database administrators, system programmers, application programmers, and system operators perform these tasks:

- Plan for the installation of OMEGAMON for Db2 Performance Expert
- Install and operate OMEGAMON for Db2 Performance Expert
- Customize your OMEGAMON for Db2 Performance Expert environment
- Diagnose and recover from OMEGAMON for Db2 Performance Expert problems
- Design and write applications for OMEGAMON for Db2 Performance Expert
- Use OMEGAMON for Db2 Performance Expert with other DB2 products

Chapter 1. Overview

IBM OMEGAMON for Db2 Performance Expert on z/OS (OMEGAMON for Db2 Performance Expert) enables you to monitor, analyze, and tune the performance of your Db2 subsystems and Db2 applications.

Service updates and support information

Service updates and support information for this product, including software fix packs, PTFs, frequently asked questions (FAQs), technical notes, troubleshooting information, and downloads, are available from the web.

To find service updates and support information, see the following website:

https://www.ibm.com/support/pages/omegamon-xe-db2-pepm-web-based-delivery-and-updates-windows-and-unix-based-components

How to read syntax diagrams

The rules in this section apply to the syntax diagrams that are used in this publication.

Arrow symbols

Read the syntax diagrams from left to right, from top to bottom, following the path of the line.

►►—

Two right arrows followed by a line indicate the beginning of a statement.

—►

One right arrow at the end of a line indicates that the statement syntax is continued on the next line.

►—

One right arrow followed by a line indicates that a statement is continued from the previous line.

—►◄

A line followed by a right arrow and a left error indicates the end of a statement.

Conventions

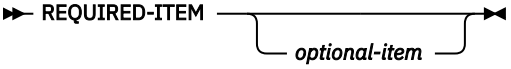
- SQL commands appear in uppercase.
- Variables appear in italics (for example, *column-name*). They represent user-defined parameters or suboptions.
- When entering commands, separate parameters and keywords by at least one blank if there is no intervening punctuation.
- Enter punctuation marks (slashes, commas, periods, parentheses, quotation marks, equal signs) and numbers exactly as given.
- Footnotes are shown by a number in parentheses, for example, (1).

Required items

Required items appear on the horizontal line (the main path).

Optional items

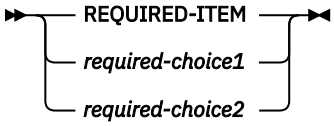
Optional items appear below the main path.



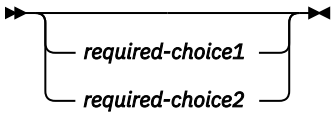
If an optional item appears above the main path, that item has no effect on the execution of the statement and is used only for readability.

Multiple required or optional items

If you can choose from two or more items, they appear vertically in a stack. If you *must* choose one of the items, one item of the stack appears on the stack main path.

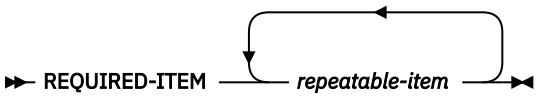


If choosing one of the items is optional, the entire stack appears below the main path.

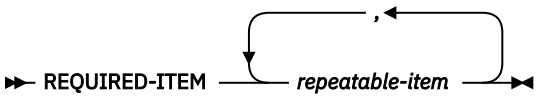


Repeatable items

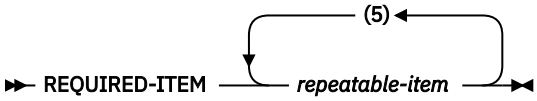
An arrow returning to the left above the main line indicates that an item can be repeated.



If the repeat arrow contains a comma, you must separate repeated items with a comma.



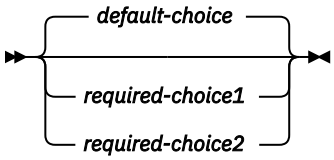
If the repeat arrow contains a number in parenthesis, the number represents the maximum number of times that the item can be repeated.



A repeat arrow above a stack indicates that you can specify more than one of the choices in the stack.

Default keywords

IBM-supplied default keywords appear above the main path, and the remaining choices are shown below the main path. In the parameter list following the syntax diagram, the default choices are underlined.



Conventions

These conventions are used throughout the documentation.

Symbols

The following symbols might appear in command syntax:

Symbol	Usage
|	The **or** symbol is used to denote a choice. You can use the argument on the left or the argument on the right. For example: `YES | NO` In this example, you can specify YES or NO.
( )	Denotes optional arguments. Arguments that are not enclosed in square brackets are required. For example: `APPLDEST DEST (ALTDEST)` In this example, DEST is a required argument and ALTDEST is optional.
{ }	Some documents use braces to denote mandatory arguments, or to group arguments for clarity. For example: `COMPARE {workload} - REPORT={SUMMARY | HISTOGRAM}` In this example, the workload variable is mandatory. The REPORT keyword must be specified with a value of SUMMARY or HISTOGRAM.
_	Default values are underscored. For example: `COPY infile outfile - [COMPRESS={YES | NO}]` In this example, the COMPRESS keyword is optional. If specified, the only valid values are YES or NO. If omitted, the default is YES.

Notation conventions

The following conventions are used when referring to high-level qualifiers:

hilev
A high-level qualifier. The high-level qualifier is the first prefix or set of prefixes in the data set name. Site-specific high-level qualifiers are shown in italics.

For example:

- *thilev* refers to the high-level qualifier for your target data set.
- *rhilev* refers to the high-level qualifier for your runtime data set.

  For members in target libraries, the high-level qualifier is *thilev* rather than *rhilev*.
- *shilev* refers to the SMP/E library high-level qualifier.

Terminology

The following table shows the products that are described in this publication and the short names with which they are referred to throughout this publication.

Table 1. Product names and their short names

Product name	Short name
IBM OMEGAMON for Db2 Performance Expert on z/OS	OMEGAMON for Db2 Performance Expert

Accessibility features

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use a software product successfully.

The major accessibility features in this product enable users to perform the following activities:

- Use assistive technologies such as screen readers and screen magnifier software. Consult the assistive technology documentation for specific information when using it to access z/OS interfaces.
- Customize display attributes such as color, contrast, and font size.
- Operate specific or equivalent features by using only the keyboard. Refer to the following publications for information about accessing ISPF interfaces:
  - *z/OS ISPF User's Guide, Volume 1*
  - *z/OS TSO/E Primer*
  - *z/OS TSO/E User's Guide*

  These guides describe how to use the ISPF interface, including the use of keyboard shortcuts or function keys (PF keys), include the default settings for the PF keys, and explain how to modify their functions.

Chapter 2. Getting started

OMEGAMON for Db2 Performance Expert provides parameters for setting and storing configuration values.

Parameter names

Parameters can have different names such as the Configuration Tool name or BATCH parameter name.

Most parameters have several different names:

Parameter name
Name of the parameter as stored in a runtime library.

Configuration Tool field name
Name of the field that identifies the parameter on an interactive panel.

Batch parameter name
Name of the parameter in the batch parameter member.

PARMGEN name
Name of the parameter in the PARMGEN parameter list. Batch parameter names and PARMGEN names are usually different. In this instance, they are similar.

Variable place holders

These place holders are used in the parameter descriptions that follow.

Table 2. Variable place holders used in the parameter descriptions

Variable placeholder	Description
&O2CINAME	The name of the OMEGAMON Collector started task
&D2PWASNM	The name of the Performance Warehouse start job
&RTENAME	The name of the runtime environment
&RTESTCP	The started task prefix as specified in the runtime environment settings
&RTEU	The unit that is specified in the runtime environment settings for VSAM and non-VSAM libraries
&RTESTOR	The storage class specified in the runtime environment settings for non-VSAM libraries
&RTESMGT	The management class specified in the runtime environment settings for non-VSAM libraries
&RTEV	The volume serial (volser) specified in the runtime environment settings for non-VSAM libraries
&RTEVV	The volume serial (volser) specified in the runtime environment settings for VSAM libraries
&RTEVSTOR	The storage class specified in the runtime environment settings for VSAM libraries
&RTEVMGT	The management class specified in the runtime environment settings for VSAM libraries

Table 2. Variable place holders used in the parameter descriptions (continued)	
Variable placeholder	**Description**
&D2SECTYP	The security system specified in the runtime environment settings

Additional considerations

- Parameters that are written to configuration members mostly have a *<value>* as a place holder in the parameter name attribute. This place holder is replaced during creation of the configuration members.
- Some member names contain *ssid* written in lower case. This place holder is replaced with the subsystem ID of the target monitored database system. These configuration members exist for each configured monitored database.

Generating and editing the configuration profile

You can use one of three inputs to set up a configuration profile.

A PARMGEN configuration profile, which is given the RTE name, contains parameter values for all the parameters in a runtime environment. You can set up a configuration profile from any of the following inputs:

- You can use the initial values provided by IBM in the configuration profile member of the WCONFIG work control library as input. This method is most suitable for new customers who do not already have a configured runtime environment.
- If you have a runtime environment that is already configured by the Configuration Tool (ICAT) method and you want to use the batch parameter values of that runtime environment, you can run a conversion tool and use the existing parameter values as initial PARMGEN parameter values.

  Attention: After you convert the batch parameter member and then use the PARMGEN method to configure a new runtime environment, you cannot use the Configuration Tool to edit or maintain the configuration.
- You can create a new runtime environment batch parameter member in the WCONFIG library, and use the values in the batch parameter member as initial PARMGEN parameter values.

Creating Db2 subsystem configurations

This section explains how to create DB2 subsystem configurations in PARMGEN user profiles.

DB2 subsystem (and data sharing) configurations are configured along all other configuration parameters in the PARMGEN user profile. They are identified by **KD2_DBxx** where *xx* is the number that distinguishes different DB2 subsystem configurations. For example, **KD2_DB01** refers to the first DB2 subsystem configuration and **KD2_DB02** refers to the second DB2 subsystem configuration. You can create up to 99 DB2 subsystem configurations.

The section that holds DB2 subsystem configurations is structured as follows:

```
KD2_DB                  BEGIN

KD2_DBxx_ROW            xx
...

KD2_DByy_ROW            yy
...

KD2_DB                  END
```

where *xx* and *yy* are the numbers of those two DB2 subsystem configurations. The parameter **KD2_PFxx_PROFID** contains the ID that is used to assign a DB2 subsystem configuration with a DB2 profile.

In order to assign a DB2 profile to a DB2 subsystem configuration, use the parameter **KD2_DBzz_DB2_PROFID**. For example, to assign the DB2 profile **P0zz** to a DB2 subsystem configuration set, use the following parameter:

```
KD2_DBxx_DB2_PROFID       P0zz
```

Creating Db2 profiles

This section explains how to create DB2 profiles in PARMGEN user profiles.

DB2 profiles are configured along all other configuration parameters in the PARMGEN user profile. They are identified by **KD2_PFxx** where *xx* is the number that distinguishes different DB2 profiles. For example, **KD2_PF01** refers to the first DB2 profile and **KD2_PF02** refers to the second DB2 profile. You can create up to 99 DB2 profiles.

The section that holds DB2 profiles is structured as follows:

```
KD2_PF                    BEGIN

KD2_PFxx_ROW              xx
KD2_PFxx_PROFID           P0xx
KD2_PFxx_DESCRIPTION      “P0xx prof”
...

KD2_PFyy_ROW              yy
KD2_PFyy_PROFID           P0yy
KD2_PFyy_DESCRIPTION      “P0yy prof”
...

KD2_PF                    END
```

where *xx* and *yy* are the numbers of those two DB2 profiles. The parameter **KD2_PFxx_PROFID** contains the ID that is used to assign a DB2 subsystem configuration with a DB2 profile. You can chose your ID as you like but it is recommended to include the number that identifies the DB2 profile in the ID in order to easily identify the relationship between DB2 subsystems and DB2 profiles.

In order to assign a DB2 profile to a DB2 subsystem configuration, use the parameter **KD2_DBzz_DB2_PROFID**. For example, to assign the DB2 profile **P0xx** to a DB2 subsystem configuration set, use the following parameter:

```
KD2_DBzz_DB2_PROFID       P0xx
```

Chapter 3. Parameter information

These topics list the parameters you might need to configure for various product functions and environments.

Product parameters

OMEGAMON for Db2 Performance Expert's product parameters control the configuration of the OMEGAMON Collector, server, user interfaces, and Db2 subsystem monitoring.

Table 3. Global parameters
Configure these parameters:
“GBL_DB2_KD2_CLASSIC_STC” on page 15
“GBL_DSN_DB2_DSNEXIT” on page 15
“GBL_DSN_DB2_LOADLIB_V11” on page 16
“GBL_DSN_DB2_LOADLIB_V12” on page 17
“GBL_DSN_DB2_RUNLIB_V11” on page 18
“GBL_DSN_DB2_RUNLIB_V12” on page 18

Table 4. Classic UI parameters
Configure these parameters:
“KD2_CLASSIC_DB2ID_DEFAULT” on page 21
“KD2_CLASSIC_DB2PM_PLANPKG_OWNER” on page 22
“KD2_CLASSIC_LROWS” on page 24
“KD2_CLASSIC_MVS_SYSID” on page 25
“KD2_CLASSIC_UMAX” on page 27
“KD2_CLASSIC_USER_PROFILE” on page 28
“KD2_CLASSIC_VTAM_APPL_LOGON” on page 29
“KD2_CLASSIC_VTAM_NODE” on page 29

Table 5. General OMPE parameters
Configure these parameters:
“KD2_OMPE_AUTH_FAIL” on page 55
“KD2_OMPE_VSAM_VOLUME” on page 90
“KD2_OMPE_AUTODETECT” on page 56
“KD2_OMPE_CCPC_TIMER” on page 57
“KD2_OMPE_CCPC_TRACE” on page 58
“KD2_OMPE_CF_REBUILT” on page 58
“KD2_OMPE_CHECKSYS” on page 59
“KD2_OMPE_CPU_PARALLEL” on page 60

Table 5. General OMPE parameters (continued)
Configure these parameters:
“KD2_OMPE_DB2_EVENT” on page 61
“KD2_OMPE_DB2_EXIT” on page 61
“KD2_OMPE_DB2_USER” on page 62
“KD2_OMPE_DEADLOCK” on page 63
“KD2_OMPE_DSHLQ” on page 64
“KD2_OMPE_DSN_EXTENT” on page 65
“KD2_OMPE_DSP_SIZE” on page 65
“KD2_OMPE_EDMP_FULL” on page 66
“KD2_OMPE_EXTENT_THOLD” on page 67
“KD2_OMPE_GLOBAL_TRACE” on page 68
“KD2_OMPE_GRANT_AGUSER” on page 68
“KD2_OMPE_GRANT_EXUSER” on page 69
“KD2_OMPE_GRANT_PEUSER” on page 69
“KD2_OMPE_GRANT_PWUSER” on page 70
“KD2_OMPE_ISPF_LANGUAGE” on page 70
“KD2_OMPE_LOGSPACE” on page 71
“KD2_OMPE_MAX_SESSIONS” on page 71
“KD2_OMPE_MGMTCLAS” on page 72
“KD2_OMPE_PE_SUPPORT” on page 73
“KD2_OMPE_RUNALLOC” on page 74
“KD2_OMPE_SHARED_PROFILE_LIB” on page 75
“KD2_OMPE_STOCLAS” on page 75
“KD2_OMPE_SUB_D2PADASP” on page 76
“KD2_OMPE_SUB_D2PAGRPN” on page 77
“KD2_OMPE_SUB_D2PARCVT” on page 78
“KD2_OMPE_SUB_D2PASSIT” on page 78
“KD2_OMPE_SUB_D2PATSEC” on page 79
“KD2_OMPE_SUB_D2PAXCFT” on page 80
“KD2_OMPE_SYSAFF” on page 81
“KD2_OMPE_TCPIP_ADDRESS” on page 82
“KD2_OMPE_TCPIP_NAME” on page 82
“KD2_OMPE_THREAD_COMMIT” on page 83
“KD2_OMPE_TIMEOUT” on page 84
“KD2_OMPE_TRACE_LEVEL” on page 84

Table 5. General OMPE parameters (continued)
Configure these parameters:
“KD2_OMPE_UNIT” on page 85
“KD2_OMPE_UR” on page 86
“KD2_OMPE_USE_MODEL” on page 87
“KD2_OMPE_VOLUME” on page 87
“KD2_OMPE_VSAM_DSHLQ” on page 88
“KD2_OMPE_VSAM_MGMTCLAS” on page 89
“KD2_OMPE_VSAM_STOCLAS” on page 89

Table 6. OMEGAMON Collector parameters
Configure these parameters:
“KD2_PFnn_HIS_BUFSIZE” on page 125
“KD2_PFnn_HIS_COLL_INTV” on page 125
“KD2_PFnn_HIS_DB2_STAT” on page 126
“KD2_PFnn_HIS_DYN_MCLAS” on page 127
“KD2_PFnn_HIS_DYN_SCLAS” on page 128
“KD2_PFnn_HIS_DYN_UNIT” on page 130
“KD2_PFnn_HIS_DYN_VOLUME” on page 130
“KD2_PFnn_HIS_GDG_DSNAME” on page 131
“KD2_PFnn_HIS_GDG_MCLAS” on page 132
“KD2_PFnn_HIS_GDG_SCLAS” on page 133
“KD2_PFnn_HIS_GDG_UNIT” on page 133
“KD2_PFnn_HIS_GDG_VOLUME” on page 134
“KD2_PFnn_HIS_IFIREAD” on page 134
“KD2_PFnn_HIS_LOG1” on page 136
“KD2_PFnn_HIS_NEQSQL” on page 143
“KD2_PFnn_HIS_POSTPCT” on page 143
“KD2_PFnn_HIS_SEQ_ARC_GDGLIM” on page 145
“KD2_PFnn_HIS_SEQ_UNIT1” on page 157
“KD2_PFnn_HIS_START” on page 171
“KD2_PFnn_HIS_SUBINT” on page 173
“KD2_PFnn_HIS_SUBINT_UNIT” on page 174
“KD2_PFnn_HIS_SUSPCOLL” on page 174
“KD2_PFnn_HIS_VSAM_MCLAS1” on page 176
“KD2_PFnn_HIS_VSAM_SCLAS1” on page 181
“KD2_PFnn_HIS_VSAM_VOLUME1” on page 187

Table 6. OMEGAMON Collector parameters (continued)
Configure these parameters:
“KD2_PFnn_HIS_WHEN_AUTHID” on page 192
“KD2_PFnn_HIS_WHEN_CONNID” on page 193
“KD2_PFnn_HIS_WHEN_CORRID” on page 194
“KD2_PFnn_HIS_WHEN_ORIG” on page 194
“KD2_PFnn_HIS_WHEN_PLAN” on page 195

Table 7. Other parameters
Configure these parameters:
“KD2_PLAN_NAME_OVERRIDE” on page 239
“KD2_PFnn_SQLID” on page 228

Monitoring profile parameters

A **monitoring profile** is a set of configuration values that, when associated with a Db2 subsystem, controls the monitoring functions associated with the Db2 subsystem. If you have multiple Db2 subsystems with the same monitoring requirements, you can use the same monitoring profile for all of the Db2 subsystems. Monitoring profiles are reusable for Db2 subsystems that reside different LPARs and allow you to make changes to monitoring functionality without having to reconfiguring multiple individual Db2 subsystems.

As the runtime members for a Db2 subsystem depend on the configuration values of the monitoring profile as well as the configuration values of the Db2 subsystem itself, the creation of the runtime members requires two steps. The first step creates the profile members, where all values that are specific to the Db2 subsystem are substituted by variables, and writes them to *&rhilev.&rte.*RKD2PRF. The second step replaces these variables with the actual configuration values of the Db2 subsystem and writes the members to *&rhilev.&rte.*RKD2SAM and *&rhilev.&rte.*RKD2PAR.

Table 8. Monitoring functions and parameter sets	
For these monitoring functions:	**Configure the parameters listed in these parameter sets:**
Object analysis	“KD2_PFnn_OA - Object analysis” on page 196
Periodic exception processing	“KD2_PFnn_AEXCP - Periodic exception processing” on page 92
Thread history	“KD2_PFnn_THRDHIS - Thread history” on page 233
Snapshot history	“KD2_PFnn_SH - Snapshot history” on page 202
Db2 Explain	“KD2_PFnn_EX - Db2 Explain” on page 106
Db2 SQL Performance Analyzer	“KD2_PFnn_SQLPA - Db2 SQL Performance Analyzer” on page 229
Db2 traces	“KD2_PFnn_TRACES - Db2 traces” on page 236
Additional monitoring features	“KD2_PFnn_ACS - Monitoring” on page 91
	“KD2_PFnn_READA - Monitoring” on page 200

Db2 subsystem and related parameters

This section lists the Db2 subsystem parameters including those that control the PE Client.

Use these Db2 subsystem parameters to configure the following components:

- Db2 subsystem and PE Client
- Performance Warehouse
- PE Client

Table 9. Db2 subsystem and related functions and parameter sets

For these product functions:	**Configure the parameters listed in these parameter sets:**
Db2 subsystem PE Client	“KD2_DBnn_DB2 - Db2 subsystems” on page 30
Performance Warehouse	“KD2_DBnn_PWH - Performance Warehouse” on page 39

Chapter 4. GBL - Global

The GBL parameters control various global settings for your environment.

GBL_DB2_KD2_CLASSIC_STC

OMEGAMON Collector started task

Description

The name of the OMEGAMON Collector started task. This name should conform to any security facility in place in your installation.

Required or optional
Required

Default value
%RTE_STC_PREFIX%D2

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Started task

Default value
&RTESTCP.O2

Batch parameter name
KD2_CLA_STC

PARMGEN name
GBL_DB2_KD2_CLASSIC_STC

PARMGEN classification
CLA

GBL_DSN_DB2_DSNEXIT

DB2 exit library

Description

The name of the dataset in which the DB2 exit load modules reside that should be used by the OMEGAMON Collector.

Required or optional
Optional

Default value
DSN.V9R1M0.DSNEXIT

Location where the parameter value is stored
In the &O2CINAME member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line

```
// DD DISP=SHR,DSN=<value>
```

In the Configuration Tool (ICAT)

Panel name
DB2 Libraries

Panel ID
KD261P0

Panel field
Specify a DB2 exit library

Default value
None

Batch parameter name
KD2_OMPE_DB2EXIT

PARMGEN name
GBL_DSN_DB2_DSNEXIT

PARMGEN classification
DB2

GBL_DSN_DB2_LOADLIB_V11

Load library for DB2 Version 11

Description

The name of the dataset in which the DB2 load modules reside. Specify one DB2 load library for each DB2 subsystem version that you want to monitor.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the &O2CINAME member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
// DD DISP=SHR,DSN=<value>
```

Location 2
In the &O2CINAME member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
<value> +
```

Location 3
In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
```
<value> +
```

In the Configuration Tool (ICAT)

Panel name
DB2 Libraries

Panel ID
KD261P0

Panel field
DB2 Version 11

Default value
None

Batch parameter name
KD2_OMPE_DB2LOADLIB_V11

PARMGEN name
GBL_DSN_DB2_LOADLIB_V11

PARMGEN classification
DB2

GBL_DSN_DB2_LOADLIB_V12

Load library for DB2 Version 12

Description

The name of the dataset in which the DB2 load modules reside. Specify one DB2 load library for each DB2 subsystem version that you want to monitor.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the &O2CINAME member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
// DD DISP=SHR,DSN=<value>
```

Location 2
In the &O2CINAME member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
<value> +
```

Location 3
In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
```
<value> +
```

In the Configuration Tool (ICAT)

Panel name
DB2 Libraries

Panel ID
KD261P0

Panel field
DB2 Version 12

Default value
None

Batch parameter name
KD2_OMPE_DB2LOADLIB_V12

PARMGEN name
GBL_DSN_DB2_LOADLIB_V12

PARMGEN classification
DB2

GBL_DSN_DB2_RUNLIB_V11

Run library for DB2 Version 11

Description

The name of the dataset in which the DB2 RUNLIB load modules reside. Specify one DB2 run library for each DB2 subsystem version that you want to monitor.

This library should contain the modules DSNTIAD and DSNTIAUL to be used to run in batch. The run library is used to generate GRANT and BIND jobs that prepare the DB2 subsystems for monitoring. See Complete the configuration for details.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the &O2CINAME member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
<value> +
```

Location 2
In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
```
<value> +
```

In the Configuration Tool (ICAT)

Panel name
DB2 Libraries

Panel ID
KD261P0

Panel field
DB2 Version 11

Default value
None

Batch parameter name
KD2_OMPE_DB2RUNLIB_V11

PARMGEN name
GBL_DSN_DB2_RUNLIB_V11

PARMGEN classification
DB2

GBL_DSN_DB2_RUNLIB_V12

Run library for DB2 Version 12

Description

The name of the dataset in which the DB2 RUNLIB load modules reside. Specify one DB2 run library for each DB2 subsystem version that you want to monitor.

This library should contain the modules DSNTIAD and DSNTIAUL to be used to run in batch. The run library is used to generate GRANT and BIND jobs that prepare the DB2 subsystems for monitoring. See Complete the configuration for details.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the &O2CINAME member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
<value> +
```

Location 2
In the CRTDB2M member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line
```
<value> +
```

In the Configuration Tool (ICAT)

Panel name
DB2 Libraries

Panel ID
KD261P0

Panel field
DB2 Version 12

Default value
None

Batch parameter name
KD2_OMPE_DB2RUNLIB_V12

PARMGEN name
GBL_DSN_DB2_RUNLIB_V12

PARMGEN classification
DB2

Chapter 5. KD2 - OMEGAMON Collector

The KD2 parameters configure and control the OMEGAMON Collector.

KD2_CLASSIC - Classic UI

The KD2_CLASSIC parameters control the Classic UI behavior in your environment.

KD2_CLASSIC_DB2ID_DEFAULT

Default DB2 ID

Description

Specify the default DB2 subsystem ID for real-time VTAM mode connection. When you log on to Classic Interface, this is the default DB2 subsystem to be monitored.

With datasharing group support, a new value for the default DB2 ID was introduced NONE. If you specify NONE and log on to Classic Interface, you are routed to the ZRLOG panel that lists all DB2 subsystems with status information and allows you to select the DB2 subsystems that you want to monitor. NONE is used as the default value.

Required or optional
Required

Default value
NONE

Locations where the parameter value is stored

Location 1
In the KD2COLLP member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DEFAULT_DB2_SUBSYSTEM(<value>)`

Location 2
In the RVTMssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DB2=<value>, !X`

Location 3
In the &O2CINAME member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`EXEC RVTM<value>`

In the Configuration Tool (ICAT)

Panel name
Classic Interface Information

Panel ID
KD261PO

Panel field
Default DB2 ID for real-time VTAM mode

Default value
NONE

Batch parameter name
KD2_CLA_DB2ID_DFLT

PARMGEN name
KD2_CLASSIC_DB2ID_DEFAULT

PARMGEN classification
CLA

KD2_CLASSIC_DB2PM_PLANPKG_OWNER

OMEGAMON Collector plan/package owner

Description

The OMEGAMON Collector plan/package owner is the USERID/GROUPID that will be granted the authority to administrate the OMEGAMON Collector, for example to rebind the DB2 packages. This USERID/GROUPID is specified as the OWNER of the OMEGAMON Collector's plan and packages when the plan and the packages are bound.

Required or optional
Required

Default value
DB2PM

Locations where the parameter value is stored

Location 1
In the CRTDB2 member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
<value> +
```

Location 2
In the CRTDB2M member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line
```
<value> +
```

Location 3
In the CRTDB2M member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line
```
<value> +
```

Location 4
In the OMGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSINDEXES TO <value>;
```

Location 5
In the OMGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPACKSTMT TO <value>;
```

Location 6
In the OMGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSTABLES TO <value>;
```

Location 7
In the OMGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSSTMT TO <value>;
```

Location 8
In the OMGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPLAN TO <value>;
```

Location 9
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSUSERAUTH TO <value>;
```

Location 10
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT PACKADM ON COLLECTION KO2OM510 TO <value>;
```

Location 11
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSTABLE0SPACE TO <value>;
```

Location 12
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSSYNONYMS TO <value>;
```

Location 13
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT BINDADD TO <value>;
```

Location 14
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSDBRM TO <value>;
```

Location 15
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPACKAGE TO <value>;
```

Location 16
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSDATABASE TO <value>;
```

Location 17
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSSTRINGS TO <value>;
```

In the Configuration Tool (ICAT)

Panel name
Global Control Parameters

Panel ID
KD261PI

Panel field
OMEGAMON Collector plan/package owner

Default value
DB2PM

Batch parameter name
KD2_CLA_SEC_AUTH_CLAS

PARMGEN name
KD2_CLASSIC_DB2PM_PLANPKG_OWNER

PARMGEN classification
CLA

KD2_CLASSIC_LROWS

Number of logical rows

Description

LROWS specifies the number of logical rows that are available for the output area on the Classic Interface. The number of logical rows should always be set to a number greater than the number of rows to be displayed on the terminal. The default for LROWS is 255.

Increasing the number of logical rows results in higher storageconsumption.

Required or optional
Required

Default value
255

Minimum
99

Maximum
9999

Location where the parameter value is stored
In the RVTMssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`LROWS=<value>, !X`

In the Configuration Tool (ICAT)

Panel name
Classic Interface Information

Panel ID
KD261PO

Panel field
Number of logical rows (LROWS)

Default value
255

Minimum
99

Maximum
9999

Batch parameter name
KD2_CLA_LROWS

PARMGEN name
KD2_CLASSIC_LROWS

PARMGEN classification
CLA

KD2_CLASSIC_MVS_SYSID

z/OS system ID

Description

The name of the z/OS system that the DB2 subsystem runs on. The z/OS system name that you specify here is used to replace the %SY% variable in data set names. If you specify a data set name for a monitoring profile, for example the name of a Near-Term History VSAM log data set, you can use %SY% as a variable for the z/OS system name. If you enable 'Add JES2 JOBPARM SYSAFF to jobs' (KD2_OMPE_SYSAFF), the z/OS system name is used to generate the SYSAFF parameter in the jobcards of the BIND and GRANT jobs generated for the different DB2 subsystems.

Required or optional

Required

Default value

PARMGEN provided SMFID symbol

Locations where the parameter value is stored

Location 1

In the CRTDB2 member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
/*JOBPARM SYSAFF=<value>
```

Location 2

In the CRTDB2M member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line

```
/*JOBPARM SYSAFF=<value>
```

Location 3

In the DB2PROF member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line

```
DB2_SYSID=<value>
```

In the Configuration Tool (ICAT)

Panel name

Global Control Parameters

Panel ID

KD261PI

Panel field

z/OS system ID (SMFID)

Default value

SYSA

Batch parameter name

KD2_CLA_MVS_SYSID

PARMGEN name

KD2_CLASSIC_MVS_SYSID

PARMGEN classification

CLA

KD2_CLASSIC_PASSPHRASE

This parameter specifies the passphrase support setting for the OMEGAMON 3270 Classic interface.

Description

This parameter controls if passphrase support is enabled, and, if so, the layout of the password fields on the OMEGAMON 3270 Classic interface logon screen. Multiple configuration options are provided.

Note: It is recommended that you review the available configuration options, especially if you use programs to automate the logon process to the OMEGAMON 3270 Classic interface that rely on static placement of keywords and input fields.

When passphrase support is enabled, use parameter **KD2_CLASSIC_SECCLASS** to set the SAF security class that is used to permit or deny user access during logon to the OMEGAMON 3270 Classic interface, and use **KD2_CLASSIC_SAFAPPL** to set the SAF application ID. If passphrase support is not enabled, you can use a security exit where you can specify the SAF class name and SAF application ID.

Required or optional
Optional

Default value
NO

Valid values

PARTIAL
Passphrase support is enabled with the **PASSWORD** and **NEW PASSWORD** fields each consisting of a single line. The minimum length of each of these fields is 34 bytes, and the maximum length (which can be up to 100 bytes) depends on the screen width. The fields are aligned in the center of the screen.

MAX62
Passphrase support is enabled with the **PASSWORD** and **NEW PASSWORD** fields each consisting of a single line. The minimum length of each of these fields is 62 bytes, and the maximum length (which can be up to 100 bytes) depends on the screen width. The fields are aligned at the left of the screen.

FULL
Passphrase support is enabled with the **PASSWORD** and **NEW PASSWORD** fields each consisting of two lines. The value in the second line is concatenated onto the end of the value in the first line. The length of the first line is 34 bytes and the length of the second line is 66 bytes, allowing the maximum passphrase value of 100 bytes to be entered. The fields are aligned in the center of the screen.

NO or NONE
Passphrase support is not enabled. The lengths of the **PASSWORD** and **NEW PASSWORD** fields are eight bytes each. If you have external security defined using a security exit, the fields are aligned in the center of the screen. If you do not have external security defined, none of the fields for credentials appear on the logon screen.

Related parameters

- KD2_CLASSIC_SAFAPPL
- KD2_CLASSIC_SECCLASS

KD2_CLASSIC_SAFAPPL

This parameter specifies the name of the SAF application ID for OMEGAMON 3270 Classic interface security.

Description
When passphrase support is enabled, this parameter specifies the name of the SAF application ID (APPL=) for OMEGAMON 3270 Classic interface security. This value is used by the primary OMEGAMON logon program, KOBVTAM, when calling the SAF security system, such as in the following example:

```
RACROUTE ..,APPL=
```

Important: When passphrase support is enabled, security exits are not used.

Required or optional
Optional

Default value
CANDLE

Related parameters

- KD2_CLASSIC_PASSPHRASE
- KD2_CLASSIC_SECCLASS

KD2_CLASSIC_SECCLASS

This parameter specifies the name of the SAF security class for OMEGAMON 3270 Classic interface security.

Description

When passphrase support is enabled, this parameter specifies the name of the SAF security class that is used to permit or deny user access during logon to the OMEGAMON 3270 Classic interface. This value is used by the primary OMEGAMON logon program, KOBVTAM.

Note: When passphrase support is enabled, security exits are not used.

Required or optional
Optional

Default value
OMCANDLE

Related parameters

- KD2_CLASSIC_PASSPHRASE
- KD2_CLASSIC_SAFAPPL

KD2_CLASSIC_UMAX

Maximum number of users

Description

UMAX specifies the maximum number of concurrent sessions the collector can support. The default is 99.

Make sure that you specify enough sessions to support all menusystem and OMEGAVIEW sessions for multiple DB2 subsystems.

Required or optional
Required

Default value
99

Minimum
1

Maximum
99

Location where the parameter value is stored
In the RVTMssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
UMAX=<value>, !X

In the Configuration Tool (ICAT)

Panel name
Classic Interface Information

Panel ID
KD261PO

Panel field
Maximum number of users (UMAX)

Default value
99

Minimum
1

Maximum
99

Batch parameter name
KD2_CLA_UMAX

PARMGEN name
KD2_CLASSIC_UMAX

PARMGEN classification
CLA

KD2_CLASSIC_USER_PROFILE

Profile ID

Description

USER specifies the 2-character profile ID that is to be used for the Classic Interface session. A default profile with the profile ID #P is provided by IBM.

In the profile the configuration options for the ClassicInterface session are specified. You can create a customized profile. To create a new profile, log on to the Classic Interface, modify the selected profile options and save the adjusted profile specifying a 2-character profile ID. If the profile you specified for USER does not exist, the Classic Interface uses the default profile /C for the logon. So you can specify a profile ID for USER now and create the new profile at the first logon to Classic Interface.

Required or optional
Required

Default value
#P

Location where the parameter value is stored
In the RVTMssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`USER=<value>, !X`

In the Configuration Tool (ICAT)

Panel name
Classic Interface Information

Panel ID
KD261PO

Panel field
Profile ID (USER)

Default value
#P

Batch parameter name
KD2_CLA_USER

PARMGEN name
KD2_CLASSIC_USER_PROFILE

PARMGEN classification
CLA

KD2_CLASSIC_VTAM_APPL_LOGON

Classic VTAM logon applid

Description

This specifies a 1-to-8 character name, that will define OBVTAM as an application to VTAM.

Required or optional
Required

Default value
%RTE_VTAM_APPLID_PREFIX%D2C

Location where the parameter value is stored
In the &RTENAME member of the *rhilev.midlev.rtename*.RKANPARU library

Output line
`KD2_CLA_VTM_APPL_LOGON!<value>`

In the Configuration Tool (ICAT)

Panel name
Classic Interface Information

Panel ID
KD261PO

Panel field
Classic logon

Default value
None

Batch parameter name
KD2_CLA_VTM_APPL_LOGON

PARMGEN name
KD2_CLASSIC_VTAM_APPL_LOGON

PARMGEN classification
CLA

KD2_CLASSIC_VTAM_NODE

Classic VTAM major node

Description

This specifies the OBVTAM application major node name.

This name is used as the member name to create the OBVTAM VTAM definition in the RKD2SAM library. This member must be moved to SYS1.VTAMLST.

Required or optional
Required

Default value
%RTE_VTAM_APPLID_PREFIX%D2N2

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Classic Interface Information

Panel ID
KD261PO

Panel field
Major node

Default value
None

Batch parameter name
KD2_CLA_VTM_NODE

PARMGEN name
KD2_CLASSIC_VTAM_NODE

PARMGEN classification
CLA

KD2_DBnn_DB2 - Db2 subsystems

The KD2_DBnn_DB2 parameters provide information about your monitored Db2 subsystems.

KD2_DBnn_DB2_DESCRIPTION

DB2 subsystem description

Description

Specify a short description of the DB2 subsystem.

Required or optional
Optional

Default value
SS01 DB2 Subsystem

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel 1

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9

Panel field
Description

Panel 2

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9A

Panel field
Description

Default value
SS01 DB2 Subsystem

Batch parameter name
KD2_DB_DB2_DESC

PARMGEN name
KD2_DBnn_DB2_DESCRIPTION

PARMGEN classification
DB2

KD2_DBnn_DB2_DSNTIAD

Dynamic SQL module

Description

The dynamic SQL module that you want to use for generating the jobs that perform GRANT and BIND statements on the DB2 subsystem. This parameter is optional.

Required or optional
Optional

Default value
DSNTIAD

Location where the parameter value is stored
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
`DB2_DSNTIAD=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Subsystem Information

Panel ID
KD261PD

Panel field
DB2 DSNTIAD module

Default value
DSNTIAD

Batch parameter name
KD2_DB_DB2_DSNTIAD

PARMGEN name
KD2_DBnn_DB2_DSNTIAD

PARMGEN classification
DB2

KD2_DBnn_DB2_DS_GROUP

Monitor data sharing group

Description

Used to specify whether OMEGAMON XE for DB2 PE is to monitor the activity of the whole data sharing group or of the locally connected DB2 subsystem only. The monitor traces must be started on all data sharing group members to monitor their activity. This parameter is ignored, if the DB2 subsystem is not a data sharing member.

Required or optional
Optional (Required in case KD2_OMPE_PE_SUPPORT is set to Y)

Default value
Y

Permissible values
Y, N

Locations where the parameter value is stored

Location 1
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
`DSG=<value>`

Location 2
In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DATASHARINGGROUP=<value>`

In the Configuration Tool (ICAT)

Panel 1

Panel name
PE Client Port Information

Panel ID
KD261P5

Panel field
DSG group view (Y, N)

Panel 2

Panel name
Port Information

Panel ID
KD261P5B

Panel field
DSG group view (Y, N)

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_DB_DB2_DS_GROUP

PARMGEN name
KD2_DBnn_DB2_DS_GROUP

PARMGEN classification
DB2

KD2_DBnn_DB2_LOADLIB

DB2 load library

Description

The DB2 load library that you want to use for generating the jobs that perform GRANT and BIND statements on the DB2 subsystem. This parameter is optional.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DB2LOADLIB=<value>`

Location 2
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
DB2_LOADLIB=<value>

In the Configuration Tool (ICAT)

Panel name
DB2 Subsystem Information

Panel ID
KD261PD

Panel field
DB2 load library

Default value
None

Batch parameter name
KD2_DB_DB2_LOADLIB

PARMGEN name
KD2_DBnn_DB2_LOADLIB

PARMGEN classification
DB2

KD2_DBnn_DB2_MONITOR_START

Monitor at startup

Description

Specify whether you want to monitor the DB2 subsystem at startup of the OMEGAMON Collector or not.

Y
The DB2 subsystem is monitored when you start the OMEGAMON Collector.

N
The DB2 subsystem is not monitored when you start the OMEGAMON Collector, even if auto-detection of DB2 subsystems is activated. You can start monitoring the DB2 subsystem via an operator command later. See the Configuration and Customization Guide for details details on operator commands.

KD2_DBnn_DB2_MONITOR_START updates the xKD2PAR(OMPEMSTS) runtime member as file-tailored by the xKD2PRF(CRTDB2*) submitted job from PARMGEN $PARSE*-related "Create runtime members" jobs.

DB2SSID=(%KD2_DBnn_DB2_SSID%) * if MONITOR_STARTUP = "Y"

EXCLUDEDB2SSID=(%KD2_DBnn_DB2_SSID%) * if MONITOR_STARTUP = "N"

Required or optional
Required

Default value
Y

Permissible values
Y, N

Location where the parameter value is stored
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
MONITOR_STARTUP=<value>

In the Configuration Tool (ICAT)

Panel 1

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9

Panel field
Start (Y,N)

Panel 2

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9A

Panel field
Start (Y,N)

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_DB_DB2_MONITOR_START

PARMGEN name
KD2_DBnn_DB2_MONITOR_START

PARMGEN classification
DB2

KD2_DBnn_DB2_PORT_NUM

PE Server TCP/IP port

Description

Specify the TCP/IP port on which the OMEGAMON Collector listens to incoming requests from the Performance Expert Client for the respective DB2 subsystem.

The TCP/IP port must be unique for each DB2 subsystem.

Required or optional
Optional (Required in case KD2_OMPE_E2E_MON_SPRT,KD2_OMPE_PE_SUPPORT is set to Y)

Default value
2000

Minimum
1

Maximum
65535

Locations where the parameter value is stored

Location 1
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
`PECLIENT_PORT=<value>`

Location 2
In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
PORT=<value>

In the Configuration Tool (ICAT)

Panel 1

Panel name
PE Client Port Information

Panel ID
KD261P5

Panel field
Port

Panel 2

Panel name
Port Information

Panel ID
KD261P5A

Panel field
Port

Panel 3

Panel name
Port Information

Panel ID
KD261P5B

Panel field
Port

Default value
2000

Minimum
1

Maximum
65535

Batch parameter name
KD2_DB_DB2_PORT

PARMGEN name
KD2_DBnn_DB2_PORT_NUM

PARMGEN classification
DB2

KD2_DBnn_DB2_PROFID

Profile ID

Description

Specify the ID of the monitoring profile that should be associated with this DB2 subsystem.

Required or optional
Required

Default value
P001

Location where the parameter value is stored
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
PROFID=<value>

In the Configuration Tool (ICAT)

Panel 1

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9

Panel field
Profid

Panel 2

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9A

Panel field
Profid

Default value
P001

Batch parameter name
KD2_DB_DB2_PROFID

PARMGEN name
KD2_DBnn_DB2_PROFID

PARMGEN classification
DB2

KD2_DBnn_DB2_RUNLIB

DB2 run library

Description

The DB2 run library that you want to use for generating the jobs that perform GRANT and BIND statements on the DB2 subsystem. This parameter is optional.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the DB2PROF member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line
DB2_RUNLIB=<value>

In the Configuration Tool (ICAT)

Panel name
DB2 Subsystem Information

Panel ID
KD261PD

Panel field
DB2 run library

Default value
None

Batch parameter name
KD2_DB_DB2_RUNLIB

PARMGEN name
KD2_DBnn_DB2_RUNLIB

PARMGEN classification
DB2

KD2_DBnn_DB2_SSID

DB2 subsystem ID

Description

Specify the DB2 subsystem ID.

Required or optional
Required

Default value
SS01

Location where the parameter value is stored
In the RVTMssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`DB2=<value>, !X`

In the Configuration Tool (ICAT)

Panel 1

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9

Panel field
DB2ID

Panel 2

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9A

Panel field
DB2ID

Default value
SS01

Batch parameter name
KD2_DB_DB2_SSID

PARMGEN name
KD2_DBnn_DB2_SSID

PARMGEN classification
DB2

KD2_DBnn_DB2_SYSNAME

z/OS system name

Description

The name of the z/OS system that the DB2 subsystem runs on. The z/OS system name that you specify here is used to replace the %SY% variable in data set names. If you specify a data set name for a monitoring profile, for example the name of a Near-Term History VSAM log data set, you can use %SY% as a variable for the z/OS system name.

If you enable 'Add JES2 JOBPARM SYSAFF to jobs' (KD2_OMPE_SYSAFF), the z/OS system name is used to generate the SYSAFF parameter in the jobcards of the BIND and GRANT jobs generated for the different DB2 subsystems.

Required or optional
Optional (Required in case KD2_OMPE_CHECKSYS is set to Y)

Default value
None

Location where the parameter value is stored
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
`DB2_SYSID=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9

Panel field
z/OS System ID

Default value
None

Batch parameter name
KD2_DB_DB2_SYSNAME

PARMGEN name
KD2_DBnn_DB2_SYSNAME

PARMGEN classification
DB2

KD2_DBnn_DB2_VER

DB2 version

Description

Specify the version of the DB2 subsystem.

Valid values are 10 for DB2 Version 10 or 11 for DB2 Version 11.

Required or optional
Required

Default value
None

Permissible values
10, 11

Location where the parameter value is stored
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
DB2_VERSION=<value>

In the Configuration Tool (ICAT)

Panel 1

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9

Panel field
DB2 Version

Panel 2

Panel name
DB2 Subsystem Monitoring Configuration

Panel ID
KD261P9A

Panel field
DB2 Version

Default value
None

Permissible values
10, 11

Batch parameter name
KD2_DB_DB2_VER

PARMGEN name
KD2_DBnn_DB2_VER

PARMGEN classification
DB2

KD2_DBnn_PWH - Performance Warehouse

The KD2_DBnn_PWH parameters control the Performance Warehouse behavior in your environment.

During the customization you must determine the affected Db2 subsystems and Performance Warehouse options to be used by SQL PA.

The Performance Warehouse (PWH) provides an infrastructure at the OMEGAMON Server and at the workstation to automate performance analysis tasks. It introduces the concept of processes which represent single or recurring tasks such as loading DB2 data into the Performance Warehouse or generating reports. The definition of processes and analysis tasks can be performed at the workstation using the Performance Warehouse user interface (launched from the Performance Expert client).

The Performance Warehouse consists of Db2 tables to save the accounting and statistics performance counters which are the most relevant counters for analyzing performance problems. The tables are nearly identical to the tables in the Performance Database. It also consists of Db2 tables used by internal services. The Performance Warehouse provides a server component that automatically creates and maintains the Db2 tables.

When an SQL performance analysis is requested, the OMEGAMON Collector silently submits a batch job that captures the analysis data and puts it into appropriate Performance Warehouse tables, from where it is retrieved and reassembled and presented as an SQL PA report.

KD2_DBnn_PWH_D2PWACCG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPAC

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
ACCS 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
ACCS Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWACCG

PARMGEN name
KD2_DBnn_PWH_D2PWACCG

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWACCP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP0

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
ACCS 1 <value> name of buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
ACCS Buffer Pool

Default value
BP0

Batch parameter name
KD2_DB_PWH_D2PWACCP

PARMGEN name
KD2_DBnn_PWH_D2PWACCP

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWASNM

PE Server PWH job name

Description

Used to specify the name of the JCL that is used to submit jobs through Performance Warehouse. Specified value is the jobname.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
%RTE_STC_PREFIX%PWH

Locations where the parameter value is stored

Location 1
In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
PERFORMANCEWAREHOUSEADDRESSSPACENAME=<value>
```

Location 2
In the DB2PROF member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
```
PWH_STC=<value>
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261P1

Panel field
PWH job name

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWASNM

PARMGEN name
KD2_DBnn_PWH_D2PWASNM

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWBUFP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP0

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
PROCESS 1 <value> name of buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
PROCESS Buffer Pool

Default value
BP0

Batch parameter name
KD2_DB_PWH_D2PWBUFP

PARMGEN name
KD2_DBnn_PWH_D2PWBUFP

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWCBUF

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP0

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
CONTROL 1 <value> name of buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
CONTROL Buffer Pool

Default value
BP0

Batch parameter name
KD2_DB_PWH_D2PWCBUF

PARMGEN name
KD2_DBnn_PWH_D2PWCBUF

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWCSTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPCO

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
CONTROL 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
CONTROL Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWCSTG

PARMGEN name
KD2_DBnn_PWH_D2PWCSTG

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWIXBP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP0

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
INDEXES 1 <value> name of buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
Buffer Pool

Default value
BP0

Batch parameter name
KD2_DB_PWH_D2PWIXBP

PARMGEN name
KD2_DBnn_PWH_D2PWIXBP

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWOBUF

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP0

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
OUTPUT 1 <value> name of buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
OUTPUT Buffer Pool

Default value
BP0

Batch parameter name
KD2_DB_PWH_D2PWOBUF

PARMGEN name
KD2_DBnn_PWH_D2PWOBUF

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWOLBP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP32K

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
ONLINE 1 <value> name of buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
ONLINE Buffer Pool

Default value
BP32K

Batch parameter name
KD2_DB_PWH_D2PWOLBP

PARMGEN name
KD2_DBnn_PWH_D2PWOLBP

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWOLTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPON

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
ONLINE 2 <value> specify storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
ONLINE Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWOLTG

PARMGEN name
KD2_DBnn_PWH_D2PWOLTG

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWOSTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPOU

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
OUTPUT 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
OUTPUT Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWOSTG

PARMGEN name
KD2_DBnn_PWH_D2PWOSTG

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWPSTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPPR

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
PROCESS 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
PROCESS Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWPSTG

PARMGEN name
KD2_DBnn_PWH_D2PWPSTG

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWPWHA

Enable Performance Warehouse

Description

Used to specify if the Performance Warehouse is activated.

Required or optional
Required

Default value
N

Permissible values
Y, N

Locations where the parameter value is stored

Location 1
In the DB2PROF member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line
```
PWH_ACTIVE=<value>
```

Location 2
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
PERFORMANCEWAREHOUSE=<value>
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261P1

Panel field
PWH Enabled

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_DB_PWH_D2PWPWHA

PARMGEN name
KD2_DBnn_PWH_D2PWPWHA

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWQRYP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP32K

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
QRY 1 <value> name of 32K buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
QUERY Buffer Pool

Default value
BP32K

Batch parameter name
KD2_DB_PWH_D2PWQRYP

PARMGEN name
KD2_DBnn_PWH_D2PWQRYP

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWQRYS

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPQR

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
QRY 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
QUERY Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWQRYS

PARMGEN name
KD2_DBnn_PWH_D2PWQRYS

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWROTG

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP0

Locations where the parameter value is stored

Location 1
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
ROT 1 <value> name of buffer pool
```

Location 2
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF BUFFERPOOL <value> TO DB2PM;
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
ROT Buffer Pool

Default value
BP0

Batch parameter name
KD2_DB_PWH_D2PWROTG

PARMGEN name
KD2_DBnn_PWH_D2PWROTG

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWROTS

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPRO

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
ROT 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
ROT Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWROTS

PARMGEN name
KD2_DBnn_PWH_D2PWROTS

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWSTBP

PE Server PWH DB2 buffer pool

Description

Specify a valid Buffer Pool name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
BP32K

Location where the parameter value is stored
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`STAT 1 <value> name of buffer pool`

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
STAT Buffer Pool

Default value
BP32K

Batch parameter name
KD2_DB_PWH_D2PWSTBP

PARMGEN name
KD2_DBnn_PWH_D2PWSTBP

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWSTGG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPPW

Locations where the parameter value is stored

Location 1
In the PWG1ssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT USE OF STOGROUP <value> TO DB2PM;
```

Location 2
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
INDEXES 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWSTGG

PARMGEN name
KD2_DBnn_PWH_D2PWSTGG

PARMGEN classification
PWH

KD2_DBnn_PWH_D2PWSTTG

PE Server PWH storage group

Description

Specify a valid Storage Group name for the PWH database.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
STOGRPST

Location where the parameter value is stored
In the PWHRssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
STAT 2 <value> storage group to use
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
STAT Storage Group

Default value
None

Batch parameter name
KD2_DB_PWH_D2PWSTTG

PARMGEN name
KD2_DBnn_PWH_D2PWSTTG

PARMGEN classification
PWH

KD2_DBnn_PWH_EXITLIB

DB2 exit library

Description

The name of the dataset in which the DB2 exit load modules reside that should be used by the Performance Warehouse job.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
%GBL_DSN_DB2_DSNEXIT%

Location where the parameter value is stored
In the &D2PWASNM member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
//JOBLIB DD DISP=SHR,DSN=<value>
```

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
DB2 exit library

Default value
None

Batch parameter name
KD2_DB_PWH_EXITLIB

PARMGEN name
KD2_DBnn_PWH_EXITLIB

PARMGEN classification
PWH

KD2_DBnn_PWH_LOADLIB

DB2 load library

Description

The name of the dataset in which the DB2 load modules reside that should be used by the Performance Warehouse job.

Required or optional
Optional (Required in case KD2_DB_PWH_D2PWPWHA is set to Y)

Default value
%GBL_DSN_DB2_SDSNLOAD%

Location where the parameter value is stored
In the &D2PWASNM member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`// DD DISP=SHR,DSN=<value>`

In the Configuration Tool (ICAT)

Panel name
Performance Warehouse Configuration

Panel ID
KD261PW

Panel field
DB2 load library

Default value
None

Batch parameter name
KD2_DB_PWH_LOADLIB

PARMGEN name
KD2_DBnn_PWH_LOADLIB

PARMGEN classification
PWH

KD2_OMPE - Base product

The KD2_OMPE parameters specify general settings for your environment.

KD2_OMPE_AUTH_FAIL

Authorization failure

Description

Used to specify whether authorization fail events data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`EVENTAUTHFAIL=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Authorization failure

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_AUTH_FAIL

PARMGEN name
KD2_OMPE_AUTH_FAIL

PARMGEN classification
OMPE

KD2_OMPE_AUTODETECT

Enable autom. DB2 subsystem detection

Description

This feature is part of the OMEGAMON Collector PESERVER subtask. If activated, all active DB2 subsystems in the LPAR are detected automatically, regardless of whether the DB2 subsystem has been explicitly configured during the configuration process or not. You can activate or deactivate this feature:

Y
Automatic detection is activated. Detection of all active DB2 subsystems starts automatically.

N
Automatic detection is deactivated. Only the DB2 subsystems that are explicitly configured are monitored.

If a DB2 subsystem has been detected automatically but has not been configured so far, monitoring is not possible because required bind and grant jobs have not been submitted. Error messages are written to the job log. To enable monitoring the subsystem must be configured as usually with PARMGEN to create the required jobs. The configuration steps of Complete the Configuration must be executed.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
AUTODETECT=<value>

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Automatic DB2 subsystem monitoring

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_AUTODETECT

PARMGEN name
KD2_OMPE_AUTODETECT

PARMGEN classification
OMPE

KD2_OMPE_CCPC_TIMER

TEMA connection timeout interval

Description

This timeout interval is used to control the amount of time that a TEMA connect or TEMA collect call remains pending while collecting the data from a target DB2 subsystem is not completed. The TEMA is notified when the call exceeds the specified timeout interval. Specify a value in the range of 0010-0300. 0010 represents ten seconds and 0300 represents three minutes.

Required or optional
Required

Default value
0030

Minimum
0010

Maximum
0300

Locations where the parameter value is stored

Location 1
In the OMPECCPC member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`START COMMCOLL,PARM=(TRACE=YES,STIMER=00<value>.00,SLX=REUSE)`

Location 2
In the OMPECCPC member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`START COMMCOLL,PARM=(TRACE=NO,STIMER=00<value>.00,SLX=REUSE)`

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
TEMA connection timeout interval

Default value
0030

Minimum
0010

Maximum
0300

Batch parameter name
KD2_OMPE_CCPC_TIMER

PARMGEN name
KD2_OMPE_CCPC_TIMER

PARMGEN classification
OMPE

KD2_OMPE_CCPC_TRACE

TEMA connection trace

Description

Enables tracing of the status of OMEGAMON XE for DB2 Agent (TEMA) connect, collect, and disconnect calls. Specify one of the following values:

Y
Trace messages are written to the joblog of the OMEAGMON Collector.

N
No trace messages on the TEMA connection status are written to the OMEGAMON Collector joblog.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
TEMA connection trace

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_CCPC_TRACE

PARMGEN name
KD2_OMPE_CCPC_TRACE

PARMGEN classification
OMPE

KD2_OMPE_CF_REBUILT

CF rebuilt

Description

Used to specify whether coupling facility rebuild data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`EVENTCFREBUILD=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
CF rebuilt

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_CF_REBUILT

PARMGEN name
KD2_OMPE_CF_REBUILT

PARMGEN classification
OMPE

KD2_OMPE_CHECKSYS

Use this RTE as a model

Description

Specify whether you want to use this RTE as a model for several LPARs:

Y
You can specify DB2 subsystems in this RTE that run on different LPARs. Specify the respective z/OS system ID (SMFID) for each DB2 subsystem. When you later submit the 'Create DB2 runtime members' job, this configuration job checks on which LPAR it is executed and only generates the runtime members for the configured DB2 subsystems that run on this LPAR.

N
You configure only DB2 subsystems in this RTE that run on one LPAR. You don't have to specify a z/OS system ID (SMFID) for each DB2 subsystem.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the CRTDB2M member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
`<value> +`

In the Configuration Tool (ICAT)

Panel name
Global Control Parameters

Panel ID
KD261PI

Panel field
Use this RTE as a model

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_CHECKSYS

PARMGEN name
KD2_OMPE_CHECKSYS

PARMGEN classification
OMPE

KD2_OMPE_CPU_PARALLEL

Enable CPU Parallelism

Description

Used to enable or disable the collection of query CPU parallelism data. Specify one of the following values:

Y
Query CP parallelism data is to be collected.

N
Query CP parallelism data is not to be collected.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`COLLECTCPUPARALLEL=<value>`

In the Configuration Tool (ICAT)

Panel name
CPU Parallelism

Panel ID
KD261PF

Panel field
Enable CPU Parallelism data collection

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_CPU_PARALLEL

PARMGEN name
KD2_OMPE_CPU_PARALLEL

PARMGEN classification
OMPE

KD2_OMPE_DB2_EVENT

Enable Event Exception Processing

Description

Used to specify whether DB2 event data is to be collected. Specify one of the following values:

Y
DB2 event data is collected.

N
DB2 event data is not collected.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`EVENTOBSERVATION=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Enable DB2 event exception processing

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_DB2_EVENT

PARMGEN name
KD2_OMPE_DB2_EVENT

PARMGEN classification
DB2

KD2_OMPE_DB2_EXIT

Use DB2 authorization exit

Description

This specifies whether the DB2 authorization exit is called.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
USEDB2AUTHEXIT=<value>

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Use DB2 authorization exit

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_DB2_EXIT

PARMGEN name
KD2_OMPE_DB2_EXIT

PARMGEN classification
DB2

KD2_OMPE_DB2_USER

Enable OMEGAMON Collector user exit

Description

Used to specify whether the user exit routine DGOVUUAE provided by OMEGAMON XE for DB2 PE shall be used. Specify one of the following values:

Y
The user-modifiable exit routine DGOVUUAE is called.

N
The user-modifiable exit is not called.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
USEUSERAUTHEXIT=<value>

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Enable OMEGAMON Collector user exit

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_DB2_USER

PARMGEN name
KD2_OMPE_DB2_USER

PARMGEN classification
DB2

KD2_OMPE_DEADLOCK

Deadlock

Description

Used to specify whether deadlock events data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`EVENTDEADLOCK=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Deadlock

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_DEADLOCK

PARMGEN name
KD2_OMPE_DEADLOCK

PARMGEN classification
OMPE

KD2_OMPE_DSHLQ

HLQ for OM Collector datasets

Description

This parameter specifies the high-level qualifier for the data sets that are allocated by the OMEGAMON Collector.

The default value is generated from the high-level qualifier and the mid-level qualifier that you specified for your RTE.

Required or optional
Required

Default value
%RTE_HILEV%.%RTE_NAME%

Locations where the parameter value is stored

Location 1
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
VDATASERVERHLQ=<value>V
```

Location 2
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
DATASERVERHLQ=<value>
```

Location 3
In the OMDDssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
DEFINE CLUSTER(NAME(<value>V..%DB%.HISTORY) -
```

Location 4
In the OMDDssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
DELETE (<value>V..%DB%.HISTORY) CLUSTER
```

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
High-level Qualifier

Default value
None

Batch parameter name
KD2_OMPE_DSHLQ

PARMGEN name
KD2_OMPE_DSHLQ

PARMGEN classification
OMPE

KD2_OMPE_DSN_EXTENT

Data set extent

Description

Used to specify whether data set extension events data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`EVENTDSEXTENT=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Data set extent

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_DSN_EXTENT

PARMGEN name
KD2_OMPE_DSN_EXTENT

PARMGEN classification
OMPE

KD2_OMPE_DSP_SIZE

Data Space size

Description

Used to specify the size of the CCP data space. The value is the data space size in megabytes. This data space is needed when query CP parallelism is active. The default is 20.

Required or optional
Optional (Required in case KD2_OMPE_CPU_PARALLEL is set to Y)

Default value
20

Minimum
5

Maximum
50

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
CCPDATASPACESIZE=<value>

In the Configuration Tool (ICAT)

Panel name
CPU Parallelism

Panel ID
KD261PF

Panel field
Data space size

Default value
20

Minimum
5

Maximum
50

Batch parameter name
KD2_OMPE_DSP_SIZE

PARMGEN name
KD2_OMPE_DSP_SIZE

PARMGEN classification
OMPE

KD2_OMPE_EDMP_FULL

EDM pool full

Description

Used to specify whether EDM events data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
EVENTEDMPOOL=<value>

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
EDM pool full

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_EDMP_FULL

PARMGEN name
KD2_OMPE_EDMP_FULL

PARMGEN classification
OMPE

KD2_OMPE_EXTENT_THOLD

Data set extent threshold

Description

Used to specify the number of extensions that must be exceeded before an extent threshold exception is reported.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
200

Minimum
1

Maximum
200

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`EVENTDSEXTENTQUAL=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Data set extent threshold

Default value
200

Minimum
1

Maximum
200

Batch parameter name
KD2_OMPE_EXTENT_THOLD

PARMGEN name
KD2_OMPE_EXTENT_THOLD

PARMGEN classification
OMPE

KD2_OMPE_GLOBAL_TRACE

Global trace started

Description

Used to specify whether all entered DB2 commands collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`EVENTGLBLTRACE=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Global trace started

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_GLOBAL_TRACE

PARMGEN name
KD2_OMPE_GLOBAL_TRACE

PARMGEN classification
OMPE

KD2_OMPE_GRANT_AGUSER

User ID/group ID for PWGA grant job

Description

Set the user for the RACF userid/groupid in PWGAssid grant job in xKD2SAM DB2 job.

Required or optional
Required

Default value
%aguser%

Location where the parameter value is stored
In the PWGAssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`<value>;`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_OMPE_GRANT_AGUSER

PARMGEN name
KD2_OMPE_GRANT_AGUSER

PARMGEN classification
OMPE

KD2_OMPE_GRANT_EXUSER

User ID/group ID for EXGP grant job

Description

Set the user for the RACF userid/groupid in EXGPssid grant job in xKD2SAM DB2 job.

Required or optional
Required

Default value
%exuser%

Location where the parameter value is stored
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
<value>;
```

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_OMPE_GRANT_EXUSER

PARMGEN name
KD2_OMPE_GRANT_EXUSER

PARMGEN classification
OMPE

KD2_OMPE_GRANT_PEUSER

User ID/group ID for OMGP grant job

Description

Set the user for the RACF userid/groupid in OMGPssid grant job in xKD2SAM DB2 job.

Required or optional
Required

Default value
%peuser%

Location where the parameter value is stored
In the OMGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
<value>;
```

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_OMPE_GRANT_PEUSER

PARMGEN name
KD2_OMPE_GRANT_PEUSER

PARMGEN classification
OMPE

KD2_OMPE_GRANT_PWUSER

User ID/group ID for PWG2 grant job

Description

Set the user for the RACF userid/groupid in PWG2ssid grant job in xKD2SAM DB2 job.

Required or optional
Required

Default value
%pwuser%

Location where the parameter value is stored
In the PWG2ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
<value>;
```

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_OMPE_GRANT_PWUSER

PARMGEN name
KD2_OMPE_GRANT_PWUSER

PARMGEN classification
OMPE

KD2_OMPE_ISPF_LANGUAGE

ISPF language information

Description

Used to specify the ISPF language. The default is ENU.

Required or optional
Required

Default value
ENU

Permissible values
ENU

Location where the parameter value is stored
In the FPEJINIT member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
language = "<value>";
```

In the Configuration Tool (ICAT)

Panel name
ISPF Monitoring Dialogs

Panel ID
KD261PH

Panel field
ISPF language

Default value
ENU

Permissible values
ENU

Batch parameter name
KD2_OMPE_ISPF_LANG

PARMGEN name
KD2_OMPE_ISPF_LANGUAGE

PARMGEN classification
OMPE

KD2_OMPE_LOGSPACE

Logspace shortage

Description

Used to specify whether log space shortage events data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`EVENTLOGSPACE=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Logspace shortage

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_LOGSPACE

PARMGEN name
KD2_OMPE_LOGSPACE

PARMGEN classification
OMPE

KD2_OMPE_MAX_SESSIONS

Maximum number of sessions

Description

Used to define the limit of simultaneous PE Client sessions. The specified value is an integer in the range from 0 to 500.

Required or optional
Optional (Required in case KD2_OMPE_PE_SUPPORT is set to Y)

Default value
99

Minimum
10

Maximum
500

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`MAXSESSION=<value>`

In the Configuration Tool (ICAT)

Panel name
Workstation Interface Support

Panel ID
KD261PC

Panel field
Maximum number of sessions

Default value
99

Minimum
10

Maximum
500

Batch parameter name
KD2_OMPE_MAX_SESSIONS

PARMGEN name
KD2_OMPE_MAX_SESSIONS

PARMGEN classification
OMPE

KD2_OMPE_MGMTCLAS

Management Class for non-VSAM

Description

Used to specify a management class used for the allocation of all non-VSAM data sets created by the OMEGAMON Collector.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`VDATASERVERMGMTCLAS='<value>V'`

Location 2
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
DATASERVERMGMTCLAS='<value>'

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Mgmtclas

Default value
&RTESMGT

Batch parameter name
KD2_OMPE_MGMTCLAS

PARMGEN name
KD2_OMPE_MGMTCLAS

PARMGEN classification
OMPE

KD2_OMPE_PE_SUPPORT

Enable PE Client support

Description

Used to specify whether the Performance Expert Client support is to be configured. Specify one of the following values:

Y
The Performance Expert Client support is enabled

N
The Performance Expert Client support is disabled.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
TCPIP=<value>

In the Configuration Tool (ICAT)

Panel name
Workstation Interface Support

Panel ID
KD261PC

Panel field
Enable Performance Expert Client support

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_PE_SUPPORT

PARMGEN name
KD2_OMPE_PE_SUPPORT

PARMGEN classification
OMPE

KD2_OMPE_RUNALLOC

Automatic submit of allocation job

Description

Specify whether the 'Create DB2 related runtime members' job should trigger that the 'Allocate runtime datasets' job is submitted. The data set allocation job takes care of allocating all operational data sets required for the enabled functions, for example to collect data for Near-Term History. This job does not overwrite existing operational data sets.

Required or optional
Required

Default value
Y

Permissible values
Y, N

Locations where the parameter value is stored

Location 1
In the CRTDB2 member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
<value> +
```

Location 2
In the CRTDB2M member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line

```
<value> +
```

In the Configuration Tool (ICAT)

Panel name
Global Control Parameters

Panel ID
KD261PI

Panel field
Automatic submit of runtime dataset allocation job

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_RUNALLOC

PARMGEN name
KD2_OMPE_RUNALLOC

PARMGEN classification
OMPE

KD2_OMPE_SHARED_PROFILE_LIB

HLQ for the shared profile library

Description

Specify the high-level qualifier of the RTE that you decided to use as the model for this RTE consisting of the High-level qualifier and the name of the model RTE This parameter is only used if you set 'Use model definitions in this RTE' to Y. In this case all runtime members needed for this RTE are created on the basis of the profile library RKD2PRF library of the model RTE. For this RKD2PRF library you specify the high-level qualifier here.

Required or optional
Optional (Required in case KD2_OMPE_USE_MODEL is set to Y)

Default value
None

Location where the parameter value is stored
In the CRTDB2 member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
<value> +
```

In the Configuration Tool (ICAT)

Panel name
Global Control Parameters

Panel ID
KD261PI

Panel field
HLQ of the shared profile library

Default value
None

Batch parameter name
KD2_OMPE_SHRD_PRFLIB

PARMGEN name
KD2_OMPE_SHARED_PROFILE_LIB

PARMGEN classification
OMPE

KD2_OMPE_STOCLAS

Storage Class for non-VSAM

Description

Used to specify a storage class used for the allocation of all non-VSAM data sets created by the OMEGAMON Collector.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Locations where the parameter value is stored

Location 1
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
VDATASERVERSTORCLAS='<value>V'
```

Location 2
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DATASERVERSTORCLAS='<value>'`

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Storclas

Default value
&RTESTOR

Batch parameter name
KD2_OMPE_STOCLAS

PARMGEN name
KD2_OMPE_STOCLAS

PARMGEN classification
OMPE

KD2_OMPE_SUB_D2PADASP

OMPE/XCF Data Space Size DSPSIZE

Description

Defines the size in megabytes of the OMPE/XCF member data space. The data space is used by the OMPE/XCF component to hold the response data received from other members of the same LPAR or remote LPAR. Specify a size in multiples of 128M for up to a maximum of 2048M.

Required or optional
Required

Default value
128

Minimum
128

Maximum
2048

Location where the parameter value is stored
In the OMPE00 member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DSPSIZE=<value>.M`

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Subsystem Information

Panel ID
KD261PA

Panel field
OMPE/XCF Data Space Size

Default value
128

Minimum
128

Maximum
2048

Batch parameter name
KD2_OMPE_SUB_D2PADASP

PARMGEN name
KD2_OMPE_SUB_D2PADASP

PARMGEN classification
DB2

KD2_OMPE_SUB_D2PAGRPN

OMPE/XCF Group name XCFGROUP

Description

Defines the default cross-coupling facility XCF group name. This group name is used by the OMPE subsystem to initialize the OMPE/XCF environment used by the OMPE Collector subsystem. You can specify any name in the range of 1 to 8 characters. The specified name must conform to XCF group naming standards.

When the XCF group name has a prefix of OMPE it is internally change to O5PE. To prevent the rename, specify a different 4 to 5-character prefix. For example: OMEGAXCF for all OMPE Collectors that communicate via the XCF gateway with one another.

Required or optional
Required

Default value
OMPEXCF

Location where the parameter value is stored
In the OMPE00 member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`XCFGROUP=<value>`

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Subsystem Information

Panel ID
KD261PA

Panel field
OMPE/XCF Group name

Default value
OMPEXCF

Batch parameter name
KD2_OMPE_SUB_D2PAGRPN

PARMGEN name
KD2_OMPE_SUB_D2PAGRPN

PARMGEN classification
DB2

KD2_OMPE_SUB_D2PARCVT

OMPE/XCF Receive Tasks XCFTASKS

Description

Defines the number of XCF receive tasks that are to be attached as subtasks of the OMPE/XCF component task. These tasks are used by the OMPE/XCF component to process data receive requests from other members of the specified OMPE/XCF group. You can specify a number in the range of 02 to 16.

Required or optional
Required

Default value
6

Minimum
2

Maximum
16

Location where the parameter value is stored
In the OMPE00 member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
XCFTASKS=<value>

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Subsystem Information

Panel ID
KD261PA

Panel field
OMPE/XCF Data Space Size

Default value
6

Minimum
2

Maximum
16

Batch parameter name
KD2_OMPE_SUB_D2PARCVT

PARMGEN name
KD2_OMPE_SUB_D2PARCVT

PARMGEN classification
DB2

KD2_OMPE_SUB_D2PASSIT

SSI timer value SSITIMER

Description

Defines the subsystem interface SSI loop detection timer in seconds. You can specify a timer in the range of 1 to 99 seconds. This timer value is used by the OMPE subsystem timer services component to measure the elapsed time an SSI function routine EOT, EOM, CMD, WTO executes. When the specified timer value is exceeded, the SSI broadcast function is abnormally terminated.

Required or optional
Required

Default value
30

Minimum
1

Maximum
99

Location where the parameter value is stored
In the OMPE00 member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`SSITIMER=<value>`

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Subsystem Information

Panel ID
KD261PA

Panel field
SSI timer value

Default value
30

Minimum
1

Maximum
99

Batch parameter name
KD2_OMPE_SUB_D2PASSIT

PARMGEN name
KD2_OMPE_SUB_D2PASSIT

PARMGEN classification
DB2

KD2_OMPE_SUB_D2PATSEC

OMPE TCMD Security Option

Description

Defines whether DB2 CANCEL THREAD command issued under user or task authority. If TCMDSECU=STC the CANCEL THREAD command will use the OMEGAMON started task authorization to issue the CANCEL command.

If TCMDSECU=USER the signed on user's authorization will be used.

Note: If the Classic security exit is not in use then the OMEGAMON started task authorization will always be used.

Required or optional
Required

Default value
STC

Permissible values
STC, USER

Location where the parameter value is stored
In the OMPEOPTS member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
TCMDSECU=<value>

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Subsystem Information

Panel ID
KD261PA

Panel field
OMPE TCMD Security Option

Default value
STC

Permissible values
STC, USER

Batch parameter name
KD2_OMPE_SUB_D2PATSEC

PARMGEN name
KD2_OMPE_SUB_D2PATSEC

PARMGEN classification
DB2

KD2_OMPE_SUB_D2PAXCFT

OMPE/XCF Timer Value XCFTIMER

Description

Defines the OMPE/XCF component SEND service request execution timer in seconds. You can specify a timer in the range of 01 to 99 seconds. This timer value is used by the OMPE/XCF component to measure the elapsed time a SEND service request executes. When the specified timer value is exceeded, the SEND service request is abnormally terminated.

Required or optional
Required

Default value
30

Minimum
1

Maximum
99

Location where the parameter value is stored
In the OMPE00 member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
XCFTIMER=<value>

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Subsystem Information

Panel ID
KD261PA

Panel field
OMPE/XCF Timer value

Default value
30

Minimum
1

Maximum
99

Batch parameter name
KD2_OMPE_SUB_D2PAXCFT

PARMGEN name
KD2_OMPE_SUB_D2PAXCFT

PARMGEN classification
DB2

KD2_OMPE_SYSAFF

Add JES2 JOBPARM SYSAFF to job

Description

Specify whether you want to have the JES2 JOBPARM SYSAFF added to the generated DB2 related jobs. These jobs perform BIND or GRANT SQL statements on a specific DB2 subsystem and therefore have to be executed on the z/OS system where the respective DB2 subsystem runs on. This can be useful, for example if you want to install OMEGAMON XE for DB2 PE on several LPARs with shared DASD. See the Configuration and Customization Guide for details on different rollout scenarios. Furthermore if you set 'Use as model RTE for several LPARs' to 'Y' then the SYSAFF JOBPARM is also added to the 'Create DB2 related runtime members DB2 related' job.

Required or optional
Required

Default value
N

Permissible values
Y, N

Locations where the parameter value is stored

Location 1
In the CRTDB2 member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
<value> +
```

Location 2
In the CRTDB2M member of the *rhilev*.*midlev*.*rtename*.RKD2PRF library

Output line
```
<value> +
```

In the Configuration Tool (ICAT)

Panel name
Global Control Parameters

Panel ID
KD261PI

Panel field
Add JES2 JOBPARM sysaff to jobs

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_SYSAFF

PARMGEN name
KD2_OMPE_SYSAFF

PARMGEN classification
OMPE

KD2_OMPE_TCPIP_ADDRESS

IP address

Description

Used to specify the IP address for OMEGAMON XE for DB2 PE to accept incoming requests. An IP host can have several IP addresses. In IP terms, such a host is called a multi homed host. To accept incoming requests on all available network interfaces, you must set this value to zeros 0.0.0.0.

Required or optional
Optional (Required in case KD2_OMPE_E2E_MON_SPRT,KD2_OMPE_PE_SUPPORT is set to Y)

Default value
0.0.0.0

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`IPADDRESS=<value>`

In the Configuration Tool (ICAT)

Panel name
Workstation Interface Support

Panel ID
KD261PC

Panel field
IP address

Default value
0.0.0.0

Batch parameter name
KD2_OMPE_TCPIP_ADDRESS

PARMGEN name
KD2_OMPE_TCPIP_ADDRESS

PARMGEN classification
TCP

KD2_OMPE_TCPIP_NAME

TCP/IP name

Description

Used to specify the name of the TCP/IP address space you want to connect to. The specified value must be one to eight characters.

Required or optional
Optional (Required in case KD2_OMPE_E2E_MON_SPRT,KD2_OMPE_PE_SUPPORT is set to Y)

Default value
TCPIP

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
TCPNAME=<value>

In the Configuration Tool (ICAT)

Panel name
Workstation Interface Support

Panel ID
KD261PC

Panel field
TCP/IP name

Default value
TCPIP

Batch parameter name
KD2_OMPE_TCPIP_NAME

PARMGEN name
KD2_OMPE_TCPIP_NAME

PARMGEN classification
TCP

KD2_OMPE_THREAD_COMMIT

Thread commit indoubt

Description

Used to specify whether Thread commit indoubt events data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
EVENTDDF=<value>

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Thread commit indoubt

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_THREAD_COMMIT

PARMGEN name
KD2_OMPE_THREAD_COMMIT

PARMGEN classification
OMPE

KD2_OMPE_TIMEOUT

Timeout

Description

Used to specify whether timeout events data collection is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`EVENTTIMEOUT=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Timeout

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_TIMEOUT

PARMGEN name
KD2_OMPE_TIMEOUT

PARMGEN classification
OMPE

KD2_OMPE_TRACE_LEVEL

OMEGAMON Collector trace level

Description

Used to specify trace level for the OMEGAMON XE for DB2 PE internal traces. Specify an integer value in the range from 0 to 127. Trace level 0 means internal tracing is not performed.

Required or optional
Required

Default value
0

Minimum
0

Maximum
8191

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
TRACELEVEL=<value>

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
OMEGAMON Collector trace level

Default value
0

Minimum
0

Maximum
8191

Batch parameter name
KD2_OMPE_TRACE_LEVEL

PARMGEN name
KD2_OMPE_TRACE_LEVEL

PARMGEN classification
OMPE

KD2_OMPE_UNIT

Unit for non-VSAM

Description

Used to specify the storage device that is to be used for all non-VSAM data sets created by the OMEGAMON Collector. This parameter is ignored, if OMEGAMON XE for DB2 PE runs on a system managed by SMS.

Since SMS can be implemented in different ways, the Configuration tool does not attempt to validate these parameters. The dataset allocation jobs will use all parameters that you enter.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
DATASERVERUNIT='<value>'

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_OMPE_UNIT

PARMGEN name
KD2_OMPE_UNIT

PARMGEN classification
OMPE

KD2_OMPE_UR

Unit of recovery problem

Description

Used to specify whether unit of recovery events data is started.

Required or optional
Optional (Required in case KD2_OMPE_DB2_EVENT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`EVENTURPROBLEM=<value>`

In the Configuration Tool (ICAT)

Panel name
DB2 Event Exception Processing

Panel ID
KD261PG

Panel field
Unit of recovery problem

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_OMPE_UR

PARMGEN name
KD2_OMPE_UR

PARMGEN classification
OMPE

KD2_OMPE_USE_MODEL

Use model definitions in this RTE

Description

Specify whether you want to use the DB2 subsystem definitions that are configured in a model RTE 'Use this RTE as a as a model' is set to Y different from this RTE. In the model RTE all the DB2 subsystems are configured that you want to monitor with the OMEGAMON Collector running from this RTE. All the configuration information that you need for the DB2 subsystem related runtime members is created in the profile library RKD2PRF of the model RTE. By submitting the job CRTDB2 in rhilev.midlev.rtename.RKD2SAM all runtime members needed for this RTE are created on the basis of the RKD2PRF library of the model RTE. The CRTDB2 job is generated by the 'Create runtime members OMEGAMON Collector/UI' job.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Global Control Parameters

Panel ID
KD261PI

Panel field
Use model definitions in this RTE

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_OMPE_USE_MODEL

PARMGEN name
KD2_OMPE_USE_MODEL

PARMGEN classification
OMPE

KD2_OMPE_VOLUME

Volser for non-VSAM

Description

Used to specify a volume serial number that is used for all non-VSAM data sets created by the OMEGAMON Collector. This parameter is ignored, if OMEGAMON XE for DB2 PE runs on a system managed by SMS.

Since SMS can be implemented in different ways, the Configuration tool does not attempt to validate these parameters. The dataset allocation jobs will use all parameters that you enter.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Locations where the parameter value is stored

Location 1
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`VDATASERVERVOLUME='<value>V'`

Location 2
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DATASERVERVOLUME='<value>'`

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Volser

Default value
&RTEV

Batch parameter name
KD2_OMPE_VOLUME

PARMGEN name
KD2_OMPE_VOLUME

PARMGEN classification
OMPE

KD2_OMPE_VSAM_DSHLQ

Use the KD2_OMPE_VSAM_DSHLQ parameter to specify the high-level qualifier for the VSAM data sets that the thread history collector allocates.

Description

This parameter specifies the high-level qualifier for the VSAM data sets allocated by the OMEGAMON Collector.

The default value is generated from the high-level qualifier and the mid-level qualifier that you specified for your RTE.

This parameter is also the basis of the THRDDATASET() parameter in the RKD2PAR(COPT&dbid) for the Enhanced 3270UI thread history VSAM data sets.

Required or optional
Required

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%

Locations where the parameter value is stored

Location 1
In the OMPEMSTR member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`VDATASERVERHLQ=<value>`

Location 2
In the OMDDssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
DEFINE CLUSTER(NAME(<value>..%DB%.HISTORY) -
```

Location 3
In the OMDDssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
DELETE (<value>..%DB%.HISTORY) CLUSTER
```

PARMGEN name
KD2_OMPE_VSAM_DSHLQ

PARMGEN classification
OMPE

KD2_OMPE_VSAM_MGMTCLAS

Management Class for VSAM

Description

Used to specify a management class used for the allocation of all VSAM data sets created by the OMEGAMON Collector.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
VDATASERVERMGMTCLAS='<value>'
```

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_OMPE_VSAM_MGMTCLAS

PARMGEN name
KD2_OMPE_VSAM_MGMTCLAS

PARMGEN classification
OMPE

KD2_OMPE_VSAM_STOCLAS

Storage Class for VSAM

Description

Used to specify a storage class used for the allocation of all VSAM data sets created by the OMEGAMON Collector.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
VDATASERVERSTORCLAS='<value>'

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_OMPE_VSAM_STOCLAS

PARMGEN name
KD2_OMPE_VSAM_STOCLAS

PARMGEN classification
OMPE

KD2_OMPE_VSAM_VOLUME

Volser for VSAM working data sets

Description

Used to specify a volume serial number that is used for all VSAM data sets created by the OMEGAMON Collector. This parameter is ignored, if OMEGAMON XE for DB2 PE runs on a system managed by SMS. Since SMS can be implemented in different ways, the Configuration tool does not attempt to validate these parameters. The dataset allocation jobs will use all parameters that you enter.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Location where the parameter value is stored
In the OMPEMSTR member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
VDATASERVERVOLUME='<value>'

In the Configuration Tool (ICAT)

Panel name
OMEGAMON Collector Information

Panel ID
KD261PN

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_OMPE_VSAM_VOLUME

PARMGEN name
KD2_OMPE_VSAM_VOLUME

PARMGEN classification
OMPE

KD2_PFnn - Product functions

The KD2_PFnn parameters specify various product functions for your environment.

KD2_PFnn_ACS - Monitoring

KD2_PFnn_ACS_DB2MSGMON

Starts the DB2 message monitor

Description

If Y is specified the DB2 message monitor is started.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`DB2MSGMON=<value>`

In the Configuration Tool (ICAT)

Panel name
Additional Settings

Panel ID
KD2PPFAC

Panel field
Start DB2 message monitoring

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_ACS_DB2MSGMON

PARMGEN name
KD2_PFnn_ACS_DB2MSGMON

PARMGEN classification
READA

KD2_PFnn_AEXCP - Periodic exception processing

The KD2_PFnn_AEXCP parameters control the periodic exception processing behavior in your environment.

Periodic exception processing analyzes system metrics and compares them against predefined thresholds, user-defined thresholds, and application metrics.

When a threshold is exceeded, a periodic exception is shown. This event is commonly called an exception. This function is available in Performance Expert Client.

You can start periodic exception processing in one of the following ways:

- Manually, after you start Performance Expert Client. In this case, you can define a set of thresholds for each user ID.
- Automatically, to start one user's threshold definitions when the server starts. In this case, the threshold definitions are already started when the user logs on to the client.

KD2_PFnn_AEXCP_D2PYACT

Enable Automatic Exception Processing

Description

Used to enable or disable Automatic Exception Processing.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Enable Periodic Exception Processing

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_AEXCP_D2PYACT

PARMGEN name
KD2_PFnn_AEXCP_D2PYACT

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPFDSN

Exception file dataset name

Description

Used to specify the name of the DPMOUT output data set. Specify a fully qualified file data set name.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2TPFFLG is set to Y)

Default value
None

Locations where the parameter value is stored

Location 1
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
AUTOEXCPFILENAME=<value>
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ENTRIES('<value>') -
```

Location 3
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Exception file data set name

Default value
None

Batch parameter name
KD2_PF_AEXCP_D2TPFDSN

PARMGEN name
KD2_PFnn_AEXCP_D2TPFDSN

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPFDSP

Disposition for Exception file dataset

Description

Used to specify the disposition of the DPMOUT file data set. Valid values are MOD or OLD.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2TPFFLG is set to Y)

Default value
MOD

Permissible values
MOD, OLD

Locations where the parameter value is stored

Location 1
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`AUTOEXCPFILEDISP=<value>`

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`<value> CATALOG -`

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Exception file data set DISP

Default value
MOD

Permissible values
MOD, OLD

Batch parameter name
KD2_PF_AEXCP_D2TPFDSP

PARMGEN name
KD2_PFnn_AEXCP_D2TPFDSP

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPFFLG

Exception file

Description

Used to activate export of the performance data at time of exception to the exception file.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`AUTOEXCPFILE=<value>`

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Exception file

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_AEXCP_D2TPFFLG

PARMGEN name
KD2_PFnn_AEXCP_D2TPFFLG

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPINTV

Periodic interval

Description

Used to specify the time period between exception checks in seconds. Specify an integer value in the range from 1 to 7200.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value
100

Minimum
1

Maximum
7200

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`AUTOEXCPPERIOD=<value>`

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Periodic interval

Default value
100

Minimum
1

Maximum
7200

Batch parameter name
KD2_PF_AEXCP_D2TPINTV

PARMGEN name
KD2_PFnn_AEXCP_D2TPINTV

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPLDSN

Exception log dataset name

Description

Used to specify the name of the exception log data set. Specify a fully qualified data set name.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2TPLFLG is set to Y)

Default value
None

Locations where the parameter value is stored

Location 1
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
AUTOEXCPLOGNAME=<value>
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
DSNAME('<value>') -
```

Location 3
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
ENTRIES('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Exception log data set name

Default value
None

Batch parameter name
KD2_PF_AEXCP_D2TPLDSN

PARMGEN name
KD2_PFnn_AEXCP_D2TPLDSN

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPLDSP

Disposition for Exception log dataset

Description

Used to specify the disposition of the exception log data set. Valid values are MOD or OLD.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2TPLFLG is set to Y)

Default value
MOD

Permissible values
MOD, OLD

Locations where the parameter value is stored

Location 1
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
AUTOEXCPLOGDISP=<value>
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
<value> CATALOG -
```

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Exception log data set DISP

Default value
MOD

Permissible values
MOD, OLD

Batch parameter name
KD2_PF_AEXCP_D2TPLDSP

PARMGEN name
KD2_PFnn_AEXCP_D2TPLDSP

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPLFLG

Exception log

Description

Used to activate export of the exception data to the exception log.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
AUTOEXCPLOG=<value>
```

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Exception log

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_AEXCP_D2TPLFLG

PARMGEN name
KD2_PFnn_AEXCP_D2TPLFLG

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPTDSN

Threshold data set name

Description

The Exception Threshold data set contains the exception thresholds for the Statistics and Accounting exception reports and traces. When exception processing is active, the instrumentation data is checked against these thresholds.

You can either use an existing threshold data set or let ICAT generate a new threshold data set. Specify a fully qualified data set name without quotes. If the specified threshold data set does not exist, ICAT generates an empty sequential data set using the following attributes:

RECFM
VB

LRECL
255

BLKSIZE
6233

You need to specify thresholds in the specified data set. If the threshold data set is empty, Automatic Exception Processing is not started and the following message is written to the message log:

FPEV0263E D823 AUTOMATIC EXCP NOT STARTED - NO VALID THRESHOLD

To specify thresholds:

Use the thresholds in the supplied sample Threshold data set DGOETV41 in RKO2DATA or in case of an SMP/E Sharing RTE: TKO2DATA. The sample contains a selection of exception fields with predefined threshold values and can be used to get started with exception reporting. To use the sample threshold data set as input for Automatic Exception Processing, copy the contents of DGOETV41 to the threshold data set generated by ICAT.

Note: The sample Exception Threshold data set member DGOETV41 has a different record length. As a result, when you copy member DGOETV41 to your newly allocated data set, you see a warning that records are truncated. You can ignore this warning.

Refer to the Reporting User's Guide 'Specifying exceptions using the Exception Threshold data set editor' and 'Exception Threshold data set' for additional information.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value
%RTE_HILEV%.%RTE_NAME%.RKD2THRS

Locations where the parameter value is stored

Location 1
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
AUTOEXCPTHNAME=<value>
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
DSNAME('<value>') -
```

Location 3
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ENTRIES('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Threshold data set name

Default value
None

Batch parameter name
KD2_PF_AEXCP_D2TPTDSN

PARMGEN name
KD2_PFnn_AEXCP_D2TPTDSN

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPTFMC

Management Class of Exception datasets

Description

Used to specify the SMS management class for the Excp processing datasets that are to be allocated.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
MGMTCLAS(<value>) -
```

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
MGMTCLAS

Default value
None

Batch parameter name
KD2_PF_AEXCP_D2TPTFMC

PARMGEN name
KD2_PFnn_AEXCP_D2TPTFMC

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPTFSC

Storage Class of Exception datasets

Description

Used to specify the SMS storage class for the Excp processing datasets that are to be allocated.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`STORCLAS(<value>) -`

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
STORCLAS

Default value
None

Batch parameter name
KD2_PF_AEXCP_D2TPTFSC

PARMGEN name
KD2_PFnn_AEXCP_D2TPTFSC

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPUID

User ID

Description

Used to specify the user ID of the OMEGAMON XE for DB2 PE user for whom you want to start Automatic Exception Processing. The user ID can be up to 8 characters long. The default user ID is the OMEGAMON XE for DB2 PE user ID.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
AUTOEXCPUSER=<value>

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Threshold user ID

Default value
None

Batch parameter name
KD2_PF_AEXCP_D2TPUID

PARMGEN name
KD2_PFnn_AEXCP_D2TPUID

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPUXIT

Use user exit

Description

Used to specify whether the user exit for Automatic Exception Processing is activated. The default is N.

Required or optional
Optional (Required in case KD2_PF_AEXCP_D2PYACT is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
AUTOEXCPEXIT=<value>

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
User exception exit

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_AEXCP_D2TPUXIT

PARMGEN name
KD2_PFnn_AEXCP_D2TPUXIT

PARMGEN classification
EXCP

KD2_PFnn_AEXCP_D2TPVL

Volser of Exception datasets

Description

Used to specify the volser for the Automatic Excp processing datasets that are to be allocated.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`VOL(<value>) -`

In the Configuration Tool (ICAT)

Panel name
Periodic Exception Processing

Panel ID
KD261PY

Panel field
Volser

Default value
None

Batch parameter name
KD2_PF_AEXCP_D2TPVL

PARMGEN name
KD2_PFnn_AEXCP_D2TPVL

PARMGEN classification
EXCP

KD2_PFnn_DCM - Db2 Connect Monitoring

The KD2_PFnn_DCM parameters specify Db2 Connect Monitoring settings in your environment.

KD2_PFnn_DCM_D2SHDCAI

DB2 Connect application data interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect DB2 Connect application data for later viewing. This value can be set from 10 second to 86400 seconds for one day. It is recommended to set this value to a multiple of KD2_PFnn_SH_D2SHSTAI.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_DCM_D2SHDCAP is set to Y)

Default value
60

Minimum
10

Maximum
86400

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHDB2CONNECTAPPLICATION=(<KD2_PFnn_DCM_D2SHDCAP>,<value>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
DB2 Connect Application Interval

Default value
60

Minimum
10

Maximum
86400

Batch parameter name
KD2_PF_DCM_D2SHDCAI

PARMGEN name
KD2_PFnn_DCM_D2SHDCAI

PARMGEN classification
SS_HIS

KD2_PFnn_DCM_D2SHDCAP

DB2 Connect Monitoring application data

Description

Specify whether DB2 Connect Monitoring application data is to be collected.

If you enable data collection for this collection then this enables the function DB2 Connect Monitoring.

Note: To use DB2 Connect Monitoring Performance Warehouse has to run at least once to set up the required tables for DB2 Connect Monitoring. Furthermore the DB2 Performance Expert Agent for DB2 Connect Monitoring Workstation has to be installed.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHDB2CONNECTAPPLICATION=(<value>,<KD2_PFnn_DCM_D2SHDCAI>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
DB2 Connect Application

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_DCM_D2SHDCAP

PARMGEN name
KD2_PFnn_DCM_D2SHDCAP

PARMGEN classification
SS_HIS

KD2_PFnn_DCM_D2SHDCSI

DB2 Connect system data

Description

Specifies in seconds how often the OMEGAMON Collector is to collect DB2 Connect system data for later viewing. This value can be set from 10 second to 86400 seconds for one day. It is recommended to set this value to a multiple of KD2_PFnn_SH_D2SHSTAI.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_DCM_D2SHDCST is set to Y)

Default value
120

Minimum
10

Maximum
86400

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHDB2CONNECTSYSTEM=(<KD2_PFnn_DCM_D2SHDCST>,<value>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
DB2 Connect System Interval

Default value
120

Minimum
10

Maximum
86400

Batch parameter name
KD2_PF_DCM_D2SHDCSI

PARMGEN name
KD2_PFnn_DCM_D2SHDCSI

PARMGEN classification
SS_HIS

KD2_PFnn_DCM_D2SHDCST

DB2 Connect system data

Description

Specify whether DB2 Connect Monitoring system data is to be collected.

If you enable data collection for this collection then this enables the function DB2 Connect Monitoring.

Note: To use DB2 Connect Monitoring Performance Warehouse has to run at least once to set up the required tables for DB2 Connect Monitoring. Furthermore the DB2 Performance Expert Agent for DB2 Connect Monitoring Workstation has to be installed.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHDB2CONNECTSYSTEM=(<value>,<KD2_PFnn_DCM_D2SHDCSI>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
DB2 Connect System

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_DCM_D2SHDCST

PARMGEN name
KD2_PFnn_DCM_D2SHDCST

PARMGEN classification
SS_HIS

KD2_PFnn_EX - Db2 Explain

The KD2_PFnn_EX parameters control the Db2 Explain behavior in your environment.

Explain functions provide an easy-to-read representation of access plan information for your SQL queries and statements. You can use this information to decide how to tune your queries. The built-in explain functions are Easy Explain and the EXPLAIN report. You must create a database to be used by EXPLAIN. There are no special requirements regarding database name, storage group, or index buffer pool. But you must use an 8 KB buffer pool. The database name has to be specified using the PARMGEN.

KD2_PFnn_EX_D2EXACT

Enable DB2 EXPLAIN

Description

Specify whether you want to enable DB2 EXPLAIN:

Y
Enable DB2 EXPLAIN.

N
Disable DB2 EXPLAIN.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
DB2 Explain

Panel ID
KD261P4

Panel field
Enable DB2 EXPLAIN

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_EX_D2EXACT

PARMGEN name
KD2_PFnn_EX_D2EXACT

PARMGEN classification
EXPLAIN

KD2_PFnn_EX_D2EXDB

DB2 EXPLAIN data base

Description

Specify the EXPLAIN database name. There are no special requirements regarding database name, storage group, or index buffer pool. But you must use an 8 KB buffer pool.

Required or optional
Optional (Required in case KD2_PF_EX_D2EXACT is set to Y)

Default value
DATBA8K

Locations where the parameter value is stored

Location 1
In the EXCTssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
IN DATABASE <value>
```

Location 2
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT CREATETS ON DATABASE <value> TO <KD2_PFnn_EX_D2EXOBJ>
```

Location 3
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT CREATETAB ON DATABASE <value> TO <KD2_PFnn_EX_D2EXOBJ>
```

Location 4
In the EXCQssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
IN DATABASE <value>
```

In the Configuration Tool (ICAT)

Panel name
DB2 Explain

Panel ID
KD261P4

Panel field
EXPLAIN database

Default value
DATBA8K

Batch parameter name
KD2_PF_EX_D2EXDB

PARMGEN name
KD2_PFnn_EX_D2EXDB

PARMGEN classification
EXPLAIN

KD2_PFnn_EX_D2EXOBJ

DB2 EXPLAIN objects owner

Description

Specify the AUTH ID of the OMEGAMON XE for DB2 PE started task.

Required or optional
Optional (Required in case KD2_PF_EX_D2EXACT is set to Y)

Default value
DB2PM

Locations where the parameter value is stored

Location 1
In the EXBDssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
OWNER (<value>) +
```

Location 2
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPLAN TO <value>;
```

Location 3
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSSTMT TO <value>;
```

Location 4
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSTABLES TO <value>;
```

Location 5
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPACKSTMT TO <value>;
```

Location 6
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSINDEXES TO <value>;
```

Location 7
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSTABLEPART TO <value>;
```

Location 8
In the EXC8ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
SET CURRENT SQLID = '<value>';
```

Location 9
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSINDEXPART TO <value>;
```

Location 10
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPACKAGE TO <value>;
```

Location 11
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON TABLE <value>..DGO_SYSDBRM TO %exuser%;
```

Location 12
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT CREATETS ON DATABASE <KD2_PFnn_EX_D2EXDB> TO <value>;
```

Location 13
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSTABLESPACE TO <value>;
```

Location 14
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT INSERT ON TABLE <value>..DGO_SYSPACKAGE TO %exuser%;
```

Location 15
In the EXCQssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
SET CURRENT SQLID = '<value>';
```

Location 16
In the EXCOssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
SET CURRENT SQLID = '<value>';
```

Location 17
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSKEYS TO <value>;
```

Location 18
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSINDEXSTATS TO <value>;
```

Location 19
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPACKDEP TO <value>;
```

Location 20
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSTABSTATS TO <value>;
```

Location 21
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSCOLUMNS TO <value>;
```

Location 22
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
GRANT CREATETAB ON DATABASE <KD2_PFnn_EX_D2EXDB> TO <value>;
```

Location 23

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT PACKADM ON COLLECTION KO2EX510 TO <value>;
```

Location 24

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT USE OF STOGROUP SYSDEFLT TO <value>;
```

Location 25

In the EXCVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 26

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSDATABASE TO <value>;
```

Location 27

In the EXDVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 28

In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON TABLE <value>..DGO_SYSPACKAGE TO %exuser%;
```

Location 29

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSCOLDIST TO <value>;
```

Location 30

In the EXCTssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
SET CURRENT SQLID = '<value>';
```

Location 31

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSFIELDS TO <value>;
```

Location 32

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSDBRM TO <value>;
```

Location 33

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
GRANT SELECT ON SYSIBM.SYSSYNONYMS TO <value>;
```

Location 34

In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON SYSIBM.SYSPACKLIST TO <value>;
```

Location 35
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT INSERT ON TABLE <value>..DGO_SYSDBRM TO %exuser%;
```

Location 36
In the EXBPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
OWNER (<value>) +
```

Location 37
In the EXGRssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT BINDADD TO <value>;
```

In the Configuration Tool (ICAT)

Panel name
DB2 Explain

Panel ID
KD261P4

Panel field
Owner of EXPLAIN objects

Default value
DB2PM

Batch parameter name
KD2_PF_EX_D2EXOBJ

PARMGEN name
KD2_PFnn_EX_D2EXOBJ

PARMGEN classification
EXPLAIN

KD2_PFnn_EX_D2EXQMF

Is DB2 EXPLAIN QMF installed

Description

Specify Y if QMF is installed.

Required or optional
Optional (Required in case KD2_PF_EX_D2EXACT is set to Y)

Default value
N

Permissible values
Y, N

Locations where the parameter value is stored

Location 1
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
GRANT SELECT ON <value>I..OBJECT_DATA TO %exuser%;
```

Location 2
In the EXCQssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
FROM <value>I..OBJECT_DIRECTORY ;

Location 3
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
GRANT SELECT ON <value>I..OBJECT_DIRECTORY TO %exuser%;

Location 4
In the EXCQssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
FROM <value>I..OBJECT_DATA ;

In the Configuration Tool (ICAT)

Panel name
DB2 Explain

Panel ID
KD261P4

Panel field
Is QMF installed

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_EX_D2EXQMF

PARMGEN name
KD2_PFnn_EX_D2EXQMF

PARMGEN classification
EXPLAIN

KD2_PFnn_EX_D2EXQMFI

DB2 QMF Owner ID

Description

If QMF is installed, specify the QMF Owner ID.

Required or optional
Optional (Required in case KD2_PF_EX_D2EXACT is set to Y and KD2_PF_EX_D2EXQMF is set to Y)

Default value
Q

Locations where the parameter value is stored

Location 1
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
GRANT SELECT ON <value>..OBJECT_DIRECTORY TO %exuser%;

Location 2
In the EXCQssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
FROM <value>..OBJECT_DIRECTORY ;

Location 3
In the EXCQssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
FROM <value>..OBJECT_DATA ;

Location 4
In the EXGPssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
GRANT SELECT ON <value>..OBJECT_DATA TO %exuser%;

In the Configuration Tool (ICAT)

Panel name
DB2 Explain

Panel ID
KD261P4

Panel field
QMF Owner ID

Default value
Q

Batch parameter name
KD2_PF_EX_D2EXQMFI

PARMGEN name
KD2_PFnn_EX_D2EXQMFI

PARMGEN classification
EXPLAIN

KD2_PFnn_HIS - History

The KD2_PFnn_HIS parameters control the history behavior in your environment.

KD2_PFnn_HIS_ACCTG_CLAS

Use the KD2_PFnn_HIS_ACCTG_CLAS parameter to specify one or more types of accounting data to collect.

Description

Specifies the type of accounting data to collect.

Class 1 IFCID 3 no In-DB2 or I/O and lock wait times.

Class 2 IFCID 3 In-DB2 time.

Class 3 IFCID 3 I/O and lock wait times.

Class 7 IFCID 3,239 Package/DBRM In-DB2 time.

Class 8 IFCID 3,239 Package/DBRM I/O and lock wait times.

Class 10 IFCID 239 Package detail

Class 11 IFCID 3,200 No package info. For DB2 v11 and above only.

Enter a list of the accounting classes that you want to collect data from. For example "1 2 3"

NOTE: In order to reduce the number of IFCIDs collected and not

collect the IFCID 239, class 11 should be requested

without classes 7, 8 and 10. Class 11 supported in DB2 v11 and above.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
1

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`ACCTG(<value>Y)`

PARMGEN name
KD2_PFnn_HIS_ACCTG_CLAS

PARMGEN classification
NTH

KD2_PFnn_HIS_AD - Anomaly detection

The KD2_PFnn_HIS_AD parameters control anomaly detection behavior in your environment.

KD2_PFnn_HIS_AD_ALPHA

Specifies the Alpha Smoothing Factor

Description

The Alpha Smoothing the factor used to smooth or filter the data from the most recent period. An alpha factor of 0.1 means to give the most recent data period a weighting of 0.1 and the previous period a weighting of 0.9.

Required or optional
Required

Default value
0.010

Minimum
0.001

Maximum
0.100

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADALPHA(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_ALPHA

PARMGEN name
KD2_PFnn_HIS_AD_ALPHA

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_CPU_DSC_TOL

Specifies the CPU Discard Tolerance

Description

Specifies the discard level that has to be exceeded for a Db2 thread's CPU time not to update the rolling mean and standard deviation.

Required or optional
Required

Default value
20.0

Minimum
2

Maximum
200

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADDCPUDTOLR(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_CPU_DSC_TOL

PARMGEN name
KD2_PFnn_HIS_AD_CPU_DSC_TOL

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_CPU_TOL

Specifies the CPU Time tolerance

Description

Specifies the CPU Time sensitivity (toleration) that when it is exceeded produces an anomaly exception for CPU time for a Db2 thread.

Toleration level shows how many standard deviations away from the Mean determines the thread is an anomaly.

Required or optional
Required

Default value
10.0

Minimum
1

Maximum
100

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADCPUTOLER(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_CPU_TOL

PARMGEN name
KD2_PFnn_HIS_AD_CPU_TOL

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_ELP_DSC_TOL

Specifies the Elapsed Discard Tolerance

Description

Specifies the discard level that has to be exceeded for a Db2 thread's elapsed time not to update the rolling mean and standard deviation.

Required or optional
Required

Default value
20.0

Minimum
2

Maximum
200

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADDELDTOLR(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_ELP_DSC_TOL

PARMGEN name
KD2_PFnn_HIS_AD_ELP_DSC_TOL

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_ELP_TOL

Specifies the Elapsed Time Tolerance

Description

Specifies the Elapsed Time toleration that when it is exceeded produces an anomaly exception for Elapsed time for a Db2 thread.

Toleration level shows how many standard deviations away from the Mean determines the thread is an anomaly.

Required or optional
Required

Default value
10.0

Minimum
1

Maximum
100

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADELTOLER(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_ELP_TOL

PARMGEN name
KD2_PFnn_HIS_AD_ELP_TOL

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_ENABLED

Enable Anomaly Detection

Description

Specify whether or not to collect anomaly detection data.

Y
Enable Anomaly Detection.

N
Disable Anomaly Detection.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADENABLED(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_ENABLED

PARMGEN name
KD2_PFnn_HIS_AD_ENABLED

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_GP_DLT

The Mimimum change in Getpages

Description

The Get Page Minimum delta to reduce false positives on getpages. If the difference in getpages is lower than this amount it will not be considered an Anomaly.

Required or optional
Required

Default value
50.0

Minimum
10

Maximum
100

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
ADGPDELT(<value>)

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_GP_DLT

PARMGEN name
KD2_PFnn_HIS_AD_GP_DLT

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_GPG_DSC_TOL

Specifies the Get Page Discard Tolerance

Description

Specifies the discard level that has to be exceeded for a Db2 thread's get pages not to update the rolling mean and standard deviation.

Required or optional
Required

Default value
20.0

Minimum
2

Maximum
200

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
ADDGPDTOLR(<value>)

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_GPG_DSC_TOL

PARMGEN name
KD2_PFnn_HIS_AD_GPG_DSC_TOL

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_GPG_TOL

Specifies the Get Page tolerance

Description

Specifies the Get Page toleration that when it is exceeded produces an anomaly exception for Get Pages for a Db2 thread.

Toleration level shows how many standard deviations away from the Mean determines the thread is an anomaly.

Required or optional
Required

Default value
10.0

Minimum
1

Maximum
100

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADGPTOLER(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_GPG_TOL

PARMGEN name
KD2_PFnn_HIS_AD_GPG_TOL

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_MEMORY_SIZE

Megabytes that will be used.

Description

Specifies the number of megabytes of above-the bar storage each Db2 will use for Anomaly Detection group areas.

Required or optional
Required

Default value
2048

Minimum
512

Maximum
16384

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADMEMSIZ(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_MEMORY_SIZE

PARMGEN name
KD2_PFnn_HIS_AD_MEMORY_SIZE

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_MIN_COUNT

Number of Threads in the learning period

Description

Specifies the number of Threads analyzed during the learning period for a given workload group before OMEGAMON for Db2 begins detecting anomalies for the group.

Required or optional
Required

Default value
100

Minimum
1

Maximum
9999

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADMCOUNT(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_MIN_COUNT

PARMGEN name
KD2_PFnn_HIS_AD_MIN_COUNT

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_AUTH

Specifies to use Auth ID as part of key

Description

Specifies whether to use Authorization ID as a part of key for Anomaly Grouping.

Y
Use Authorization ID for grouping.

N
Do not use Authorization ID for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADUAUTH(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_AUTH

PARMGEN name
KD2_PFnn_HIS_AD_USE_AUTH

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_CONNECT

Use the connection type as part of key

Description

Specifies whether to use Connection Type as a part of key for Anomaly Grouping.

Y
Use Connection Type for grouping.

N
Do not use Connection Type for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADUCONN(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_CONNECT

PARMGEN name
KD2_PFnn_HIS_AD_USE_CONNECT

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_CONNNM

Use connection name as part of key

Description

Specifies whether to use Connection Name as a part of key for Anomaly Grouping.

Y
Use Connection Name for grouping.

N
Do not use Connection Name for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADUCONNNM(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_CONNNM

PARMGEN name
KD2_PFnn_HIS_AD_USE_CONNNM

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_CORRID

Use Correlation ID as part of key

Description

Specifies whether to use Correlation ID as a part of key for Anomaly Grouping.

Y
Use Correlation ID for grouping.

N
Do not use Correlation ID for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`ADUCORRID(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_CORRID

PARMGEN name
KD2_PFnn_HIS_AD_USE_CORRID

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_ENDUSER

Use End User ID as part of key

Description

Specifies whether to use End User ID as a part of key for Anomaly Grouping.

Y
Use End User ID for grouping.

N
Do not use End User ID for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADUEUID(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_ENDUSER

PARMGEN name
KD2_PFnn_HIS_AD_USE_ENDUSER

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_PLAN

Use PLAN name as part of key

Description

Specifies whether to use PLAN name as a part of key for Anomaly Grouping.

Y
Use Plan name for grouping.

N
Do not use Plan name for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADUPLAN(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_PLAN

PARMGEN name
KD2_PFnn_HIS_AD_USE_PLAN

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_TRANSAC

Use End User Transaction as part of key

Description

Specifies whether to use End User Transaction Name as a part of key for Anomaly Grouping.

Y
Use End User Transaction Name for grouping.

N
Do not use End User Transaction Name for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADUEUTX(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_TRANSAC

PARMGEN name
KD2_PFnn_HIS_AD_USE_TRANSAC

PARMGEN classification
NTH

KD2_PFnn_HIS_AD_USE_WSNAME

Use End User Workstation as part of key

Description

Specifies whether to use End User Workstation Name as a part of key for Anomaly Grouping.

Y
Use End User Workstation Name for grouping.

N
Do not use End User Workstation Name for grouping.

Required or optional
Optional

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`ADUEUWN(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_HIS_AD_USE_WSNAME

PARMGEN name
KD2_PFnn_HIS_AD_USE_WSNAME

PARMGEN classification
NTH

KD2_PFnn_HIS_BUFSIZE

Data collection buffer size

Description

Specifies the parameter that controls the size of the buffer, which is used to hold IFI records until they can be written out to the log dataset by the Near-Term History Data Collector. This value is specified in kilobytes.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
1024

Minimum
50

Maximum
9999

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`BUFSIZE(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
Buffer size

Default value
1024

Minimum
50

Maximum
9999

Batch parameter name
KD2_PF_HIS_BUFSIZE

PARMGEN name
KD2_PFnn_HIS_BUFSIZE

PARMGEN classification
NTH

KD2_PFnn_HIS_COLL_INTV

Collection interval

Description

Specifies the time interval for statistics data collection. This interval also applies to thread data collection if grouping is selected. The default interval is the same as the RMF interval if RMF is active, or 15 minutes if RMF is not active.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
15

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`INTERVAL(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
Collection interval

Default value
15

Batch parameter name
KD2_PF_HIS_COLL_INTV

PARMGEN name
KD2_PFnn_HIS_COLL_INTV

PARMGEN classification
NTH

KD2_PFnn_HIS_DB2_STAT

Collect statistics data

Description

This specifies whether to collect statistics information IFCIDs 1 and 2.

If Y is entered, statistics information is recorded once for each collection interval.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
Y

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`STATISTICS(<value>Y)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PB

Panel field
Statistics

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_HIS_DB2_STAT

PARMGEN name
KD2_PFnn_HIS_DB2_STAT

PARMGEN classification
NTH

KD2_PFnn_HIS_DYN_DSNAME

This parameter lets you specify a base dataset name that is used to create the sequential datasets for storing Near-Term History trace data.

Description

Specify a base dataset name that is used to create the sequential datasets that store Near-Term History trace data. Use the following variables to construct the sequential dataset name. To ensure unique dataset names, you must use at least @DB2, @DATE and @TIME:

@DB2
Inserts the DB2 subsystem ID of the data being collected into the name of the dataset.

@DATE
Inserts the date of the first record in the dataset into the name of the dataset.

@TIME
Inserts the time of the first record in the dataset into the name of the dataset.

This field is applicable only if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is DYNAMIC.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to D)

Default value
None

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`<value>`

PARMGEN name
KD2_PFnn_HIS_DYN_DSNAME

PARMGEN classification
NTH

KD2_PFnn_HIS_DYN_MCLAS

Management class DYNAMIC

Description

If the historical sequential datasets are SMS-managed, then specify the SMS management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
MGMTCLAS(<value>)

KD2_PFnn_HIS_DYN_PRIMARY

Primary space for sequential datasets

Description

Specify the primary space allocation used for the sequential data sets created by the Near-Term History Data Collector. The default is 10 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to D)

Default value
10

Valid values
Any number in the range 3-9999

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
SPACE(CYL,<value>,<KD2_PFnn_HIS_DYN_SECONDARY>)

PARMGEN name
KD2_PFnn_HIS_DYN_PRIMARY

PARMGEN classification
NTH

KD2_PFnn_HIS_DYN_SCLAS

Storage class DYNAMIC

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
STORCLAS(<value>)

KD2_PFnn_HIS_DYN_SECONDARY

Secondary space for sequential datasets

Description

Specify the secondary space allocation used for the sequential data sets created by the Near-Term History Data Collector. The default is 2 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to D)

Default value
2

Valid values
Any number in the range 0-9999

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`SPACE(CYL,<KD2_PFnn_HIS_DYN_PRIMARY>,<value>)`

PARMGEN name
KD2_PFnn_HIS_DYN_SECONDARY

PARMGEN classification
NTH

KD2_PFnn_HIS_DYN_SQL

The KD2_PFnn_HIS_DYN_SQL parameter specifies whether to collect dynamic SQL data.

Valid values

This specifies whether dynamic SQL text and access path information is collected.

Y: the collector activates IFCIDs 22, 63, 105, and 107.

F: the collector activates IFCIDs 22, 350, 105, and 107. IFCID 350 records the complete text of a parsed SQL statement, while IFCID 63 is limited to the first 5000 bytes of a SQL statement.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to Y.)

Default value
N

Valid values
Y, N, F

Locations where the parameter value is stored

Location 1
In the DB2PROF member of the %RTE_HILEV%.%RTE_NAME%.RKD2PRF library

Output line
`DB2_DSNTIAD=<value>NTIA`

Location 2
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`DYNAMICSQL(<value>Y)`

PARMGEN name
KD2_PFnn_HIS_DYN_SQL

PARMGEN classification
NTH

KD2_PFnn_HIS_DYN_UNIT

Unit DYNAMIC

Description

Specify the unit name for the allocation of the historical sequential datasets. If the historical sequential datasets are not SMS-managed then this is a required entry. If your installation does not use the unit name, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`UNIT(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ2

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_DYN_UNIT

PARMGEN name
KD2_PFnn_HIS_DYN_UNIT

PARMGEN classification
NTH

KD2_PFnn_HIS_DYN_VOLUME

Volser DYNAMIC

Description

Specify the volume serial numbers for the allocation of the historical sequential datasets. If the historical sequential datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`VOLSER(<value>)`

KD2_PFnn_HIS_GDG_DSNAME

Dataset name GDG

Description

Specify the name for the base dataset of the Generation Data Group GDG. For the GDG type, the dataset name can have a maximum of 35 characters. And the storage mechanism is GDG.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
(NAME ('<value>') -
```

Location 2
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line

```
ENTRIES('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ3

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_HIS_GDG_DSNAME

PARMGEN name
KD2_PFnn_HIS_GDG_DSNAME

PARMGEN classification
NTH

KD2_PFnn_HIS_GDG_LIM

The KD2_PFnn_HIS_GDG_LIM parameter specifies the number of GDG generations to be used for this GDG.

Valid values

Any number in the range 1-255.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is GDG.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

Default value
7

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`LIMIT(<value>))`

Location 2
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`LIMIT(<value>))`

PARMGEN name
KD2_PFnn_HIS_GDG_LIM

PARMGEN classification
NTH

KD2_PFnn_HIS_GDG_MCLAS

Management class GDG

Description

If the historical sequential datasets are SMS-managed, then specify the SMS management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`MGMTCLAS(<value>)`

KD2_PFnn_HIS_GDG_PRIMARY

The KD2_PFnn_HIS_GDG_PRIMARY parameter specifies the primary space allocation used for the GDG.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Default value
10

Valid values
Any number in the range 3-9999

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`SPACE(CYL,<value>,<KD2_PFnn_HIS_GDG_SECONDARY>)`

PARMGEN name
KD2_PFnn_HIS_GDG_PRIMARY

PARMGEN classification
NTH

KD2_PFnn_HIS_GDG_SCLAS

Storage class GDG

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`STORCLAS(<value>)`

KD2_PFnn_HIS_GDG_SECONDARY

The KD2_PFnn_HIS_GDG_SECONDARY parameter specifies the secondary space allocation used for the GDG.

Default value

2 cylinders

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to G)

Valid values
Any number in the range 0-9999

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`SPACE(CYL,<KD2_PFnn_HIS_GDG_PRIMARY>,<value>)`

PARMGEN name
KD2_PFnn_HIS_GDG_SECONDARY

PARMGEN classification
NTH

KD2_PFnn_HIS_GDG_UNIT

Unit GDG

Description

Specify the unit name for the allocation of the historical sequential datasets. If the historical sequential datasets are not SMS-managed then this is a required entry. If your installation does not use the unit name, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`UNIT(<value>)`

Location 2
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`UNIT(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ3

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_GDG_UNIT

PARMGEN name
KD2_PFnn_HIS_GDG_UNIT

PARMGEN classification
NTH

KD2_PFnn_HIS_GDG_VOLUME

Volser GDG

Description

Specify the volume serial numbers for the allocation of the historical sequential datasets. If the historical sequential datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

KD2_PFnn_HIS_IFIREAD

IFI trace read frequency

Description

Specifies the IFI trace record read time in "mmssth" format where "mmssth" is minutes, seconds, tenths and hundredths of seconds. This parameter controls the frequency with which the Near-Term History Data Collector reads the new IFI trace records into the collection buffer.

You can increase the frequency by decreasing theinterval, however, CPU utilization will increase. The default is 010000 which is 1 minute.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
010000

Minimum
000100

Maximum
010000

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`IFIREADTIME(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
IFI read frequency

Default value
010000

Minimum
000100

Maximum
010000

Batch parameter name
KD2_PF_HIS_IFIREAD

PARMGEN name
KD2_PFnn_HIS_IFIREAD

PARMGEN classification
NTH

KD2_PFnn_HIS_LOCK_CNTN

The KD2_PFnn_HIS_LOCK_CNTN parameter specifies whether lock timeout and deadlock information is collected.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Valid values
Y: Collector activates IFCIDs 172, 196, 105, and 107

N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`LOCKCONT(<value>Y)`

PARMGEN name
KD2_PFnn_HIS_LOCK_CNTN

PARMGEN classification
NTH

KD2_PFnn_HIS_LOCK_SUSP

The KD2_PFnn_HIS_LOCK_SUSP parameter specifies whether to collect lock wait information for local resources.

Description

If Y is entered, the collector activates IFCIDs 44,45,213,214,105,107.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to Y)

Default value
N

Valid values
Y, N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
```
LOCKSUSP(<value>Y)
```

PARMGEN name
KD2_PFnn_HIS_LOCK_SUSP

PARMGEN classification
NTH

KD2_PFnn_HIS_LOG1

VSAM log dataset 1

Description

Specify a name for the VSAM log dataset to be created. Specify at least two datasets to allow for log switching. The Near-Term History Data Collector will automatically switch to a free log dataset when the current dataset is full. Near-Term History VSAM dataset names must be unique for each DB2 subsystem.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%.%DB%.RKD2VS01

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ENTRIES('<value>') -
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
(NAME(<value>) -
```

Location 3
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
<value>

Location 4
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
DEFINE CLUSTER( NAME(<value>) -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
VSAM log data set name

Default value
None

Batch parameter name
KD2_PF_HIS_LOG1

PARMGEN name
KD2_PFnn_HIS_LOG1

PARMGEN classification
NTH

KD2_PFnn_HIS_LOG2

The KD2_PFnn_HIS_LOG2 parameter specifies a name for the VSAM log data set to be created

Specify at least two data sets to allow for log switching. The Near-Term History Data Collector will automatically switch to a free log data set when the current data set is full. Near-Term History VSAM data set names must be unique for each DB2 subsystem.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to Y)

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%.%DB%.RKD2VS02

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
ENTRIES('<value>') -
```

Location 2
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
(NAME(<value>) -
```

Location 3
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
<value>

Location 4
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
DEFINE CLUSTER( NAME(<value>) -
```

PARMGEN name
KD2_PFnn_HIS_LOG2

PARMGEN classification
NTH

KD2_PFnn_HIS_LOG3

VSAM log dataset 3

Description

Specify a name for the VSAM log dataset to be created. Specify at least two datasets to allow for log switching. The Near-Term History Data Collector will automatically switch to a free log dataset when the current dataset is full. Near-Term History VSAM dataset names must be unique for each DB2 subsystem.

Required or optional
Optional

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%.%DB%.RKD2VS03

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
(NAME(<value>) -
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ENTRIES('<value>') -
```

Location 3
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
<value>
```

Location 4
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
DEFINE CLUSTER( NAME(<value>) -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
VSAM log data set name

Default value
None

Batch parameter name
KD2_PF_HIS_LOG3

PARMGEN name
KD2_PFnn_HIS_LOG3

PARMGEN classification
NTH

KD2_PFnn_HIS_LOG4

VSAM log dataset 4

Description

Specify a name for the VSAM log dataset to be created. Specify at least two datasets to allow for log switching. The Near-Term History Data Collector will automatically switch to a free log dataset when the current dataset is full. Near-Term History VSAM dataset names must be unique for each DB2 subsystem.

Required or optional
Optional

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%.%DB%.RKD2VS04

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
(NAME(<value>) -
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
ENTRIES('<value>') -
```

Location 3
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
<value>
```

Location 4
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
DEFINE CLUSTER( NAME(<value>) -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
VSAM log data set name

Default value
None

Batch parameter name
KD2_PF_HIS_LOG4

PARMGEN name
KD2_PFnn_HIS_LOG4

PARMGEN classification
NTH

KD2_PFnn_HIS_LOG5

VSAM log dataset 5

Description

Specify a name for the VSAM log dataset to be created. Specify at least two datasets to allow for log switching. The Near-Term History Data Collector will automatically switch to a free log dataset when the current dataset is full. Near-Term History VSAM dataset names must be unique for each DB2 subsystem.

Required or optional
Optional

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%.%DB%.RKD2VS05

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
(NAME(<value>) -
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ENTRIES('<value>') -
```

Location 3
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
<value>
```

Location 4
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
DEFINE CLUSTER( NAME(<value>) -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
VSAM log data set name

Default value
None

Batch parameter name
KD2_PF_HIS_LOG5

PARMGEN name
KD2_PFnn_HIS_LOG5

PARMGEN classification
NTH

KD2_PFnn_HIS_LOG6

VSAM log dataset 6

Description

Specify a name for the VSAM log dataset to be created. Specify at least two datasets to allow for log switching. The Near-Term History Data Collector will automatically switch to a free log dataset when the current dataset is full. Near-Term History VSAM dataset names must be unique for each DB2 subsystem.

Required or optional
Optional

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%.%DB%.RKD2VS06

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
(NAME(<value>) -
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ENTRIES('<value>') -
```

Location 3
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
```
<value>
```

Location 4
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
DEFINE CLUSTER( NAME(<value>) -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
VSAM log data set name

Default value
None

Batch parameter name
KD2_PF_HIS_LOG6

PARMGEN name
KD2_PFnn_HIS_LOG6

PARMGEN classification
NTH

KD2_PFnn_HIS_LOG7

VSAM log dataset 7

Description

Specify a name for the VSAM log dataset to be created. Specify at least two datasets to allow for log switching. The Near-Term History Data Collector will automatically switch to a free log dataset when the current dataset is full. Near-Term History VSAM dataset names must be unique for each DB2 subsystem.

Required or optional
Optional

Default value
%RTE_VSAM_HILEV%.%RTE_NAME%.%DB%.RKD2VS07

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
(NAME(<value>) -
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
ENTRIES('<value>') -
```

Location 3
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line

```
<value>
```

Location 4
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
DEFINE CLUSTER( NAME(<value>) -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
VSAM log data set name

Default value
None

Batch parameter name
KD2_PF_HIS_LOG7

PARMGEN name
KD2_PFnn_HIS_LOG7

PARMGEN classification
NTH

KD2_PFnn_HIS_NEQSQL

Negative SQL option

Description

Specifies whether or not the number of SQL calls executed by a thread which resulted in a negative return code is collected. If Y is entered, the collector activates IFCIDs 58,59,60,61,62,64,65 and 66 to the DB2 START TRACE PERFORMANCE command.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`NEGSQL(<value>Y)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PB

Panel field
Negative SQL

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_HIS_NEQSQL

PARMGEN name
KD2_PFnn_HIS_NEQSQL

PARMGEN classification
NTH

KD2_PFnn_HIS_POSTPCT

Threshold for historical collection

Description

Specifies the option to tune the Near-Term History Data Collector if you often see the DSNW133I messages issued by DB2. This value is used to compute a "high water mark" or threshold for historical collection. This threshold is a percentage of the total number of bytes in the IFI buffer. When this threshold is exceeded, DB2 will post the Near-Term History Data Collector to drain the buffer. The Near-Term History Data Collector will allow any percentage value from 1-99. Start from the default value of 70 and test small increments up or down.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
70

Minimum
1

Maximum
99

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`POSTPCT(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
Threshold

Default value
70

Minimum
1

Maximum
99

Batch parameter name
KD2_PF_HIS_POSTPCT

PARMGEN name
KD2_PFnn_HIS_POSTPCT

PARMGEN classification
NTH

KD2_PFnn_HIS_SCAN_SUMM

The KD2_PFnn_HIS_SCAN_SUMM parameter specifies whether to collect scan summary data.

Description

If Y is entered, the collector activates IFCIDs 15,16,17,18.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to Y)

Default value
N

Valid values
Y, N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`SCAN(<value>Y)`

PARMGEN name
KD2_PFnn_HIS_SCAN_SUMM

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_ARC_DS

The KD2_PFnn_HIS_SEQ_ARC_DS parameter specifies the name of the archive data set.

Description

If you selected GDG, specify the following parameters:

Specify the name for the base data set of the Generation Data Group GDG. For the GDG type, the data set name can have a maximum of 35 characters.

If you selected DYN, specify the following parameters:

Use the following variables to construct the sequential data set name. To ensure unique data set names, you must use at least @DB2, @DATE and @TIME:

@DB2
Inserts the DB2 subsystem ID of the data being collected into the name of the data set.

@DATE
Inserts the date of the first record in the data set into the name of the data set.

@TIME
Inserts the time of the first record in the data set into the name of the data set.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
(NAME ('<value>') -
```

Location 2
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
ENTRIES('<value>') -
```

PARMGEN name
KD2_PFnn_HIS_SEQ_ARC_DS

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_ARC_GDGLIM

GDG Limit for the archive dataset

Description

Specify the number of GDG generations to be used for this GDG. You can specify 1 to 255.

This field is only applicable if you specified GDG as thestorage mechanism to be used for archiving.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S and KD2_PF_HIS_SEQ_ARC_TYP is set to GDG)

Default value
7

Minimum
1

Maximum
255

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`LIMIT(<value>))`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZA

Panel field
Limit for GDG data sets

Default value
7

Minimum
1

Maximum
255

Batch parameter name
KD2_PF_HIS_SEQ_ARC_GDGLIM

PARMGEN name
KD2_PFnn_HIS_SEQ_ARC_GDGLIM

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_ARC_MCLAS

The KD2_PFnn_HIS_SEQ_ARC_MCLAS parameter specifies the management class for archive data sets.

Description

If the data set is SMS-managed, specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

Location 2
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

PARMGEN name
KD2_PFnn_HIS_SEQ_ARC_MCLAS

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_ARC_SCLAS

Storage class for the archive datsets

Description

If the dataset is SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`STORCLAS(<value>)`

Location 2
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`STORCLAS(<value>)`

PARMGEN name
KD2_PFnn_HIS_SEQ_ARC_SCLAS

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_ARC_TYP

The KD2_PFnn_HIS_SEQ_ARC_TYP parameter specifies the storage mechanism for archive data sets.

Description

You configured the Near-Term History Data Collector to store the trace data to VSAM data sets and sequential data sets VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and you specified the storage mechanism.

On this panel you can specify the information used to create the archive data sets that are generated by the Near-Term History Data Collector. There are two choices:

GDG
Generation Data Group

DYN
the Near-Term History Data Collector always allocates a new data set when the currently used data set is full.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value
GDG

Permissible values
GDG, DYN

Location where the parameter value is stored
This value is not stored in a configuration member.

PARMGEN name
KD2_PFnn_HIS_SEQ_ARC_TYP

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_ARC_UNIT

The KD2_PFnn_HIS_SEQ_ARC_UNIT parameter specifies the unit for the archive data sets.

Description

Specify the unit name for the allocation of the data set. If the data set is not SMS-managed, this parameter is required. If your installation does not use unit name, leave this field blank.

Required or optional
Optional

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Default value
%RTE_SMS_UNIT%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`UNIT(<value>)`

Location 2
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`UNIT(<value>)`

PARMGEN name
KD2_PFnn_HIS_SEQ_ARC_UNIT

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_ARC_VOLUME

The KD2_PFnn_HIS_SEQ_ARC_VOLUME parameter specifies the volume serial (volser) range for the archive data sets.

Description

If the data set is not to be SMS-managed, this is required. If your installation does not use volume serial number, leave this field blank.

Required or optional
Optional

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Default value
%RTE_SMS_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`VOLUME(<value>)`

Location 2
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`VOLUME(<value>)`

PARMGEN name
KD2_PFnn_HIS_SEQ_ARC_VOLUME

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_MCLAS1

The KD2_PFnn_HIS_SEQ_MCLAS1 parameter specifies the SMS management class for sequential data set 1.

Description

If the historical sequential data sets are SMS-managed, then specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, leave this field blank.

Required or optional
Optional

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
`MGMTCLAS(<value>) +`

PARMGEN name
KD2_PFnn_HIS_SEQ_MCLAS1

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_MCLAS2

The KD2_PFnn_HIS_SEQ_MCLAS2 parameter specifies the SMS management class for sequential data set 2.

Description

If the historical sequential data sets are SMS-managed, then specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MGMTCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_MCLAS2

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_MCLAS3

The KD2_PFnn_HIS_SEQ_MCLAS3 parameter specifies the SMS management class for sequential data set 3.

Description

If the historical sequential data sets are SMS-managed, then specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MGMTCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_MCLAS3

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_MCLAS4

The KD2_PFnn_HIS_SEQ_MCLAS4 parameter specifies the management class for sequential data set 4

Description

If the historical sequential data sets are SMS-managed, specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MGMTCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_MCLAS4

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_MCLAS5

The KD2_PFnn_HIS_SEQ_MCLAS5 parameter specifies the management class for sequential data set 5.

Description

If the historical sequential data sets are SMS-managed, specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MGMTCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_MCLAS5

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_MCLAS6

The KD2_PFnn_HIS_SEQ_MCLAS6 parameter specifies the management class for sequential data set 6.

Description

If the historical sequential data sets are SMS-managed, specify the SMS management class to use on the allocation. If your installation does not use the SMS MGMTCLAS parameter, leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MGMTCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_MCLAS6

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_MCLAS7

Mgmt Class for sequential dataset 7

Description

If the historical sequential datasets are SMS-managed, then specify the SMS management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_MGMTCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MGMTCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_MCLAS7

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_PRIMARY_CYL

Primary space for sequential datasets

Description

Specify the primary space allocation used for the sequential datasets. The default is 10 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value
10

Minimum
3

Maximum
9999

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
DSORG(PS) SPACE(<value> <KD2_PFnn_HIS_SEQ_SECONDARY_CYL>) CYLINDERS
```

Location 2
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
```
SPACE(CYL,<value>,<KD2_PFnn_HIS_SEQ_SECONDARY_CYL>)
```

PARMGEN name
KD2_PFnn_HIS_SEQ_PRIMARY_CYL

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SCLAS1

Storage class for sequential dataset 1

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
STORCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SCLAS1

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SCLAS2

Storage class for sequential dataset 2

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
STORCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SCLAS2

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SCLAS3

Storage class for sequential dataset 3

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
STORCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SCLAS3

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SCLAS4

Storage class for sequential dataset 4

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
STORCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SCLAS4

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SCLAS5

Storage class for sequential dataset 5

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
STORCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SCLAS5

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SCLAS6

Storage class for sequential dataset 6

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
STORCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SCLAS6

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SCLAS7

The KD2_PFnn_HIS_SEQ_SCLAS7 parameter specifies the storage class for sequential dataset 7

Description

If the historical sequential datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_STORCLAS%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
STORCLAS(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SCLAS7

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_SECONDARY_CYL

Secondary space for sequential datasets

Description

Specify the secondary space allocation used for the sequential datasets. The default is 2 cylinders.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value
2

Minimum
0

Maximum
9999

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
DSORG(PS) SPACE(<KD2_PFnn_HIS_SEQ_PRIMARY_CYL> <value>) CYLINDERS
```

Location 2
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
```
SPACE(CYL,<KD2_PFnn_HIS_SEQ_PRIMARY_CYL>,<value>)
```

PARMGEN name
KD2_PFnn_HIS_SEQ_SECONDARY_CYL

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_TYP

Storage mechanism

Description

If you specified VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM you can choose one of the following 3 alternatives to store trace data in sequential files:

Static sequential S
You may specify 2 to 7 sequential datasets for trace data collection. When the first dataset is full the Near-Term History Data Collector switches to the next available dataset. When the last available dataset in the sequence is full, the Near-Term History Data Collector switches to the first dataset in the sequence again and overwrites the data in the first dataset. Each time the Near-Term History Data Collector switches to a full sequential dataset to overwrite it, you can archive its content to additional sequential datasets.

Dynamic sequential D
The Near-Term History Data Collector always allocates a new dataset when the currently used dataset becomes full. As a result, the collected data is not overwritten.

GDG G
In this case a Generation Data Group GDG is used. The mechanism is similar to the one described for the storage type Static sequential. When all datasets are full the Near-Term History Data Collector overwrites the trace data in the first dataset. However, in a GDG, the z/OS, not the Near-Term History Data Collector, switches between the different datasets generations. For this alternative archiving is not supported.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_STORE is set to VSAMSEQ,VSAMSEQTHVSAM,SEQTHVSAM)

Default value
S

Permissible values
S, D, G

Location where the parameter value is stored
This value is not stored in a configuration member.

PARMGEN name
KD2_PFnn_HIS_SEQ_TYP

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_UNIT1

Unit for sequential dataset 1

Description

Specify the unit name for the allocation of the historical sequential datasets. If the historical sequential datasets are not SMS-managed then this is a required entry. If your installation does not use the unit name, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
UNIT(<value>) +

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_SEQ_UNIT1

PARMGEN name
KD2_PFnn_HIS_SEQ_UNIT1

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_UNIT2

Unit for sequential dataset 2

Description

Specify the unit name for the allocation of the historical sequential datasets. See KD2_PFnn_HIS_SEQ_UNIT1 for details.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
UNIT(<value>) +

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_SEQ_UNIT2

PARMGEN name
KD2_PFnn_HIS_SEQ_UNIT2

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_UNIT3

Unit for sequential dataset 3

Description

Specify the unit name for the allocation of the historical sequential datasets. See KD2_PFnn_HIS_SEQ_UNIT1 for details.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`UNIT(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_SEQ_UNIT3

PARMGEN name
KD2_PFnn_HIS_SEQ_UNIT3

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_UNIT4

Unit for sequential dataset 4

Description

Specify the unit name for the allocation of the historical sequential datasets. See KD2_PFnn_HIS_SEQ_UNIT1 for details.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`UNIT(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_SEQ_UNIT4

PARMGEN name
KD2_PFnn_HIS_SEQ_UNIT4

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_UNIT5

Unit for sequential dataset 5

Description

Specify the unit name for the allocation of the historical sequential datasets. See KD2_PFnn_HIS_SEQ_UNIT1 for details.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`UNIT(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_SEQ_UNIT5

PARMGEN name
KD2_PFnn_HIS_SEQ_UNIT5

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_UNIT6

Unit for sequential dataset 6

Description

Specify the unit name for the allocation of the historical sequential datasets. See KD2_PFnn_HIS_SEQ_UNIT1 for details.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`UNIT(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_SEQ_UNIT6

PARMGEN name
KD2_PFnn_HIS_SEQ_UNIT6

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_UNIT7

Unit for sequential dataset 7

Description

Specify the unit name for the allocation of the historical sequential datasets. See KD2_PFnn_HIS_SEQ_UNIT1 for details.

Required or optional
Optional

Default value
%RTE_SMS_UNIT%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`UNIT(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Unit

Default value
&RTEU

Batch parameter name
KD2_PF_HIS_SEQ_UNIT7

PARMGEN name
KD2_PFnn_HIS_SEQ_UNIT7

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_VOLUME1

Volser for sequential dataset 1

Description

Specify the volume serial number for the allocation of the historical sequential dataset. If the historical sequential datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
VOLUME(<value>) +
```

PARMGEN name
KD2_PFnn_HIS_SEQ_VOLUME1

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_VOLUME2

Volser for sequential dataset 2

Description

Specify the volume serial number for the allocation of the historical sequential dataset. See KD2PF_HIS_SEQ_VOL1 for details.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
VOLUME(<value>) +
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Volser

Default value
&RTEV

Batch parameter name
KD2_PF_HIS_SEQ_VOL2

PARMGEN name
KD2_PFnn_HIS_SEQ_VOLUME2

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_VOLUME3

Volser for sequential dataset 3

Description

Specify the volume serial number for the allocation of the historical sequential dataset. See KD2PF_HIS_SEQ_VOL1 for details.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`VOLUME(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Volser

Default value
&RTEV

Batch parameter name
KD2_PF_HIS_SEQ_VOL3

PARMGEN name
KD2_PFnn_HIS_SEQ_VOLUME3

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_VOLUME4

Volser for sequential dataset 4

Description

Specify the volume serial number for the allocation of the historical sequential dataset. See KD2PF_HIS_SEQ_VOL1 for details.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
VOLUME(<value>) +

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Volser

Default value
&RTEV

Batch parameter name
KD2_PF_HIS_SEQ_VOL4

PARMGEN name
KD2_PFnn_HIS_SEQ_VOLUME4

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_VOLUME5

Volser for sequential dataset 5

Description

Specify the volume serial number for the allocation of the historical sequential dataset. See KD2PF_HIS_SEQ_VOL1 for details.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
VOLUME(<value>) +

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Volser

Default value
&RTEV

Batch parameter name
KD2_PF_HIS_SEQ_VOL5

PARMGEN name
KD2_PFnn_HIS_SEQ_VOLUME5

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_VOLUME6

Volser for sequential dataset 6

Description

Specify the volume serial number for the allocation of the historical sequential dataset. See KD2PF_HIS_SEQ_VOL1 for details.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`VOLUME(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Volser

Default value
&RTEV

Batch parameter name
KD2_PF_HIS_SEQ_VOL6

PARMGEN name
KD2_PFnn_HIS_SEQ_VOLUME6

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQ_VOLUME7

Volser for sequential dataset 7

Description

Specify the volume serial number for the allocation of the historical sequential dataset. See KD2PF_HIS_SEQ_VOL1 for details.

Required or optional
Optional

Default value
%RTE_SMS_VOLUME%

Location where the parameter value is stored
In the ALLOCDS member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
`VOLUME(<value>) +`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Volser

Default value
&RTEV

Batch parameter name
KD2_PF_HIS_SEQ_VOL7

PARMGEN name
KD2_PFnn_HIS_SEQ_VOLUME7

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQLOG1

The KD2_PFnn_HIS_SEQLOG1 parameter specifies names for up to 7 sequential data sets that will be created for trace data collection.

Description

A minimum of 2 data sets is required. Ensure that the set of historical sequential data sets is unique for each DB2 subsystem.

This field is only applicable if the storage type is VSAMSEQ, VSAMSEQTHVSAM, or SEQTHVSAM and the storage mechanism is STATIC SEQUENTIAL.

Required or optional
Optional (Required if KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
LISTCAT ENTRIES('<value>') NAME
```

Location 2
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line

```
ALLOC DSNAME('<value>') -
```

PARMGEN name
KD2_PFnn_HIS_SEQLOG1

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQLOG2

Sequential dataset 2

Description

Specify the name of sequential dataset 2. See KD2_PFnn_HIS_SEQLOG1 for details.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to C,Y and KD2_PF_HIS_SEQ_TYP is set to S)

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
LISTCAT ENTRIES('<value>') NAME
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ALLOC DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_HIS_SEQLOG2

PARMGEN name
KD2_PFnn_HIS_SEQLOG2

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQLOG3

Sequential dataset 3

Description

Specify the name of sequential dataset 3. See KD2_PFnn_HIS_SEQLOG1 for details.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
LISTCAT ENTRIES('<value>') NAME
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ALLOC DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_HIS_SEQLOG3

PARMGEN name
KD2_PFnn_HIS_SEQLOG3

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQLOG4

Sequential dataset 4

Description

Specify the name of sequential dataset 4. See KD2_PFnn_HIS_SEQLOG1 for details.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
LISTCAT ENTRIES('<value>') NAME
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
ALLOC DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_HIS_SEQLOG4

PARMGEN name
KD2_PFnn_HIS_SEQLOG4

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQLOG5

Sequential dataset 5

Description

Specify the name of sequential dataset 5. See KD2_PFnn_HIS_SEQLOG1 for details.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
LISTCAT ENTRIES('<value>') NAME
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
ALLOC DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_HIS_SEQLOG5

PARMGEN name
KD2_PFnn_HIS_SEQLOG5

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQLOG6

Sequential dataset 6

Description

Specify the name of sequential dataset 6. See KD2_PFnn_HIS_SEQLOG1 for details.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line

```
LISTCAT ENTRIES('<value>') NAME
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ALLOC DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_HIS_SEQLOG6

PARMGEN name
KD2_PFnn_HIS_SEQLOG6

PARMGEN classification
NTH

KD2_PFnn_HIS_SEQLOG7

Sequential dataset 7

Description

Specify the name of sequential dataset 7. See KD2_PFnn_HIS_SEQLOG1 for details.

Required or optional
Optional

Default value
None

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
LISTCAT ENTRIES('<value>') NAME
```

Location 2
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
ALLOC DSNAME('<value>') -
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PZ1

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_HIS_SEQLOG7

PARMGEN name
KD2_PFnn_HIS_SEQLOG7

PARMGEN classification
NTH

KD2_PFnn_HIS_SORT_SUMM

Collect sort summary data

Description

This specifies whether sort data is collected.

If Y is entered, the collector activates IFCIDs 95 and 96.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`SORT(<value>Y)`

PARMGEN name
KD2_PFnn_HIS_SORT_SUMM

PARMGEN classification
NTH

KD2_PFnn_HIS_START

Start Near-Term History

Description

Controls whether Near-Term History is to be configured and automatically started at Server startup.

Y
Configure and autostart Near-Term History.

C
Configure, but do not autostart Near-Term History. All required configuration members are generated and datasets are allocated. Near-Term History can be started via operator commands later. See Configuration and Customization Guide.

N
Near-Term History is not configured and as result cannot bestarted via operator command.

Required or optional
Required

Default value
N

Permissible values
Y, N, C

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261PX

Panel field
Start Near-Term History

Default value
N

Permissible values
Y, N, C

Batch parameter name
KD2_PF_HIS_START

PARMGEN name
KD2_PFnn_HIS_START

PARMGEN classification
NTH

KD2_PFnn_HIS_STORE

Storage type

Description

The data collected by Near-Term History is stored in VSAM datasets. If you want to make the data available for long-term history analysis with the Batch Reporter component, it has to be stored in sequential files in addition to VSAM datasets. If you want to collect Thread history data for Enhanced 3270UI, THVSAM should be specified. Specify one of the following values for storage type:

VSAM
Store the data to VSAM datasets for OMEGAMON DB2 Classic near-term-history (NTH) support.

VSAMSEQ
Store the data to VSAM datasets and sequential files for OMEGAMON DB2 Classic NTH support.

THVSAM
Store the data to VSAM datasets for Enhanced 3270UI Thread history support.

VSAMSEQTHVSAM
Store the data to VSAM datasets, sequential files for OMEGAMON DB2 Classic NTH support and VSAM datasets for Enhanced 3270UI Thread history support.

SEQTHVSAM
Store the data to sequential files for OMEGAMON Db2 Classic NTH Statistics support and VSAM data sets for Enhanced 3270UI Thread history support.

VSAMTHVSAM
Store the data to VSAM datasets for OMEGAMON DB2 Classic NTH support and VSAM datasets for Enhanced 3270UI Thread history support.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
VSAM

Permissible values
VSAM, VSAMSEQ, THVSAM, VSAMSEQTHVSAM, SEQTHVSAM, VSAMTHVSAM

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`WRITEOPTION(<value>)`

PARMGEN name
KD2_PFnn_HIS_STORE

PARMGEN classification
NTH

KD2_PFnn_HIS_SUBINT

Collection sub-interval

Description

Specifies the number of minutes or seconds to be used as the smallest time grouping for display of historical thread accounting data. The sub-interval should be specified as a period of time for convenient display of the threads executed. The more threads are executed per minute the smaller the sub-interval that you may want to specify.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
5

Minimum
1

Maximum
60

Locations where the parameter value is stored

Location 1
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`NTAINTERVAL(<value>.S)`

Location 2
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`NTAINTERVAL(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
Collection sub-interval

Default value
5

Minimum
1

Maximum
60

Batch parameter name
KD2_PF_HIS_SUBINT

PARMGEN name
KD2_PFnn_HIS_SUBINT

PARMGEN classification
NTH

KD2_PFnn_HIS_SUBINT_UNIT

Collection sub-interval time unit

Description

Specifies the collection sub-interval time unit to be used to display the historical thread accounting data. Specify M for minutes or S for seconds.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
M

Permissible values
M, S

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
Collection sub-interval unit

Default value
M

Permissible values
M, S

Batch parameter name
KD2_PF_HIS_SUBINT_UNIT

PARMGEN name
KD2_PFnn_HIS_SUBINT_UNIT

PARMGEN classification
NTH

KD2_PFnn_HIS_SUSPCOLL

Suspend data collection

Description

Specifies the option that controls memory usage by the Near-Term History Data Collector during times when no VSAM dataset is available. A VSAM file is considered unavailable from the time all allocated file space is used until the end of a successful flush job execution. The 'Y' option causes the collector to discard the collected trace data until a VSAM file becomes available for use. The 'N' option causes the Near-Term History Data Collector to accumulate trace data to memory until a VSAM file becomes available for use.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
Y

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
SUSPCOLL(<value>Y)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
Suspend data collection

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_HIS_SUSPCOLL

PARMGEN name
KD2_PFnn_HIS_SUSPCOLL

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MB

Primary space for the VSAM log data sets.

Description

Specify the primary space allocation used for the VSAM log data sets. Please refer to the Configuration and Customization Guide for information about VSAM data set space requirements.

This parameter depends on the unit for the primary log space set in KD2_PFnn_HIS_VSAM_SU.

CYLS
Specify the primary space for the VSAM log data sets in cylinders. The minimum is 3 and the maximum is 9999 cylinders.

Note: Depending on the disk device type, the maximum number of cylinders might need to be lower than 9999 to avoid exceeding the 2048 megabyte limit. For example, on a 3390 device, the limit of 2048 megabytes is reached with about 2600 cylinders.

MB
Specify the primary space for the VSAM log data sets in megabytes. The minimum is 1 and the maximum is 2048 megabytes.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
900

Minimum
1

Maximum
9999

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library.

Note: Also used in the standalone version of the thread history allocation jobs (TCRV&dbid thread history to allocate the %KD2_OMPE_VSAM_DSHLQ%.%DB%.RKTH* VSAMs for thread history), and HCRV&dbid Classic near-term history VSAMs %KD2_PF_HIS_LOGn%, which is the RKD2VSnn VSAMs for near-term history in the Classic interface).

Output line
```
CYLINDERS(<value> 0) -
```

Location 2
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MEGABYTES(<value> 0) -
```

Location 3
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
<KD2_PFnn_HIS_VSAM_SU>(<value> 0) -
```

PARMGEN name
KD2_PFnn_HIS_VSAM_MB

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MCLAS1

Management class for VSAM dataset 1

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
MGMTCLAS(<value>)
```

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
MGMTCLAS(<value>)
```

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_PF_HIS_VSAM_MCLAS1

PARMGEN name
KD2_PFnn_HIS_VSAM_MCLAS1

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MCLAS2

Management class for VSAM dataset 2

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_PF_HIS_VSAM_MCLAS2

PARMGEN name
KD2_PFnn_HIS_VSAM_MCLAS2

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MCLAS3

Management class for VSAM dataset 3

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_PF_HIS_VSAM_MCLAS3

PARMGEN name
KD2_PFnn_HIS_VSAM_MCLAS3

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MCLAS4

Management class for VSAM dataset 4

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_PF_HIS_VSAM_MCLAS4

PARMGEN name
KD2_PFnn_HIS_VSAM_MCLAS4

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MCLAS5

Management class for VSAM dataset 5

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_PF_HIS_VSAM_MCLAS5

PARMGEN name
KD2_PFnn_HIS_VSAM_MCLAS5

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MCLAS6

Management class for VSAM dataset 6

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_PF_HIS_VSAM_MCLAS6

PARMGEN name
KD2_PFnn_HIS_VSAM_MCLAS6

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_MCLAS7

Management class for VSAM dataset 7

Description

If the VSAM datasets are SMS-managed, then specify the SMS Management class to be used on the allocation. If your installation does not use the SMS MGMTCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_MGMTCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MGMTCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Mgmtclas

Default value
&RTESVMGT

Batch parameter name
KD2_PF_HIS_VSAM_MCLAS7

PARMGEN name
KD2_PFnn_HIS_VSAM_MCLAS7

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SCLAS1

Storage class for VSAM dataset 1

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_PF_HIS_VSAM_SCLAS1

PARMGEN name
KD2_PFnn_HIS_VSAM_SCLAS1

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SCLAS2

Storage class for VSAM dataset 2

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_PF_HIS_VSAM_SCLAS2

PARMGEN name
KD2_PFnn_HIS_VSAM_SCLAS2

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SCLAS3

Storage class for VSAM dataset 3

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can or if it is optional, you may leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`STORCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`STORCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_PF_HIS_VSAM_SCLAS3

PARMGEN name
KD2_PFnn_HIS_VSAM_SCLAS3

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SCLAS4

Storage class for VSAM dataset 4

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can or if it is optional, you may leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`STORCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`STORCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_PF_HIS_VSAM_SCLAS4

PARMGEN name
KD2_PFnn_HIS_VSAM_SCLAS4

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SCLAS5

Storage class for VSAM dataset 5

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can or if it is optional, you may leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_PF_HIS_VSAM_SCLAS5

PARMGEN name
KD2_PFnn_HIS_VSAM_SCLAS5

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SCLAS6

Storage class for VSAM dataset 6

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can or if it is optional, you may leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
ST0RCLAS(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_PF_HIS_VSAM_SCLAS6

PARMGEN name
KD2_PFnn_HIS_VSAM_SCLAS6

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SCLAS7

Storage class for VSAM dataset 7

Description

If the VSAM datasets are SMS-managed, then specify the SMS storage class to be used on the allocation. If your installation does not use the SMS STORCLAS parameter, you can or if it is optional, you may leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_STORCLAS%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`STORCLAS(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`STORCLAS(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Storclas

Default value
&RTEVSTOR

Batch parameter name
KD2_PF_HIS_VSAM_SCLAS7

PARMGEN name
KD2_PFnn_HIS_VSAM_SCLAS7

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_SU

Space units used for VSAM log datasets

Description

Specify the space units used for the VSAM log datasets allocation. The allowable values are MB - megabytes and CYLS - cylinders.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
MB

Permissible values
MB, CYLS

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
CYLINDERS(<value> 0) -
```

Location 2
In the ALLOCDS member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
MEGABYTES(<value> 0) -
```

Location 3
In the HCRVssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2SAM library

Output line
```
<value>(<KD2_PFnn_HIS_VSAM_MB> 0) -
```

PARMGEN name
KD2_PFnn_HIS_VSAM_SU

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_VOLUME1

Volser for VSAM dataset 1

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
VOLUME(<value>)
```

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
VOLUME(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_PF_HIS_VSAM_VOL1

PARMGEN name
KD2_PFnn_HIS_VSAM_VOLUME1

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_VOLUME2

Volser for VSAM dataset 2

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
VOLUME(<value>)

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
VOLUME(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_PF_HIS_VSAM_VOL2

PARMGEN name
KD2_PFnn_HIS_VSAM_VOLUME2

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_VOLUME3

Volser for VSAM dataset 3

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_PF_HIS_VSAM_VOL3

PARMGEN name
KD2_PFnn_HIS_VSAM_VOLUME3

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_VOLUME4

Volser for VSAM dataset 4

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_PF_HIS_VSAM_VOL4

PARMGEN name
KD2_PFnn_HIS_VSAM_VOLUME4

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_VOLUME5

Volser for VSAM dataset 5

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_PF_HIS_VSAM_VOL5

PARMGEN name
KD2_PFnn_HIS_VSAM_VOLUME5

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_VOLUME6

Volser for VSAM dataset 6

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_PF_HIS_VSAM_VOL6

PARMGEN name
KD2_PFnn_HIS_VSAM_VOLUME6

PARMGEN classification
NTH

KD2_PFnn_HIS_VSAM_VOLUME7

Volser for VSAM dataset 7

Description

Specify the volume serial numbers for the allocation of the VSAM datasets. If VSAM datasets are not to be SMS-managed, then this is a required entry. If your installation does not use the volume serial number, you can leave this field blank.

Required or optional
Optional

Default value
%RTE_SMS_VSAM_VOLUME%

Locations where the parameter value is stored

Location 1
In the ALLOCDS member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

Location 2
In the HCRVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`VOLUME(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P7

Panel field
Volser

Default value
&RTEVV

Batch parameter name
KD2_PF_HIS_VSAM_VOL7

PARMGEN name
KD2_PFnn_HIS_VSAM_VOLUME7

PARMGEN classification
NTH

KD2_PFnn_HIS_WHEN_AUTHID

Selection criteria AUTHID

Description

Specifies selection criteria based on AUTHID. For example, if AUTH1 and AUTH2 were specified for AUTHID, only data for threads with the specified authorization identifiers would be collected.

To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
None

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`AUTH(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
AUTHID

Default value
None

Batch parameter name
KD2_PF_HIS_WHEN_AUTHID

PARMGEN name
KD2_PFnn_HIS_WHEN_AUTHID

PARMGEN classification
NTH

KD2_PFnn_HIS_WHEN_CONNID

Selection criteria CONNID

Description

Specifies selection criteria based on CONNID. For example, if CON01 and CON02 were specified for CONNID, only data for threads that use the specified connections would be collected.

To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
None

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`CONN(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
CONNID

Default value
None

Batch parameter name
KD2_PF_HIS_WHEN_CONNID

PARMGEN name
KD2_PFnn_HIS_WHEN_CONNID

PARMGEN classification
NTH

KD2_PFnn_HIS_WHEN_CORRID

Selection criteria CORRID

Description

Specifies selection criteria based on CORRID. For example, if STC01 and STC02 were specified for CORRID, only data for threads with the specified correlation identifiers would be collected. To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
None

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`CORR(<value>)`

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
CORRID

Default value
None

Batch parameter name
KD2_PF_HIS_WHEN_CORRID

PARMGEN name
KD2_PFnn_HIS_WHEN_CORRID

PARMGEN classification
NTH

KD2_PFnn_HIS_WHEN_ORIG

Selection criteria ORIGAUTHID

Description

Specifies selection criteria based on ORIGAUTHID. To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
None

Location where the parameter value is stored
In the COPTssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
ORIGAUTH(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
ORIGAUTHID

Default value
None

Batch parameter name
KD2_PF_HIS_WHEN_ORIG

PARMGEN name
KD2_PFnn_HIS_WHEN_ORIG

PARMGEN classification
NTH

KD2_PFnn_HIS_WHEN_PLAN

Selection criteria PLANNAME

Description

Specifies selection criteria based on PLANNAME. For example, if CICSPR01 and CICSPR02 were specified for PLANNAME, only data for threads with the specified plannames would be collected.

To specify selection criteria, you can use the wildcard character *, which is for one or more characters, the suffix only, and the ?, which is for a single character.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
None

Location where the parameter value is stored
In the COPTssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
PLAN(<value>)

In the Configuration Tool (ICAT)

Panel name
Near-Term History

Panel ID
KD261P8

Panel field
PLANNAME

Default value
None

Batch parameter name
KD2_PF_HIS_WHEN_PLAN

PARMGEN name
KD2_PFnn_HIS_WHEN_PLAN

PARMGEN classification
NTH

KD2_PFnn_OA - Object analysis

The KD2_PFnn_OA parameters control the object analysis behavior in your environment.

Object analysis provides information about DB2 object allocations, object activities, volume activities, and data set extend activities. You can start object analysis in one of the following ways:

- Manually, using the START OBJECT ANALYSIS COLLECTORS panel. If there are significant levels of I/O activity on monitored DASD volumes in your environment, you can start this function manually to measure specific workloads or help manage isolated performance situations.
- Automatically, when the OMEGAMON® for Db2 PE server is activated. It is recommended that you do not automatically start object analysis in the AUTOSTART configuration.

By default, the Object Analysis function is shipped with a security level of 3, and requires that you enter a level 3 password to successfully complete the startup. If you want to use external security, you must have the appropriate resource class definition attached to your OMEGAMON for Db2 PE logon identifier. To start Object Analysis, you must first start OMEGAMON for Db2 PE Event Collection Manager (EVENTMGR).

OMEGAMON for Db2 PE provides object analysis data only for active DB2 objects.

Object analysis can only be performed on a single DB2 subsystem, no matter whether the subsystem is a member of a data sharing group or not.

KD2_PFnn_OA_ECM

Start Event collection manager

Description

The Event collection manager ECM provides an environment that is required for Object/Volume Analysis Collectors. The ECM does not cause much overhead. If you start the ECM at OMEGAMON Collector startup, then you can start Object/Volume Analysis from the Classic Interface later.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Object and Volume Analysis

Panel ID
KD261PM

Panel field
Start the Event Collection Manager

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_OA_ECM

PARMGEN name
KD2_PFnn_OA_ECM

PARMGEN classification
OBJ_ANAL

KD2_PFnn_OA_INTV

Object analysis collection info

Description

This specifies the time interval in minutes for the object analysis and the volume analysis collectors. The interval may be from 1 to 1440 minutes.

Required or optional
Optional (Required in case KD2_PF_OA_START is set to Y)

Default value
15

Minimum
1

Maximum
1440

Location where the parameter value is stored
In the OMOAssid member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line

```
F EVENTMGR,START DB2=%DB%,INTERVAL=<value>,THREAD=&THREAD
```

In the Configuration Tool (ICAT)

Panel name
Object and Volume Analysis

Panel ID
KD261PM

Panel field
Object analysis collection interval

Default value
15

Minimum
1

Maximum
1440

Batch parameter name
KD2_PF_OA_INTV

PARMGEN name
KD2_PFnn_OA_INTV

PARMGEN classification
OBJ_ANAL

KD2_PFnn_OA_START

Start Object Analysis

Description

Specify Y if you want to start Object/Volume Analysis for DB2 subsystems associated with this profile at startup of the OMEGAMON Collector.

Note that Object/Volume Analysis causes considerable overhead.Object/Volume Analysis can be started as needed via operator commands later. See Configuration and Customization Guide for details.

Required or optional
Optional (Required in case KD2_PF_OA_ECM is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMOAssid member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
STARTOA=<value>

In the Configuration Tool (ICAT)

Panel name
Object and Volume Analysis

Panel ID
KD261PM

Panel field
Start Object/Volume Analysis

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_OA_START

PARMGEN name
KD2_PFnn_OA_START

PARMGEN classification
OBJ_ANAL

KD2_PFnn_OA_THREAD

DB2 objects thread info

Description

This indicates whether thread information will be collected during object analysis.

Required or optional
Optional (Required in case KD2_PF_OA_START is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMOAssid member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
F EVENTMGR,START DB2=%DB%,INTERVAL=&O2EINT,THREAD=<value>

In the Configuration Tool (ICAT)

Panel name
Object and Volume Analysis

Panel ID
KD261PM

Panel field
Thread information on DB2 objects

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_OA_THRD

PARMGEN name
KD2_PFnn_OA_THREAD

PARMGEN classification
OBJ_ANAL

KD2_PFnn_OA_WAIT

Wait interval

Description

The Event Collection Manager must be active before Object/Volume Analysis can be started for a DB2 subsystem. The wait interval specifies the number of seconds that have to pass after ECM startup before the startup commands for Object/Volume Analysis are issued.

ECM is started implicitly when you configure Object Analysis to be auto-started at Common collector startup. If you specified a wait interval greater than 0 in several monitoring profiles that are used the maximum wait interval specified is used.

Required or optional
Optional (Required in case KD2_PF_OA_ECM is set to Y)

Default value
5

Minimum
0

Maximum
99

Location where the parameter value is stored
In the OMOAssid member of the *rhilev.midlev.rtename*.RKD2PRF library

Output line
`WAIT=<value>`

In the Configuration Tool (ICAT)

Panel name
Object and Volume Analysis

Panel ID
KD261PM

Panel field
Wait interval

Default value
5

Minimum
0

Maximum
99

Batch parameter name
KD2_PF_OA_WAIT

PARMGEN name
KD2_PFnn_OA_WAIT

PARMGEN classification
OBJ_ANAL

KD2_PFnn_READA - Monitoring

The KD2_PFnn_READA parameters control the monitoring behavior in your environment.

These parameter enable monitoring features including Db2 message monitoring and stored procedure monitoring.

KD2_PFnn_READA_OPBUFSIZE

The size of the OP buffer

Description

The size of the OP buffer used by the READA collector task to collect Db2 IFCIDs for all monitoring functions.

Required or optional
Required

Default value
16

Minimum
2

Maximum
64

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
RAC0PSIZE=<value>

In the Configuration Tool (ICAT)

Panel name
Additional Settings

Panel ID
KD2PPFAC

Panel field
OP Buffer Size

Default value
16

Minimum
2

Maximum
64

Batch parameter name
KD2_PF_READA_OPBUFSIZE

PARMGEN name
KD2_PFnn_READA_OPBUFSIZE

PARMGEN classification
READA

KD2_PFnn_READA_OPBUFTHR

The threshold for the OP buffer POST evt

Description

The threshold used to fire a POST event to the READA collector task. The threshold specifies the percentage of the OP buffer size that can be buffered before the monitor program ECB is posted. The ECB is posted when the amount of trace data collected has reached the value that is specified in the byte count field.

Required or optional
Required

Default value
6

Minimum
5

Maximum
75

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
RAC0PTHRSHLD=<value>

In the Configuration Tool (ICAT)

Panel name
Additional Settings

Panel ID
KD2PPFAC

Panel field
OP Buffer POST Threshold

Default value
5

Minimum
5

Maximum
75

Batch parameter name
KD2_PF_READA_OPBUFTHR

PARMGEN name
KD2_PFnn_READA_OPBUFTHR

PARMGEN classification
READA

KD2_PFnn_READA_SPMON

Starts the Stored Procedure monitor

Description

If Y is specified the SP monitor is started. The READA collector task is not started by default. However, if the SP monitor is activated the READA collector task gets automatically started. By starting the SP monitor, other monitor functions in the READA collectors task are not influenced. If the SP monitor is stopped and no other monitor function is started in the READA collector task, then the READA collector task is also stopped. When activating the SP monitor a DB2 trace command is started.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SPMON=<value>`

In the Configuration Tool (ICAT)

Panel name
Additional Settings

Panel ID
KD2PPFAC

Panel field
Start DB2 message monitoring

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_READA_SPMON

PARMGEN name
KD2_PFnn_READA_SPMON

PARMGEN classification
READA

KD2_PFnn_SH - Snapshot history

The KD2_PFnn_SH parameters control the snapshot history behavior in your environment.

Snapshot history data is useful, for example, if you want to examine activities leading to, and following, an exception without recreating the situation. The data is periodically stored by the OMEGAMON Collector in a wrap-around-managed snapshot history data set.

You can define how often the snapshots are stored by setting the sample interval time. The amount of stored snapshots depends on the snapshot data volume and the specified snapshot history data set size. When the defined maximum number of snapshots is exceeded, the oldest snapshot is deleted and the newest snapshot is added.

You can view this information through the history mode in the Performance Expert Client. This mode allows you to display recently stored snapshots at a specified point-in-time. You can then scroll forward and backward through the history of snapshot data to get a better understanding of what happened and to identify what caused the problem (for example, detected situations, bottlenecks, deadlocks, timeouts).

KD2_PFnn_SH_D2SHDATA

Data set statistics data

Description

Specifies whether data set statistics data is collected.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHDATASETSTATISTICS=(<value>,<KD2_PFnn_SH_D2SHDATI>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Data Set Statistics

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHDATA

PARMGEN name
KD2_PFnn_SH_D2SHDATA

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHDATI

Data set statistics interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect data set statistics data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHDATA is set to Y)

Default value
300

Minimum
1

Maximum
86400

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHDATASETSTATISTICS=(<KD2_PFnn_SH_D2SHDATA>,<value>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Data Set Statistics Interval

Default value
300

Minimum
1

Maximum
86400

Batch parameter name
KD2_PF_SH_D2SHDATI

PARMGEN name
KD2_PFnn_SH_D2SHDATI

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHKHST

Enable Snapshot history

Description

Used to specify whether Snapshot History data is to be collected.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SNAPSHOTHISTORY=<value>`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Enable Snapshot history

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHKHST

PARMGEN name
KD2_PFnn_SH_D2SHKHST

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHLTHD

Thread data including locking data

Description

Used to specify whether the collected thread data is to include locking data.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHTHDD is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
SHTHREADLOCK=<value>

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Thread Include Locking

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHLTHD

PARMGEN name
KD2_PFnn_SH_D2SHLTHD

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSPAI

System parameters interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect system parameters data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHSPAR is set to Y)

Default value
300

Minimum
1

Maximum
86400

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
SHSYSTEMPARAMETERS=(<KD2_PFnn_SH_D2SHSPAR>,<value>)

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
System Parameters Interval

Default value
300

Minimum
1

Maximum
86400

Batch parameter name
KD2_PF_SH_D2SHSPAI

PARMGEN name
KD2_PFnn_SH_D2SHSPAI

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSPAR

System Parameters data

Description

Specifies whether system parameters data is collected.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
SHSYSTEMPARAMETERS=(<value>,<KD2_PFnn_SH_D2SHSPAI>)

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
System Parameters

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHSPAR

PARMGEN name
KD2_PFnn_SH_D2SHSPAR

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSQLC

Dynamic Statement cache data

Description

Specifies whether dynamic statement cache data is collected.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHSQLCACHE=(<value>,<KD2_PFnn_SH_D2SHSQLI>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Dynamic Statement Cache

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHSQLC

PARMGEN name
KD2_PFnn_SH_D2SHSQLC

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSQLI

Dynamic statement cache interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect dynamic statement cache data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHSQLC is set to Y)

Default value
300

Minimum
1

Maximum
86400

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHSQLCACHE=(<KD2_PFnn_SH_D2SHSQLC>,<value>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Dynamic Statement Cache Interval

Default value
300

Minimum
1

Maximum
86400

Batch parameter name
KD2_PF_SH_D2SHSQLI

PARMGEN name
KD2_PFnn_SH_D2SHSQLI

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSQLT

Thread data including statement text

Description

Used to specify whether thread data collected for Snapshot history is to include SQL statement text.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHTHDD is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHTHREADSQL=<value>`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Thread Include Stmt Text

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHSQLT

PARMGEN name
KD2_PFnn_SH_D2SHSQLT

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSSZE

Archive size

Description

Used to specify the maximum size of the Snapshot History data set. The specified value is the size of the data set in megabytes.

Required or optional
Optional (required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
16

Minimum
4

Maximum
4096

Locations where the parameter value is stored

Location 1
In the OMDDssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
`MEGABYTES(<value>) -`

Location 2
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHDATASETSIZE=<value>`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Snaphshot history archive size

Default value
16

Minimum
4

Maximum
4096

Batch parameter name
KD2_PF_SH_D2SHSSZE

PARMGEN name
KD2_PFnn_SH_D2SHSSZE

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSTAI

Statistics interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect statistics data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHSTAT is set to Y)

Default value
120

Minimum
1

Maximum
86400

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHSTATISTICS=(<KD2_PFnn_SH_D2SHSTAT>,<value>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Statistics Interval

Default value
120

Minimum
1

Maximum
86400

Batch parameter name
KD2_PF_SH_D2SHSTAI

PARMGEN name
KD2_PFnn_SH_D2SHSTAI

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHSTAT

Collect Statistics data

Description

Specifies whether statistics data is to be collected.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHSTATISTICS=(<value>,<KD2_PFnn_SH_D2SHSTAI>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Statistics

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHSTAT

PARMGEN name
KD2_PFnn_SH_D2SHSTAT

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHTHDD

Thread data

Description

Specified whether thread data 'without SQL text and locking information' is collected.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHTHREAD=(<value>,<KD2_PFnn_SH_D2SHTHDI>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Thread

Default value
Y

Permissible values
Y, N

Batch parameter name
KD2_PF_SH_D2SHTHDD

PARMGEN name
KD2_PFnn_SH_D2SHTHDD

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SHTHDI

Thread information interval

Description

Specifies in seconds how often the OMEGAMON Collector is to collect thread data for later viewing. This value can be set from 1 second to 86400 seconds for one day.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y and KD2_PF_SH_D2SHTHDD is set to Y)

Default value
60

Minimum
1

Maximum
86400

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SHTHREAD=(<KD2_PFnn_SH_D2SHTHDD>,<value>)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PE

Panel field
Thread Interval

Default value
60

Minimum
1

Maximum
86400

Batch parameter name
KD2_PF_SH_D2SHTHDI

PARMGEN name
KD2_PFnn_SH_D2SHTHDI

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCON1

Filter 1 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
*

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ1=(...,CN='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Connection ID

Default value
*

Batch parameter name
KD2_PF_SH_D2SQCON1

PARMGEN name
KD2_PFnn_SH_D2SQCON1

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCON2

Filter 2 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
HQ2=(...,CN='<value>',...)

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Connection ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCON2

PARMGEN name
KD2_PFnn_SH_D2SQCON2

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCON3

Filter 3 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
HQ3=(...,CN='<value>',...)

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Connection ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCON3

PARMGEN name
KD2_PFnn_SH_D2SQCON3

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCON4

Filter 4 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ4=(...,CN='<value>'...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Connection ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCON4

PARMGEN name
KD2_PFnn_SH_D2SQCON4

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCON5

Filter 5 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ5=(...,CN='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Connection ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCON5

PARMGEN name
KD2_PFnn_SH_D2SQCON5

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCON6

Filter 6 DB2 connection ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ6=(...,CN='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Connection ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCON6

PARMGEN name
KD2_PFnn_SH_D2SQCON6

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCOR1

Filter 1 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
*

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ1=(...,CR='<value>')`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Correlation Name

Default value
*

Batch parameter name
KD2_PF_SH_D2SQCOR1

PARMGEN name
KD2_PFnn_SH_D2SQCOR1

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCOR2

Filter 2 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ2=(...,CR='<value>')`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Correlation Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCOR2

PARMGEN name
KD2_PFnn_SH_D2SQCOR2

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCOR3

Filter 3 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ3=(...,CR='<value>')`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Correlation Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCOR3

PARMGEN name
KD2_PFnn_SH_D2SQCOR3

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCOR4

Filter 4 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ4=(...,CR='<value>')`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Correlation Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCOR4

PARMGEN name
KD2_PFnn_SH_D2SQCOR4

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCOR5

Filter 5 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ5=(...,CR='<value>')`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Correlation Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCOR5

PARMGEN name
KD2_PFnn_SH_D2SQCOR5

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQCOR6

Filter 6 DB2 correlation ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ6=(...,CR='<value>')`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Correlation ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQCOR6

PARMGEN name
KD2_PFnn_SH_D2SQCOR6

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPLA1

Filter 1 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
*

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ1=(...,PL='<value>',..)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
DB2 Plan Name

Default value
*

Batch parameter name
KD2_PF_SH_D2SQPLA1

PARMGEN name
KD2_PFnn_SH_D2SQPLA1

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPLA2

Filter 2 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ2=(...,PL='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
DB2 Plan Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPLA2

PARMGEN name
KD2_PFnn_SH_D2SQPLA2

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPLA3

Filter 3 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ3=(...,PL='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
DB2 Plan Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPLA3

PARMGEN name
KD2_PFnn_SH_D2SQPLA3

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPLA4

Filter 4 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ4=(...,PL='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
DB2 Plan Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPLA4

PARMGEN name
KD2_PFnn_SH_D2SQPLA4

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPLA5

Filter 5 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ5=(...,PL='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
DB2 Plan Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPLA5

PARMGEN name
KD2_PFnn_SH_D2SQPLA5

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPLA6

Filter 6 DB2 Plan name

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ6=(...,PL='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
DB2 Plan Name

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPLA6

PARMGEN name
KD2_PFnn_SH_D2SQPLA6

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPRI1

Filter 1 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional (Required in case KD2_PF_SH_D2SHKHST is set to Y)

Default value
*

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ1=(PR='<value>'...`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Primary AUTH ID

Default value
*

Batch parameter name
KD2_PF_SH_D2SQPRI1

PARMGEN name
KD2_PFnn_SH_D2SQPRI1

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPRI2

Filter 2 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ2=(PR='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Primary AUTH ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPRI2

PARMGEN name
KD2_PFnn_SH_D2SQPRI2

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPRI3

Filter 3 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ3=(PR='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Primary AUTH ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPRI3

PARMGEN name
KD2_PFnn_SH_D2SQPRI3

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPRI4

Filter 4 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ4=(PR='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Primary AUTH ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPRI4

PARMGEN name
KD2_PFnn_SH_D2SQPRI4

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPRI5

Filter 5 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ5=(PR='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Primary AUTH ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPRI5

PARMGEN name
KD2_PFnn_SH_D2SQPRI5

PARMGEN classification
SS_HIS

KD2_PFnn_SH_D2SQPRI6

Filter 6 Primary AUTH ID

Description

Specify a qualifier or wildcard character to take the default. Any qualifiers that are not specified are set to an asterisk.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`HQ6=(PR='<value>',...)`

In the Configuration Tool (ICAT)

Panel name
Snapshot History

Panel ID
KD261PK

Panel field
Primary AUTH ID

Default value
None

Batch parameter name
KD2_PF_SH_D2SQPRI6

PARMGEN name
KD2_PFnn_SH_D2SQPRI6

PARMGEN classification
SS_HIS

KD2_PFnn_SQLID - SQL ID

The KD2_PFnn_SQLID parameters specify the SQL ID settings for your environment.

KD2_PFnn_SQLID

SQLID

Description

Customize a different SQLID if other than the default USER in the following xKD2SAM DB2 Grant jobs:

- EXGPssid
- EXGRssid
- OMGPssid: Grant DB2 privileges to each user ID that will work with the OMEGAMON Server
- OMGRssid: Grant DB2 privileges on the DB2 subsystem to the OMEGAMON Collector plan/package owner that are necessary to administer the collector

Required or optional
Required

Default value
USER

Locations where the parameter value is stored

Location 1
In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
SET CURRENT SQLID = <value>;
```

Location 2
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
SET CURRENT SQLID = <value>;
```

Location 3
In the OMGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
SET CURRENT SQLID = <value>;
```

Location 4
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
SET CURRENT SQLID = <value>;
```

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PF_SQLID

PARMGEN name
KD2_PFnn_SQLID

PARMGEN classification
OMPE

KD2_PFnn_SQLPA - Db2 SQL Performance Analyzer

The KD2_PFnn_SQLPA parameters specify the Db2 SQL Performance Analyzer settings for your environment.

Db2 SQL Performance Analyzer provides you with an extensive analysis of SQL queries without executing them. This analysis helps you in tuning your queries to achieve maximum performance. Db2 SQL Performance Analyzer can analyze new access paths, determine if action is needed, and estimate the costs of new paths in database resources consumed.

With Db2 SQL Performance Analyzer you can reduce the escalating costs of database queries by estimating their cost prior to execution. It delivers an Easy Explain function that provides an alternate view of the Explain data. Comparison of old and new plans is supported, along with Retro-Explain for Access plans, helping you to find out how long queries will take and to prevent queries from running too long. It can also aid in the migration of catalog statistics to test machines for in-depth analysis of production applications.

KD2_PFnn_SQLPA_CF_ANLC

Fully qualified SQL PA ANLC config

Description

Specify the fully qualified SQL PA ANL Control configuration.

Required or optional
Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y and KD2_PF_SQLPA_CF_ENBL is set to Y)

Default value
SYS1.DB2.SQLPA(ANLC)

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SQLPAANLCNTL=<value>`

In the Configuration Tool (ICAT)

Panel name
SQL Performance Analyzer

Panel ID
KD261PQ

Panel field
ANL Control

Default value
None

Batch parameter name
KD2_PF_SQLPA_CF_ANLC

PARMGEN name
KD2_PFnn_SQLPA_CF_ANLC

PARMGEN classification
SQLPA

KD2_PFnn_SQLPA_CF_ANLP

Fully qualified SQL PA ANLP config

Description

Specify the fully qualified SQL PA ANL Parm configuration.

Required or optional
Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y and KD2_PF_SQLPA_CF_ENBL is set to Y)

Default value
SYS1.DB2.SQLPA(ANLP)

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SQLPAANLPARM=<value>`

In the Configuration Tool (ICAT)

Panel name
SQL Performance Analyzer

Panel ID
KD261PQ

Panel field
ANL Parm

Default value
None

Batch parameter name
KD2_PF_SQLPA_CF_ANLP

PARMGEN name
KD2_PFnn_SQLPA_CF_ANLP

PARMGEN classification
SQLPA

KD2_PFnn_SQLPA_CF_ENBL

Enable use of SQL PA configuration

Description

Used to specify whether an existent SQL Performance Analyzer configuration is to be used:

Y
The SQL Performance Analyzer configuration is used.

N
The SQL Performance Analyzer configuration is not used.

In version 520 and above, this parameter must be set to Y.

Required or optional
Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y)

Default value
Y

Permissible values
Y

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
SQL Performance Analyzer

Panel ID
KD261PQ

Panel field
Use existing SQL Performance Analyzer configuration

Default value
Y

Permissible values
Y

Batch parameter name
KD2_PF_SQLPA_CF_ENBL

PARMGEN name
KD2_PFnn_SQLPA_CF_ENBL

PARMGEN classification
SQLPA

KD2_PFnn_SQLPA_ENABLE

Enable SQL Performance Analyzer

Description

Used to specify whether the SQL Performance Analyzer is to be configured. Specify one of the following values:

Y
The SQL Performance Analyzer is to be configured.

N
The SQL Performance Analyzer is not to be configured.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
SQL Performance Analyzer

Panel ID
KD261PQ

Panel field
Enable SQL Performance Analyzer

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_SQLPA_ENABLE

PARMGEN name
KD2_PFnn_SQLPA_ENABLE

PARMGEN classification
SQLPA

KD2_PFnn_SQLPA_STEPDSN

Fully qualified SQL PA STEPLIB dsn

Description

Specify the fully qualified SQL PA STEPLIB data set name. Refer to the IBM DB2 SQL Performance Analyzer for z/OS Installation Guide for detailed installation and customization information.

Required or optional
Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y)

Default value
SYS1.DB2.SQLPA

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SQLPASTEPLIB=<value>`

In the Configuration Tool (ICAT)

Panel name
SQL Performance Analyzer

Panel ID
KD261PQ

Panel field
Dataset name

Default value
None

Batch parameter name
KD2_PF_SQLPA_STEPDSN

PARMGEN name
KD2_PFnn_SQLPA_STEPDSN

PARMGEN classification
SQLPA

KD2_PFnn_SQLPA_VERSION

DB2 version for SQLPA

Description

This is the version of the SQL Performance Analyzer. Valid values are 4.2 and 5.1

Required or optional
Optional (Required in case KD2_PF_SQLPA_ENABLE is set to Y)

Default value
5.1

Permissible values
4.2, 5.1

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
SQLPAVERSION=<value>

In the Configuration Tool (ICAT)

Panel name
SQL Performance Analyzer

Panel ID
KD261PQ

Panel field
Version

Default value
5.1

Permissible values
4.2, 5.1

Batch parameter name
KD2_PF_SQLPA_VERSION

PARMGEN name
KD2_PFnn_SQLPA_VERSION

PARMGEN classification
SQLPA

KD2_PFnn_THRDHIS - Thread history

The KD2_PFnn_THRDHIS parameters control the thread history behavior in your environment.

KD2_PFnn_THRDHIS_DYN_SQL

Collect dynamic SQL data

Description

This specifies whether dynamic SQL text and access path information is collected.

If Y is entered, the collector activates IFCIDs 22,63,105,107.

If F is entered, the collector activates IFCIDs 22,350,105,107. IFCID 350 records the complete text of a parsed SQL statement, while IFCID 63 is limited to the first 5000 bytes of a SQL statement.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Permissible values
Y, N, F

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
THRDSQL(<value>Y)

PARMGEN name
KD2_PFnn_THRDHIS_DYN_SQL

PARMGEN classification
NTH

KD2_PFnn_THRDHIS_LOCK_CNTN

Collect Lock contention data

Description

This specifies whether lock timeout and deadlock information is collected.

If Y is entered, the collector activates IFCIDs 172,196,105,107.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`THRDCONT(<value>Y)`

PARMGEN name
KD2_PFnn_THRDHIS_LOCK_CNTN

PARMGEN classification
NTH

KD2_PFnn_THRDHIS_LOCK_SUSP

Collect lock suspension data

Description

This specifies whether lock wait information for local resources is collected.

If Y is entered, the collector activates IFCIDs 44,45,213,214,105,107.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`THRDSUSP(<value>Y)`

PARMGEN name
KD2_PFnn_THRDHIS_LOCK_SUSP

PARMGEN classification
NTH

KD2_PFnn_THRDHIS_LOG_NUM

Number of Thread History VSAM datasets

Description

Specify the number of VSAM datasets to be used for Thread History collection for Enhanced 3270UI. You can specify 3 to 60. The default is 7.

This field is only applicable if you specified THVSAM, VSAMSEQTHVSAM, SEQTHVSAM, VSAMTHVSAM as the storage mechanism to be used for Near Term History.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
7

Minimum
3

Maximum
60

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`THRDLOG(<value>)`

PARMGEN name
KD2_PFnn_THRDHIS_LOG_NUM

PARMGEN classification
NTH

KD2_PFnn_THRDHIS_SCAN_SUMM

Collect scan summary data

Description

This specifies whether scan data is collected.

If Y is entered, the collector activates IFCIDs 15,16,17,18.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
`THRDSCAN(<value>Y)`

PARMGEN name
KD2_PFnn_THRDHIS_SCAN_SUMM

PARMGEN classification
NTH

KD2_PFnn_THRDHIS_SORT_SUMM

Collect sort summary data

Description

This specifies whether sort data is collected.

If Y is entered, the collector activates IFCIDs 95 and 96.

Required or optional
Optional (Required in case KD2_PF_HIS_START is set to Y)

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the COPTssid member of the %RTE_HILEV%.%RTE_NAME%.RKD2PAR library

Output line
THRDSORT(<value>Y)

PARMGEN name
KD2_PFnn_THRDHIS_SORT_SUMM

PARMGEN classification
NTH

KD2_PFnn_TRACES - Db2 traces

The KD2_PFnn_TRACES parameters control the Db2 trace command behavior in your environment.

You can specify additional Db2 trace commands to be started automatically when OMEGAMON for Db2 Performance Expert starts. Use the following parameters to provide valid **START TRACE** commands. When OMEGAMON for Db2 Performance Expert shuts down, the traces are not stopped.

KD2_PFnn_TRACES_318

Start IFCID 318

Description

Used to specify whether a start trace command should be issued for IFCID 318. IFCID 318 is a switch that causes DB2 to collect detailed information on SQL statements in the dynamic statement cache. The collected information is externalized by means of IFCID 316.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Start Additional DB2 Traces

Panel ID
KD2PTRAC

Panel field
IFCID 318 (Dynamic SQL statement cache)

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_TRACES_318

PARMGEN name
KD2_PFnn_TRACES_318

PARMGEN classification
DB2

KD2_PFnn_TRACES_400

Start IFCID 400

Description

Used to specify whether a start trace command should be issued for IFCID 400. IFCID 400 is a switch that causes DB2 to collect detailed information on static SQL statement in the EDM pool. The collected information is externalized by means of IFCID 401. The default is N.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)

Panel name
Start Additional DB2 Traces

Panel ID
KD2PTRAC

Panel field
IFCID 400 (Static SQL statement cache)

Default value
N

Permissible values
Y, N

Batch parameter name
KD2_PF_TRACES_400

PARMGEN name
KD2_PFnn_TRACES_400

PARMGEN classification
DB2

KD2_PFnn_TRACES_DB2CMD2

DB2 Command 2

Description

You can enter any valid DB2 command in this field. For each DB2 subsystem that is monitored by the OEMGAMON Collector a PE Server subtask is started. The DB2 command specified here is issued as part of the start sequence of the PE Server subtask.

Your input for these fields is not validated. You have to make sure that you enter a valid DB2 command. If the DB2 command is not correct the return code is written to the SYSPRINT of the OMEGAMON Collector at startup.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`DB2COMMAND='<value>'`

In the Configuration Tool (ICAT)

Panel name
Start Additional DB2 Traces

Panel ID
KD2PTRAC

Panel field
DB2 command

Default value
None

Batch parameter name
KD2_PF_TRACES_DB2CMD2

PARMGEN name
KD2_PFnn_TRACES_DB2CMD2

PARMGEN classification
DB2

KD2_PFnn_TRACES_DB2CMD3

DB2 Command 3

Description

You can enter any valid DB2 command in this field. For each DB2 subsystem that is monitored by the OEMGAMON Collector a PE Server subtask is started. The DB2 command specified here is issued as part of the start sequence of the PE Server subtask.

Note:Your input for these fields is not validated. You have to make sure that you enter a valid DB2 command. If the DB2 command is not correct the return code is written to the SYSPRINT of the OMEGAMON Collector at startup.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`DB2COMMAND='<value>'`

In the Configuration Tool (ICAT)

Panel name
Start Additional DB2 Traces

Panel ID
KD2PTRAC

Panel field
DB2 command

Default value
None

Batch parameter name
KD2_PF_TRACES_DB2CMD3

PARMGEN name
KD2_PFnn_TRACES_DB2CMD3

PARMGEN classification
DB2

KD2_PFnn_TRACES_DB2CMD4

DB2 Command 4

Description

You can enter any valid DB2 command in this field. For each DB2 subsystem that is monitored by the OEMGAMON Collector a PE Server subtask is started. The DB2 command specified here is issued as part of the start sequence of the PE Server subtask.

Note:Your input for these fields is not validated. You have to make sure that you enter a valid DB2 command. If the DB2 command is not correct the return code is written to the SYSPRINT of the OMEGAMON Collector at startup.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the OMPEssid member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`DB2COMMAND='<value>'`

In the Configuration Tool (ICAT)

Panel name
Start Additional DB2 Traces

Panel ID
KD2PTRAC

Panel field
DB2 command

Default value
None

Batch parameter name
KD2_PF_TRACES_DB2CMD4

PARMGEN name
KD2_PFnn_TRACES_DB2CMD4

PARMGEN classification
DB2

KD2_PLAN - Plan

The KD2_PLAN parameters specify the plan setting for your environment.

KD2_PLAN_NAME_OVERRIDE

Customize DB2 plan names

Description

Customize a different DB2 plan name if you want to override the internal DB2 plan name PLAN(DSNTIAvv) in the following Bind/Grant-type xKD2SAM DB2 jobs: (where vv = 1:2 digits of ssid)

- EXCQssid
- EXCTssid
- EXCVssid
- EXC0ssid
- EXC1ssid
- EXC2ssid
- EXC3ssid
- EXC8ssid
- EXDVssid
- EXGPssid
- EXGRssid
- OMGPssid
- OMGRssid
- PWGAssid
- PWG1ssid
- PWG2ssid

Required or optional
Required

Default value
None

Locations where the parameter value is stored

Location 1
In the EXCQssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 2
In the EXCTssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 3
In the EXCVssid member of the *rhilev*.*midlev*.*rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 4
In the EXC0ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 5
In the EXC1ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 6
In the EXC2ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 7
In the EXC3ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 8
In the EXC8ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 9
In the EXDVssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 10
In the EXGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 11
In the EXGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 12
In the OMGPssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 13
In the OMGRssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 14
In the PWGAssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 15
In the PWG1ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

Location 16
In the PWG2ssid member of the *rhilev.midlev.rtename*.RKD2SAM library

Output line
```
RUN PROGRAM(<value>) PLAN(%KD2_I_DB2_PLAN%) -
```

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_PLAN_NAME_OVERRIDE

PARMGEN name
KD2_PLAN_NAME_OVERRIDE

PARMGEN classification
OMPE

KD2_X - Service

The KD2_X parameters are service parameters. Do not change these parameters without guidance of IBM Software Support.

KD2_X_DB2_CONFIRM_SHUTDOWN

Confirm shutdown option

Description

This sets the maximum number of seconds between two successive SHUTDOWN commands or MVS STOP (P) commands to terminate the OMEGAMON XE for DB2 PE address space.

CONFIRM(0)
Allows TMS:Engine shutdown to begin immediately without an additional, confirming SHUTDOWN command.

CONFIRM(n)
Prevents accidental shutdowns by requiring you to confirm the command by entering it a second time within the specified number of seconds.

For example, CONFIRM(15) requires you enter SHUTDOWN twice within 15 seconds to terminate the address space.

The default for OMEGAMON XE for DB2 PE CONFIRM is 0 which is also the TEMS default.

Required or optional
Required

Default value
0

Minimum
0

Maximum
15

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
```
CONFIRM(<value>)
```

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_CONFIRM_SHUTDOWN

PARMGEN name
KD2_X_DB2_CONFIRM_SHUTDOWN

PARMGEN classification
INIT

KD2_X_DB2_DEBUG_TRACE

TMS:Engine Debugging Services

Description

Do not modify this parameter except under the guidance of IBM software Support.

This parameter specifies whether TMS:Engine debugging services are to be activated.

Y
Basic debugging information will be recorded.

N
Basic debugging information will not be recorded.

DEBUG and STGDEBUG (KD2_X_DB2_STORAGE_STGDEBUG) may affect each other. If DEBUG(Y) is specified and STGDEBUG is omitted, basic storage debugging is turned on, causing an increase in storage use.

STGDEBUG must also be specified after DEBUG in the initialization deck for proper functioning of these turned on, causing an increase in storage use. parameters. DEBUG will override STGDEBUG if it follows STGDEBUG.

Required or optional
Required

Default value
N

Permissible values
Y, N

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`DEBUG(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_DEBUG_TRACE

PARMGEN name
KD2_X_DB2_DEBUG_TRACE

PARMGEN classification
DEBUG

KD2_X_DB2_FRAME_STACK_SIZE

Initial Save Area Stack Size

Description

FRAME specifies the size of the initial save area stack TMS:Engine allocates for each of its tasks.

Required or optional
Required

Default value
900

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`FRAME(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_FRAME_STACK_SIZE

PARMGEN name
KD2_X_DB2_FRAME_STACK_SIZE

PARMGEN classification
STORAGE

KD2_X_DB2_LGSA_VERIFY

Verify $GSA address availability

Description

Do not modify this parameter except under the guidance of IBM software Support.

Determines wheter TMS:Engine checks that the $GSA address is available. Y or N are the only options.

Y
Means you want to check if available.

N
Means you do not want to check if available.

The default for OMEGAMON XE for DB2 PE LGSA is Y which is the TEMS default.

Required or optional
Required

Default value
Y

Permissible values
Y, N

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`LGSA(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_LGSA_VERIFY

PARMGEN name
KD2_X_DB2_LGSA_VERIFY

PARMGEN classification
INIT

KD2_X_DB2_LSRPOOL_BUFFER_NUM1

Number of buffers

Description

Number of virtual storage buffers to be allocated for buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(2048,8). This parameter is related to KD2_X_DB2_LSRPOOL_BUFSIZE1.

Required or optional
Required

Default value
8

Minimum
3

Maximum
65535

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`LSRPOOL(<KD2_X_DB2_LSRPOOL_BUFSIZE1>,<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_LSRPOOL_BUFFER_NUM1

PARMGEN name
KD2_X_DB2_LSRPOOL_BUFFER_NUM1

PARMGEN classification
STORAGE

KD2_X_DB2_LSRPOOL_BUFFER_NUM2

Number of buffers

Description

Number of virtual storage buffers to be allocated for buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(4096,32). This parameter is related to KD2_X_DB2_LSRPOOL_BUFSIZE2.

Required or optional
Required

Default value
32

Minimum
3

Maximum
65535

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
LSRPOOL(<KD2_X_DB2_LSRPOOL_BUFSIZE2>,<value>)

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_LSRPOOL_BUFFER_NUM2

PARMGEN name
KD2_X_DB2_LSRPOOL_BUFFER_NUM2

PARMGEN classification
STORAGE

KD2_X_DB2_LSRPOOL_BUFFER_NUM3

Number of buffers

Description

Number of virtual storage buffers to be allocated for buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(32768,3). This parameter is related to KD2_X_DB2_LSRPOOL_BUFSIZE3.

Required or optional
Required

Default value
3

Minimum
3

Maximum
65535

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
LSRPOOL(<KD2_X_DB2_LSRPOOL_BUFSIZE3>,<value>)

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_LSRPOOL_BUFFER_NUM3

PARMGEN name
KD2_X_DB2_LSRPOOL_BUFFER_NUM3

PARMGEN classification
STORAGE

KD2_X_DB2_LSRPOOL_BUFSIZE1

Size of virtual storage buffer in pool

Description

Size in bytes of each virtual storage buffer in buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

Permissible values: 512, 1024, 2048, 4096, 8192, 12288, 16384, 20480, 24576, 28672, or 32768.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(2048,8). This parameter is related to KD2_X_DB2_LSRPOOL_BUFFER_NUM1.

Required or optional
Required

Default value
2048

Minimum
512

Maximum
32768

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`LSRPOOL(<value>,<KD2_X_DB2_LSRPOOL_BUFFER_NUM1>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_LSRPOOL_BUFSIZE1

PARMGEN name
KD2_X_DB2_LSRPOOL_BUFSIZE1

PARMGEN classification
STORAGE

KD2_X_DB2_LSRPOOL_BUFSIZE2

Size of virtual storage buffer in pool

Description

Size in bytes of each virtual storage buffer in buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

Permissible values: 512, 1024, 2048, 4096, 8192, 12288, 16384, 20480, 24576, 28672, or 32768.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(4096,32). This parameter is related to KD2_X_DB2_LSRPOOL_BUFFER_NUM2.

Required or optional
Required

Default value
4096

Minimum
512

Maximum
32768

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`LSRPOOL(<value>,<KD2_X_DB2_LSRPOOL_BUFFER_NUM2>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_LSRPOOL_BUFSIZE2

PARMGEN name
KD2_X_DB2_LSRPOOL_BUFSIZE2

PARMGEN classification
STORAGE

KD2_X_DB2_LSRPOOL_BUFSIZE3

Size of virtual storage buffer in pool

Description

Size in bytes of each virtual storage buffer in buffer pool "n" in the VSAM resource pool. You must specify a size for each buffer pool individually. You cannot string the definitions because they must be specified individually.

Permissible values: 512, 1024, 2048, 4096, 8192, 12288, 16384, 20480, 24576, 28672, or 32768.

This parameter has size of buffers and number of buffer and is specified as LSRPOOL(32768,3). This parameter is related to KD2_X_DB2_LSRPOOL_BUFFER_NUM3.

Required or optional
Required

Default value
32768

Minimum
512

Maximum
32768

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`LSRPOOL(<value>,<KD2_X_DB2_LSRPOOL_BUFFER_NUM3>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_LSRPOOL_BUFSIZE3

PARMGEN name
KD2_X_DB2_LSRPOOL_BUFSIZE3

PARMGEN classification
STORAGE

KD2_X_DB2_SDUMP_SVC_SYS1_DUMP

Confirm shutdown option

Description

SDUMP specifies the type of dump CT/Engine takes whenever an abend occurs.

Y
CT/Engine will issue the MVS SDUMP macro to take a dump to the system's dump data sets. This is the default if the CT/Engine jobstep is APF-authorized.

N
CT/Engine will not issue SDUMP. This is the default when the jobstep is not authorized.

S
CT/Engine will write only a summary dump to the RKLVSNAP DD statement. Please note that IBM Support Services cannot perform problem diagnosis with only a summary dump.

M
CT/Engine will request a machine readable dump to the SYSMDUMP DD statement.

Usage Notes:

1. If SDUMP(N) is specified or defaulted, CT/Engine will take a formatted dump to the RKLVSNAP data set.
2. If SDUMP(Y) is specified or defaulted, but the SVC dump fails (perhaps the data set is too small), CT/Engine will proceed as if SDUMP(N) was coded.
3. In all cases a summary listing of the abend is written to RKLVSNAP. The list will contain an abend summary and a dispatcher summary.
4. If you specify SDUMP(Y), the address space must be APF-authorized; otherwise it will abend. Authorization is not required for the other options.
5. We recommend that you allow SDUMP to default to the appropriate value.
6. SYSMDUMP dumps are the same as SVC dumps and must be analyzed using IPCS.
7. SVC and SYSMDUMP dumps provide several benefits. They complete faster than the formatted dump, reducing the time the address space is non-dispatchable. They cost less to ship than paper dumps. IBM support personnel can perform problem determination faster, using specialized IPCS verb exits and formatting routines.
8. Only the first dump taken will be written to the SYSMDUMP data set unless the CT/Engine JCL specifies DISP=MOD. In that case subsequent dumps are appended to the end of the data set.
9. CT/Engine automatically initializes the SYSMDUMP data set with an end-of-file mark during start up. Unless DISP=MOD is specified, any existing dumps in the data set will be overwritten.
10. If SDUMP(M) is specified, and the SYSMDUMP DD is missing or the data set initialization fails, an error message is issued and CT/Engine terminates.
11. For more information regarding SYSMDUMP processing, refer to IBM's Planning: Problem Determination and Recovery.

Required or optional
Optional

Default value
Y

Permissible values
Y, N, M, S

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`SDUMP(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_SDUMP_SVC_SYS1_DUMP

PARMGEN name
KD2_X_DB2_SDUMP_SVC_SYS1_DUMP

PARMGEN classification
INIT

KD2_X_DB2_STG_QUIESCE_MODE_MSG

Storage Monitor Interval

Description

This parameter specifies The storage monitoring report interval, in minutes. Specify 0 to disable the interval messages will be issued only when short on storage is detected and when it is relieved.

Required or optional
Optional

Default value
0

Minimum
0

Maximum
120

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`STGMON(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_STG_QUIESCE_MODE_MSG

PARMGEN name
KD2_X_DB2_STG_QUIESCE_MODE_MSG

PARMGEN classification
STORAGE

KD2_X_DB2_STORAGE_LIMIT_EXTEND

LIMIT parameter in RKD2PAR(KD2SYSIN)

Description

This parameter specifies the maximum size for the TMS:Engine primary storage (above-the-line) request. The maximum extended storage request size is specified as a power of 2.

The minimum extended storage size is 16, which specifies a limit of 64K. The maximum is 25, which specifies a limit of 625K.

Required or optional
Required

Default value
18

Minimum
16

Maximum
25

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
LIMIT(<value>,X)

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_STORAGE_LIMIT_EXTEND

PARMGEN name
KD2_X_DB2_STORAGE_LIMIT_EXTEND

PARMGEN classification
STORAGE

KD2_X_DB2_STORAGE_LIMIT_PRIMARY

Primary maximum storage request

Description

This parameter specifies the maximum size for the TMS:Engine primary storage request. The maximum primary storage request size is specified as a power of 2. The minimum primary storage size is 16, which specifies a limit of 64K. The maximum is 25, which specifies a limit of 625K.

Required or optional
Required

Default value
16

Minimum
16

Maximum
25

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
LIMIT(<value>,P)

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_STORAGE_LIMIT_PRIMARY

PARMGEN name
KD2_X_DB2_STORAGE_LIMIT_PRIMARY

PARMGEN classification
STORAGE

KD2_X_DB2_STORAGE_MIN_EXTEND

Extended minimum storage request

Description

This parameter specifies the minimum amount of extended storage that will be allocated. Extended storage is above the 16-Megabyte line.

If you want to use extended storage, you must code a non-zero value for the minimum parameter. This parameter is related to KD2_X_DB2_STORAGE_MIN_PRIMARY.

Required or optional
Required

Default value
8192

Minimum
0

Maximum
9999999

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`MINIMUM(<value>,X)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_STORAGE_MIN_EXTEND

PARMGEN name
KD2_X_DB2_STORAGE_MIN_EXTEND

PARMGEN classification
STORAGE

KD2_X_DB2_STORAGE_MIN_PRIMARY

Primary minimum storage request

Description

This parameter specifies the minimum amount of primary storage that will be allocated. Primary storage is below the 16-Megabyte line.

If you want to use extended storage, you must code a non-zero value for the minimum parameter below the 16-Megabyte line. This parameter is related to KD2_X_DB2_STORAGE_MIN_EXTEND.

Required or optional
Required

Default value
512

Minimum
0

Maximum
9999999

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`MINIMUM(<value>,P)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_STORAGE_MIN_PRIMARY

PARMGEN name
KD2_X_DB2_STORAGE_MIN_PRIMARY

PARMGEN classification
STORAGE

KD2_X_DB2_STORAGE_STGDEBUG

Storage Debugging Services

Description

Do not modify this parameter except under the guidance of IBM software Support.

This parameter specifies whether TMS:Engine storage debugging services are to be activated.

N
Storage debugging information will not be recorded.

Y
Basic storage debugging information will be recorded.

X
Extended storage debugging information will be recorded.

DEBUG (KD2_X_DB2_DEBUG_TRACE) and STGDEBUG may affect each other. If DEBUG(Y) is specified and STGDEBUG is omitted, basic storage debugging is turned on, causing an increase in storage use.

STGDEBUG must also be specified after DEBUG in the initialization deck for proper functioning of these turned on, causing an increase in storage use. DEBUG will override STGDEBUG if it follows STGDEBUG.

Required or optional
Optional

Default value
N

Permissible values
Y, N, X

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev.midlev.rtename*.RKD2PAR library

Output line
`STGDEBUG(<value>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_STORAGE_STGDEBUG

PARMGEN name
KD2_X_DB2_STORAGE_STGDEBUG

PARMGEN classification
DEBUG

KD2_X_DB2_WTO_ROUTE_TYPE

Message type for WTO Route code handling

Description

This parameter specifies the message type that should have special WTO route code handling. Possible values are: ALERT, ERROR, INFO, LOG, REPLY, USER, VIEW, WARN.

This parameter has type and code and is specified as WTORC(ALERT,11). This parameter is related to KD2_X_DB2_WTO_ROUTE_CODE.

Required or optional
Optional

Default value
ALERT

Permissible values
ALERT, ERROR, INFO, LOG, REPLY, USER, VIEW, WARN

Location where the parameter value is stored
In the KD2SYSIN member of the *rhilev*.*midlev*.*rtename*.RKD2PAR library

Output line
`WTORC(<value>,<KD2_X_DB2_WTO_ROUTE_CODE>)`

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD2_X_DB2_WTO_ROUTE_TYPE

PARMGEN name
KD2_X_DB2_WTO_ROUTE_TYPE

PARMGEN classification
INIT

Chapter 6. KD5 - OMEGAMON TEMA

The KD5 parameters configure and control the OMEGAMON Tivoli Enterprise Monitoring Agent (TEMA).

The TEMA monitors and collects performance data from a managed system. TEMAs are installed on the systems or subsystems you want to monitor and communicate with a single Tivoli® Enterprise Monitoring Server (remote or hub). They provide data and performance information to the Tivoli Enterprise Monitoring Server and receive instructions from the Tivoli Enterprise Monitoring Server. They are also able to issue commands to the system or application you are monitoring, either on request or as the result of automation triggered by a situation.

KD5_AUTO

DB2 Autodiscovery flag

Description

Specify Y if subsystem autodiscovery is to be enabled. With this product, a feature to allow the automatic detection of startup and termination of DB2 subsystems is supported. Collection probes for the subsystems are automatically started and stopped upon detection of subsystem activity.

This autodiscovery function is supported by the DPDC AUTODISCOVER command. When the DPDC AUTODISCOVER command is specified, it starts a new monitoring thread in the CMS address space at startup time, which automatically starts data collection for active DB2 subsystems. It also periodically examines subsystems to detect when new subsystems are started or terminated. Data collection threads are automatically started or stopped by the monitoring thread when a change of state is detected. The data collection options specified in the RKANPARU(KDPCNFG) member is changed to allow wildcards "*" to be accepted in parameters that currently accept DB2 subsystem IDs.

This enables the end-user to specify monitoring options without knowing in advance the names of all the DB2 subsystems. Specific data collection categories may be disabled or monitoring of entire subsystems disabled.

The default is Y.

Required or optional
Optional

Default value
Y

Permissible values
Y, N

Location where the parameter value is stored
In the KDPSTART member of the *rhilev.midlev.rtename*.RKANCMDU library

Output line
`DPDC AUTODISCOVER`

In the Configuration Tool (ICAT)

Panel name
DEFINE DB2 SUBSYSTEMS

Panel ID
KD541P2

Panel field
Enable autodiscovery

Default value
Y

Permissible values
Y, N

Batch parameter name
KD5_AUTO

PARMGEN name
KD5_AUTO

PARMGEN classification
Agent

KD5_AUTODETECT_INTERVAL

DB2 Autodetect Interval

Description

How often auto detection should execute to check for new DB2 subsystems entering the system.

Required or optional
Optional

Default value
300

Minimum
0

Maximum
999

Location where the parameter value is stored
In the KD5ENV member of the *rhilev.midlev.rtename*.RKANPARU library

Output line
`KDP_AUTODETECT_INTERVAL=<value>`

In the Configuration Tool (ICAT)

Panel name
SPECIFY CONFIGURATION PARAMETERS

Panel ID
KD541P4

Panel field
DB2 autodetect interval

Default value
300

Minimum
0

Maximum
999

Batch parameter name
KD5_AUTODETECT_INTERVAL

PARMGEN name
KD5_AUTODETECT_INTERVAL

PARMGEN classification
Agent

KD5_DBnn_OPM_E2ESECURE_SECURE

E2E SQL Secure Connection

Description

This specifies whether to use a secure connection to connect to the Optim Performance Manager.

Required or optional
Optional

Default value
Y

Permissible values
Y, N

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev.midlev.rtename*.RKANPARU library

Output line
`E2ESECURE(<value>)`

In the Configuration Tool (ICAT)

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Use secure connections

Default value
Y

Permissible values
Y, N

Batch parameter name
KD5_DB_OPM_SECURE

PARMGEN name
KD5_DBnn_OPM_E2ESECURE_SECURE

PARMGEN classification
Agent

KD5_DBnn_OPM_E2ESQLHN_TCP_HOST

E2E SQL Host Name

Description

This specifies the host name of the Optim Performance Manager.

Required or optional
Optional

Default value
None

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev.midlev.rtename*.RKANPARU library

Output line
`E2ESQLHN(<value>)`

In the Configuration Tool (ICAT)

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Hostname or IP address

Default value
None

Batch parameter name
KD5_DB_OPM_HOSTNAME

PARMGEN name
KD5_DBnn_OPM_E2ESQLHN_TCP_HOST

PARMGEN classification
Agent

KD5_DBnn_OPM_E2ESQLPT_PORT_NUM

E2E SQL Port

Description

This specifies the port of the Optim Performance Manager.

Required or optional
Optional

Default value
None

Minimum
0

Maximum
65535

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev*.*midlev*.*rtename*.RKANPARU library

Output line
E2ESQLPT(<value>)

In the Configuration Tool (ICAT)

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Port number

Default value
None

Minimum
0

Maximum
65535

Batch parameter name
KD5_DB_OPM_PORT

PARMGEN name
KD5_DBnn_OPM_E2ESQLPT_PORT_NUM

PARMGEN classification
Agent

KD5_DBnn_SSID

DB2 Subsystem name

Description

This specifies the DB2ID of the DB2 subsystem to be monitored.

Required or optional
Optional

Default value
*

Location where the parameter value is stored
In the KDPSTART member of the *rhilev.midlev.rtename*.RKANCMDU library

Output line
`DPDC DB2ID(<value>)`

In the Configuration Tool (ICAT)

Panel 1

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Specify the data collector options for DB2 subsystem

Panel 2

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3A

Panel field
Specify the data collector options for DB2 subsystem

Default value
*

Batch parameter name
KD5_DB_SSID

PARMGEN name
KD5_DBnn_SSID

PARMGEN classification
Agent

KD5_DBnn_SS_AUTO

DB2 autodiscovery status

Description

Status of the DB2 autodiscovery row. If the subsystem added contains a wildcard "*", then this value is set to Y.

Required or optional
Optional

Default value
Y

Permissible values
Y, N

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD5_DB_SS_AUTO

PARMGEN name
KD5_DBnn_SS_AUTO

PARMGEN classification
Agent

KD5_DBnn_SS_COUPFAC

Coupling facility interval

Description

This specifies the interval, in seconds, that Coupling Facility statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional
Optional

Default value
600

Minimum
0

Maximum
999

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev*.*midlev*.*rtename*.RKANPARU library

Output line
`COUPFAC(<value>)`

In the Configuration Tool (ICAT)

Panel 1

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Coupling Facility statistics

Panel 2

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3A

Panel field
Coupling Facility statistics

Default value
600

Minimum
0

Maximum
999

Batch parameter name
KD5_DB_SS_COUPFAC

PARMGEN name
KD5_DBnn_SS_COUPFAC

PARMGEN classification
Agent

KD5_DBnn_SS_GBPSTAT

GBP Coupling facility interval

Description

This specifies the interval, in seconds, that Coupling Facility structure statistics for Group Buffer Pools will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional
Optional

Default value
600

Minimum
0

Maximum
999

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev*.*midlev*.*rtename*.RKANPARU library

Output line
`GBPSTAT(<value>)`

In the Configuration Tool (ICAT)

Panel 1

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Group Buffer pool statistics

Panel 2

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3A

Panel field
Group Buffer pool statistics

Default value
600

Minimum
0

Maximum
999

Batch parameter name
KD5_DB_SS_GBPSTAT

PARMGEN name
KD5_DBnn_SS_GBPSTAT

PARMGEN classification
Agent

KD5_DBnn_SS_OBJA

Group object allocation interval

Description

This specifies the interval, in seconds, that Coupling Facility statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional
Optional

Default value
600

Minimum
0

Maximum
999

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev*.*midlev*.*rtename*.RKANPARU library

Output line
`OBJECTA(<value>)`

In the Configuration Tool (ICAT)

Panel 1

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Group Object allocation statistics

Panel 2

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3A

Panel field
Group Object allocation statistics

Default value
600

Minimum
0

Maximum
999

Batch parameter name
KD5_DB_SS_OBJA

PARMGEN name
KD5_DBnn_SS_OBJA

PARMGEN classification
Agent

KD5_DBnn_SS_OBJB

Group object activity interval

Description

This specifies the interval, in seconds, that Group Object and Thread Activity statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional
Optional

Default value
600

Minimum
0

Maximum
999

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev*.*midlev*.*rtename*.RKANPARU library

Output line
`OBJECTB(<value>)`

In the Configuration Tool (ICAT)

Panel 1

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Group Object and thread activity

Panel 2

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3A

Panel field
Group Object and thread activity

Default value
600

Minimum
0

Maximum
999

Batch parameter name
KD5_DB_SS_OBJB

PARMGEN name
KD5_DBnn_SS_OBJB

PARMGEN classification
Agent

KD5_DBnn_SS_OBJV

Group object volume interval

Description

This specifies the interval, in seconds, that Group Object and Thread Volume statistics will be collected. The default collection interval is 600 seconds.

To disable collection of these statistics, set this field to 0.

Required or optional
Optional

Default value
600

Minimum
0

Maximum
999

Location where the parameter value is stored
In the KDPCNFG member of the *rhilev*.*midlev*.*rtename*.RKANPARU library

Output line
`OBJECTV(<value>)`

In the Configuration Tool (ICAT)

Panel 1

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3

Panel field
Group Object and thread volume

Panel 2

Panel name
SPECIFY DB2 DATA COLLECTOR OPTIONS

Panel ID
KD541P3A

Panel field
Group Object and thread volume

Default value
600

Minimum
0

Maximum
999

Batch parameter name
KD5_DB_SS_OBJV

PARMGEN name
KD5_DBnn_SS_OBJV

PARMGEN classification
Agent

KD5_DBnn_SS_TYP

DB2 Subsystem type

Description

This specifies how libraries are allocated and used.

An RTE consists of base libraries, which can be shared, and private libraries, which cannot be shared. There are two RTE types:

SERVER
This is an internal subsystem type that is used exclusively by the CMS. Do not specify the value for this field as the configuration will do it on your behalf.

DB2
Indicates that this subsystem is a DB2 subsystem.

Required or optional
Optional

Default value
DB2

Permissible values
SERVER, DB2

Location where the parameter value is stored
This value is not stored in a configuration member.

In the Configuration Tool (ICAT)
This value cannot be updated using the Configuration Tool.

Batch parameter name
KD5_DB_SS_TYP

PARMGEN name
KD5_DBnn_SS_TYP

PARMGEN classification
Agent

KD5_MSG_INTERVAL

DB2 messages collection interval

Description

Specify the frequency to check for new DB2 messages. DB2 messages are critical to help identify issues like deadlocks, timeouts, running out of disk space, etc.

The default is 10 seconds. A collection interval of 1 to 60 seconds can be specified.

Required or optional
Optional

Default value
10

Minimum
1

Maximum
60

Location where the parameter value is stored
In the KD5ENV member of the *rhilev.midlev.rtename*.RKANPARU library

Output line
`KDP_MSG_INTERVAL=<value>`

In the Configuration Tool (ICAT)

Panel name
SPECIFY CONFIGURATION PARAMETERS

Panel ID
KD541P4

Panel field
DB2 messages collection interval

Default value
10

Minimum
1

Maximum
60

Batch parameter name
KD5_MSG_INTERVAL

PARMGEN name
KD5_MSG_INTERVAL

PARMGEN classification
Agent

KD5_STATUS_REFRESH

DB2 Status Refresh Interval

Description

How often auto detection should execute to check the status of known db2 subsystems.

Required or optional
Optional

Default value
60

Minimum
0

Maximum
999

Location where the parameter value is stored
In the KD5ENV member of the *rhilev.midlev.rtename*.RKANPARU library

Output line
KDP_STATUS_REFRESH=<value>

In the Configuration Tool (ICAT)

Panel name
SPECIFY CONFIGURATION PARAMETERS

Panel ID
KD541P4

Panel field
DB2 status refresh interval

Default value
60

Minimum
0

Maximum
999

Batch parameter name
KD5_STATUS_REFRESH

PARMGEN name
KD5_STATUS_REFRESH

PARMGEN classification
Agent

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