



# JD Edwards Adapter Administration

Version 2.1

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# 1 Using the Adapter for JD Edwards EnterpriseOne

The Adapter for JD Edwards EnterpriseOne allows WebFOCUS and other applications to access JD Edwards EnterpriseOne data sources. With this adapter, data in the JD Edwards EnterpriseOne DBMS is displayed using rules contained in dictionary files, thereby ensuring that valid information is returned to the requesting program.

This adapter is available for the Windows and IBM i environments. It is intended for use with WebFOCUS Version 7 Release 7 and higher.

## Topics:

- ❑ Preparing the JD Edwards EnterpriseOne Environment
- ❑ Overview of the Setup Process
- ❑ Configuring the Adapter for JD Edwards EnterpriseOne
- ❑ Creating Synonyms for JD Edwards EnterpriseOne
- ❑ Refreshing the Metadata Repository
- ❑ Refresh Security Extracts
- ❑ Converting Synonyms for JD Edwards EnterpriseOne (Non IBM i Platforms Only)
- ❑ Setting the UDCDIC Environment Variable (Windows only)

## Preparing the JD Edwards EnterpriseOne Environment

### How to:

Disable Automatic Passthru

### Reference:

Software Requirements

Although no environment preparation steps are required, ensure that your system complies with all software specifications.

You must also disable Automatic Passthru to ensure proper processing of JD Edwards EnterpriseOne data.

### Reference: **Software Requirements**

- ❑ Any JD Edwards EnterpriseOne Application installation.
- ❑ DBMS connectivity, as required by the installed EnterpriseOne environment. The following DBMSs are currently supported:
  - ❑ Oracle
  - ❑ Microsoft SQL Server
  - ❑ DB2

**Note:** This adapter can only be configured with reporting servers on the Windows and IBM i operating systems.

### Syntax: **How to Disable Automatic Passthru**

To turn Automatic Passthru off, enter the following command in the server profile, edasprof.prf:

```
SQL
  SET APT = OFF;
END
```

## Overview of the Setup Process

The setup process for the Adapter for EnterpriseOne is comprised of the following basic steps:

- 1. Create the JD Edwards EnterpriseOne synonyms.** You use the synonym creation facility for DB2, Microsoft SQL Server, or Oracle.

**Note:** For IBM i, see [How to Create Synonyms for JD Edwards EnterpriseOne Under IBM i](#) on page 10

- 2. Configure the Adapter for JD Edwards EnterpriseOne.** This indicates whether you will be using Group-based or Role-based security.
- 3. Refresh security extracts.** You will need to perform this step initially, and repeat it only if security information changes.
- 4. Refresh the metadata repository.** You will need to perform this step initially, and repeat it only if there are changes in the metadata for tables. This occurs infrequently at most sites.
- 5. Convert the synonyms for JD Edwards EnterpriseOne.**
- 6. Set UDCDIC parameters (Windows only).** This step is required before you can run reports.

## Configuring the Adapter for JD Edwards EnterpriseOne

### How to:

Configure the Adapter

### Reference:

Configuration Parameters and Tasks for JD Edwards EnterpriseOne

This process defines connection and authentication information.

### **Procedure:** How to Configure the Adapter

You can configure the adapter from either the Web Console or the Data Management Console.

- 1.** From the Web Console menu bar, click *Adapters*.  
or  
From the Data Management Console, expand the *Adapters* folder.  
The *Adapters* folder opens.
- 2.** Expand the *Available* folder, if it is not already expanded.
- 3.** Expand the appropriate group folder and the specific adapter folder. The group folder is described in the connection attributes reference.
- 4.** Right-click the adapter name and/or version and select *Configure*.  
The Add Adapter to Configuration pane opens.

5. Enter values for the parameters required by the adapter, as described in the connection attributes reference.
6. Click *Configure*. The configured adapter is added to the Adapters list in the navigation pane.

**Reference: Configuration Parameters and Tasks for JD Edwards EnterpriseOne**

The *JD Edwards EnterpriseOne* adapter is under the *ERP* group folder.

The following list describes the connection attributes for which you can supply values, and additional tasks you must perform to complete the configuration for this adapter.

**Security Authentication**

- Check this box if the reporting server is secured. This option applies if every JD Edwards EnterpriseOne user has a user ID on the reporting server system.
- Leave the box unchecked if the reporting server is unsecured. This option applies if every JD Edwards EnterpriseOne user's user ID and password are stored and are being authenticated by Managed Reporting and/or a self-service application:
  - For Managed Reporting, the user ID must be the JD Edwards EnterpriseOne user ID.
  - For Self-Service requests, the JD Edwards EnterpriseOne user ID must be passed to the server.

In either case, the `IBI_REPORT_USER` variable must be set to the JD Edwards EnterpriseOne user ID.

**ROLE-based security**

When you configure the JD Edwards EnterpriseOne adapter, Group-based security is used by default. Leave the box unchecked, if you wish to use Group-based security.

Check this box if you wish to use Role-based security.

**Select profile**

Select a profile from the drop-down menu to indicate the level of profile in which to store the `CONNECTION_ATTRIBUTES` command. The global profile, `edasprof.prf`, is the default.

If you wish to create a new profile, either a user profile (`user.prf`) or a group profile if available on your platform (using the appropriate naming convention), choose *New Profile* from the drop-down menu and enter a name in the Profile Name field (the extension is added automatically).

Store the connection attributes in the server profile (`edasprof`).

When you click the *Configure*, the adapter is added to the Adapters list in the Web Console or the Adapters folder of the Data Management Console.

## Creating Synonyms for JD Edwards EnterpriseOne

### How to:

Create Synonyms for JD Edwards EnterpriseOne

Create Synonyms for JD Edwards EnterpriseOne Under IBM i

### Reference:

Ensuring Master File Compatibility Between IBM i and Windows

Before you can use the Adapter for JD Edwards EnterpriseOne, you must create synonyms for the data you will be reporting against using one of the data adapters that is supported on your platform, and set the paths required to access those synonyms:

- ❑ In the Windows environment, you can create synonyms using the Adapters for DB2, Oracle, or Microsoft SQL Server.
- ❑ In the IBM i environment, you can create synonyms using DB2.

### Procedure: How to Create Synonyms for JD Edwards EnterpriseOne

**Note:** To create a synonym under IBM i, see [How to Create Synonyms for JD Edwards EnterpriseOne Under IBM i](#) on page 10

From the Web Console or the Data Management Console:

1. Configure the adapter you wish to use to create synonyms for the JD Edwards EnterpriseOne data.
2. Use the configured adapter to create synonyms for the JD Edwards EnterpriseOne tables you wish to use. During this process, you will select the tables for which you wish to create synonyms and specify the application in which the tables will be stored.

For details about configuration and synonym creation steps for supported data adapters, see [Using the Adapter for DB2](#), [Using the Adapter for Microsoft SQL Server](#), or [Using the Adapter for Oracle](#).

**Note:** JD Edwards EnterpriseOne synonyms can only be refreshed or re-created using the JD Edwards EnterpriseOne adapter. Right-clicking on any JD Edwards EnterpriseOne synonym to refresh the synonym should never be used.

## **Procedure: How to Create Synonyms for JD Edwards EnterpriseOne Under IBM i**

1. From the navigation pane of the Adapters page, right-click the *JD Edwards EnterpriseOne* adapter and select *Create Synonym*.

The Select adapter to configure or Select connection to create synonym page opens.

2. Double-click a DB2 connection.

The first of a series of synonym creation panes opens.

3. Enter values for the parameters required by the adapter as described in [Synonym Creation Parameters for JD Edwards EnterpriseOne Under IBM i](#) on page 10.

4. After entering the parameter values, click *Create Synonym*.

The Status pane indicates that the synonym was created successfully. The synonym is created and added under the specified application directory.

## **Reference: Synonym Creation Parameters for JD Edwards EnterpriseOne Under IBM i**

The following list describes the parameters for which you will need to supply values, and related tasks you will need to complete in order to create a synonym for the adapter. These options may appear on multiple panes. To advance from pane to pane, click the buttons provided, ending with the *Create Synonym* button, which generates the synonym based on your entries.

### **Select Synonym Candidates for DB2 (CON) Step 1**

#### **Restrict Object Type to**

Restrict candidates for synonym creation based on the selected object type(s): Tables, Views, External SQL Scripts, and any other supported objects.

#### **Library**

Type a string for filtering the Library (or DB2 Collection), inserting the wildcard character (%) as needed at the beginning and/or end of the string. For example, enter: ABC% to select tables or views whose owner IDs begin with the letters ABC; %ABC to select tables or views whose owner IDs end with the letters ABC; %ABC% to select tables or views whose owner IDs contain the letters ABC at the beginning, middle, or end.

#### **Object Name**

Type a string for filtering the table, view, or object names, inserting the wildcard character (%) as needed at the beginning and/or end of the string. For example, enter: ABC% to select all tables, views, or objects whose names begin with the letters ABC; %ABC to select all whose names end with the letters ABC; %ABC% to select all whose names contain the letters ABC at the beginning, middle, or end.

**Note:** When you create a synonym for DB2 on the IBM i platform, standard IBM i naming conventions apply to the target data source. Therefore, the Adapter for DB2 supports the use of double-quotation marks around any library name and/or file name that contains lowercase or NLS characters.

## **Create Synonym for DB2 (CON) Step 2 of 3**

### **Cardinality**

Select the *Cardinality* check box to reflect the current cardinality (number of rows or tuples) in the table during metadata creation. Cardinality is used for equi-joins. The order of retrieval is based on the size (cardinality) of the table. Smaller tables are read first.

If the cardinality of the tables to be used in the application are dynamic, it may not be beneficial to choose this setting.

### **Build cluster synonym using foreign key Information**

Select this check box to include within this synonym every table related to the current table by a foreign key. The resulting multi-table synonym describes all of the foreign key relationships of this table.

### **Dynamic columns**

To specify that the Master File created for the synonym should not contain column information, select the *Dynamic columns* check box.

If this option is selected, column data is retrieved dynamically from the data source at the time of the request.

### **One-part name**

On the IBM i platform, the *One-part name* check box is unchecked by default. The unchecked behavior generates a table name that includes the explicit name of the library containing the table. For example, if you specified a library on the first Create Synonym pane, a qualified name like the following is automatically created in the Access File:

```
TABLENAME=MYLIB/MYTABLE
```

With this explicit type of entry in the Access File, at run-time the library is directly located and searched for the table name. If you select the check box, the explicit library name is not stored in the metadata (Access File). When the synonym is generated, the library portion of the table name is omitted from the Access File, and appears as follows:

```
TABLENAME=MYTABLE
```

With this type of entry in the Access File, at run time the library path of the user is searched until the table name is located.

### **For Subquery**

Only available when *External SQL Scripts* is selected from the Restrict objects type to drop-down menu. When selected, a SUBQUERY keyword is added to the Access File of the generated synonym. If the corresponding SQL string is not parameterized (that is, does not contain parameter markers, such as ? or :), it will be processed as a subquery embedded into a FROM clause of the generated SELECT query. Otherwise, the setting will be ignored, and a FOC1782 warning message will be issued. The default is selected (SUBQUERY=Y).

### **Application**

The default is the top level folder you started from in the portal.

### **Prefix/Suffix**

If you have tables with identical table names, assign a prefix or a suffix to distinguish them. For example, if you have identically named human resources and payroll tables, assign the prefix HR to distinguish the synonyms for the human resources tables. Note that the resulting synonym name cannot exceed 64 characters.

If all tables and views have unique names, leave the prefix and suffix fields blank.

### **Customize data type mappings**

To change the data type mappings from their default settings, select this check box. The customizable mappings are displayed.

### **Overwrite Existing Synonyms**

To specify that this synonym should overwrite any earlier synonym with the same fully qualified name, select the *Overwrite existing synonyms* check box.

**Note:** The connected user must have operating system write privileges in order to recreate a synonym.

## **Create Synonym for DB2 Step 3 of 3**

### **Select date format**

The options are: YMD, YYMD, DMY, MDY, MDYY, DMYY, MYY,YYM. (YYMD is the default setting.) The selected format will be used only if the field is described as a DATE in the DataDictionary.

### **Presumptive Join**

Select the *Presumptive Joins* check box to include additional DEFINES (virtual fields) for presumptive join fields in the synonym.

The default setting is *ON*.

**Field Names**

Select the *Long Fieldname* radio button (the default) to display the field descriptions as names on reports. Select the *Short Fieldname* radio button to use the JDE aliases as field names on reports. The default setting is *Long Fieldname*.

**Language Code**

Enter the appropriate Language Code, which exists in the JDE F9292 file. (Leave the field blank for English.)

**UDC**

Select the *UDC* check box to ensure that UDC description fields are generated as DEFINES (virtual fields) in the synonym. The default setting is *ON*.

**Combine UDC**

Select the *Combine UDC* check box to Combine User Defined Code. The default setting is *OFF*.

**Reference: Ensuring Master File Compatibility Between IBM i and Windows**

Before you begin the configuration procedure, it is advisable to consider whether you have procedures that were designed to run on the IBM i platform, which you may wish to run in a Windows environment. If you anticipate this need, your first task is to synchronize the Master Files generated on Windows with those generated on IBM i using the amper variable &MFDCOMP in the jdegdinc.fex file.

The default variable setting is:

```
-DEFAULT &MFDCOMP='N' ;
```

To ensure matching field names on IBM i and Windows, revise the setting to:

```
-DEFAULT &MFDCOMP='Y' ;
```

**Refreshing the Metadata Repository****How to:**

Refresh the Metadata Repository on Windows

Refresh the Metadata Repository on IBM i

The Metadata repository contains the dictionary information for the JD Edwards EnterpriseOne tables.

You must refresh the repository the first time you set up the adapter and repeat the process each time the JD Edwards EnterpriseOne tables change. (At most sites, changes occur infrequently.)

**Important:** This step must be done before you convert any Master Files (synonyms).

### **Procedure:** How to Refresh the Metadata Repository on Windows

From the Adapters list in the navigation pane on the Web Console or the Adapters folder of the Data Management Console:

1. Right-click the configured JD Edwards EnterpriseOne adapter.
2. Choose *Refresh Metadata Repository* from the menu. The Refresh Metadata Repository pane opens. The JDE tables required for this procedure are listed in the first column.
3. For *each* table, select the suffix of a previously configured DBMS from the drop-down list.

**Note:** The listed tables may be associated with different DBMSs.

4. In the Qualifier input boxes enter the qualifier associated with each table, using the syntax required for the selected DBMS:
  - ❑ For SQLMSS: `[database.]owner`
  - ❑ For DB2: `[location.]owner`
  - ❑ For SQLORA: `owner`
5. In the Connection input boxes, enter the same connection name you used when configuring the selected DBMS.
6. Click *Refresh Now*. The refresh occurs transparently. A message indicates the process was successful.

### **Procedure:** How to Refresh the Metadata Repository on IBM i

From the Adapters list in the navigation pane on the Web Console or the Adapters folder of the Data Management Console:

1. Right-click the configured JD Edwards EnterpriseOne adapter and select *Refresh Metadata Repository*.

You will need to perform this step initially, and repeat it only if there are changes in the metadata for tables. This occurs infrequently at most sites.

The Refresh Metadata Repository pane opens. The JDE tables required for this procedure are listed in the first column.

2. For each table, select the suffix of a previously configured DBMS from the drop-down list.
 

**Note:** The listed tables may be associated with different DBMSs.
3. Click *Refresh Now*.

## Refresh Security Extracts

### How to:

Refresh Security Extracts on Windows

Refresh Security Extracts on IBM i

This process creates security extract files that are stored as FOCUS files in the JOWSEC application that is created when you configure the adapter.

You must repeat this step whenever security extract information needs to be updated.

### Procedure: How to Refresh Security Extracts on Windows

From the Adapters list in the navigation pane or the Adapters folder of the DMC:

1. Right-click the configured JD Edwards EnterpriseOne adapter.
2. Select *Refresh Security Extracts*.
 

The Refresh Security Extracts pane opens, indicating the Security mode you selected during adapter configuration: ROLE-based or GROUP-based (see [Configuration Parameters and Tasks for JD Edwards EnterpriseOne](#) on page 8). Note that the required JDE tables that are listed in the first column vary depending on the Security mode that is in effect.
3. For each table, select the suffix of a previously configured DBMS from the drop-down list.
 

**Note:** The listed tables may be associated with different DBMSs.
4. In the Qualifier input boxes enter the qualifier associated with each table, using the syntax required for the selected DBMS:
  - ❑ For SQLMSS: `[database.]owner`
  - ❑ For DB2: `[location.]owner`
  - ❑ For SQLORA: `owner`
5. In the Connection input boxes, enter the same connection name you used when configuring the selected DBMS.

6. Click *Submit*.

The refresh occurs transparently. A message indicates the process was successful.

### **Procedure: How to Refresh Security Extracts on IBM i**

From the Adapters list in the navigation pane or the Adapters folder of the DMC:

1. Right-click the configured JD Edwards EnterpriseOne adapter.
2. Select *Refresh Security Extracts*.

The Refresh Security Extracts pane opens, indicating the Security mode you selected during adapter configuration: ROLE-based or GROUP-based (see [Configuration Parameters and Tasks for JD Edwards EnterpriseOne](#) on page 8).

The JDE tables required for this procedure are listed. Note that the list varies depending on the Security mode that is in effect.

3. In the input boxes provided, enter a library name for each of the JDE tables.
4. Click *Submit*.

The refresh occurs transparently. A message indicates that the process has been successful.

## **Converting Synonyms for JD Edwards EnterpriseOne (Non IBM i Platforms Only)**

### **How to:**

Convert Synonyms

You are now ready to convert synonyms. The conversions of the synonyms are affected by your option entries on the Master File Conversion pane. The following entries are added to the Master File:

### **Procedure: How to Convert Synonyms**

1. From the Adapters list in the navigation pane, right-click *JD Edwards EnterpriseOne*, and select *Convert Master Files*. The Master Files Conversion pane opens at Part 1 of 2.
2. From the drop-down list, select the application in which you created the synonyms, then click *Next*.
3. On the second Master Files Conversion pane, select the option you wish to use.

The following image shows the second part of the Master Files Conversion pane.

- ❑ Select a date format from the drop-down list. The options are: YMD, YYMD, DMY, MDY, MDYY, DMY, MYY, YYM. (YYMD is the default setting.) The selected format will be used only if the field is described as a DATE in the Data Dictionary.
- ❑ Select *N* for *Redefine*. IBM i only: *Y* is used for compatibility with earlier releases.
- ❑ Check the *UDC* box to ensure that UDC description fields are generated as DEFINES (virtual fields) in the synonym.
- ❑ Do not check the Combine UDC box. IBM i only: It is used only for compatibility with earlier releases.
- ❑ Leave the *Hybrid* box unchecked (the default). (Windows only.)
- ❑ Under Options, do one of the following:

Click the *Select Master File from a list* radio button, then from the drop-down list either select a file or choose *All*.

or

Click the *Enter specific filename to process* radio button and type a file name in the box provided.

4. Click *Convert Master File(s)* to start the conversion.

A message is displayed when the process is successfully completed.

**Tip:** You can click the *Back* button if you wish to return to the first synonym Conversion pane.

**Except on Windows, you are now ready to report against these tables.** On Windows, proceed to [Setting the UDCDIC Environment Variable \(Windows only\)](#) on page 17.

## Setting the UDCDIC Environment Variable (Windows only)

### How to:

Set the UDCDIC Environment Variable on Windows

On Windows, before you can run reports against your synonyms, you must set the UDCDIC environment variable to locate a file that stores codes which are mapped to field names. This mapping provides significant data input benefits. For information about this variable, see [How to Set the UDCDIC Environment Variable on Windows](#) on page 18.

**Syntax:**      **How to Set the UDCDIC Environment Variable on Windows**

This step is required only on the *Windows* platform to ensure that the server can locate the *udcdic.ftm* file, which stores codes that are mapped to field names. This mapping provide significant data display benefits.

You can set the UDCDIC environment variable in a Managed Reporting user profile, outside of Managed Reporting as a variable in a procedure, or as a Windows environment variable where the server is installed.

**Method 1:** To set the variable in a Managed Reporting user profile or a procedure, use the following syntax

```
SETENV UDCDIC=reference_dir
```

where:

```
reference_dir
```

Is the path to the reference directory that contains the appropriate *udcdic.ftm* file.

For example,

```
SETENV UDCDIC=C:\ibi\apps\jowsec
```

This method is more flexible than method 2 because you can quickly change the path designation to point to a different *udcdic.ftm* file. (For example, this technique would be useful if you need to report against multiple UDC environments).

**Method 2:** To set UDCDIC as a Windows environment variable, navigate to the Windows facility for defining environment variables and enter:

Variable name: *UDCDIC*

Variable value: the path where the *udcdic.ftm* file is located. For example,

```
\ibi\apps\jowsec
```

The location of the reference directory can be anywhere on the drive. The UDCDIC environment variable is used to point to that location.

## 2 | Using the Adapter for JD Edwards World

The Adapter for JD Edwards World allows WebFOCUS and other applications to access JD Edwards World data sources. With this adapter, data in the JD Edwards World DBMS is displayed using rules contained in dictionary files, thereby ensuring that valid information is returned to the requesting program.

This adapter is available on the IBM i platform (formerly known as i5/OS).

### Topics:

- ❑ Installation Prerequisites
- ❑ Configuring the Adapter for JD Edwards World
- ❑ Managing JD Edwards World Metadata
- ❑ Enabling JD Edwards World Security
- ❑ Enabling Tracing
- ❑ Frequently Asked Questions

## Installation Prerequisites

The software requirements for the Adapter for JD Edwards World are:

You must also verify that your end-user program (such as WebFOCUS Developer Studio) can access the Server.

## Configuring the Adapter for JD Edwards World

### How to:

Configure the Adapter for JD Edwards World From the Web Console

Configuring the adapter consists of specifying connection and authentication information for each of the connections you want to establish.

After the adapter is configured, you must refresh the metadata before you can create synonyms.

### **Procedure:** How to Configure the Adapter for JD Edwards World From the Web Console

#### **To configure the adapter:**

- 1.** From the Web Console menu bar, click *Adapters*.  
The Adapters page opens.
- 2.** In the navigation pane, expand the *Available* folder, if it is not already expanded.
- 3.** Expand the *ERP* group folder, then expand the *JD Edwards World* folder, and double-click the *A7.x - A9.x* connection.  
The Add JD Edwards World to Configuration pane opens.
- 4.** Leave Security options unchecked (OFF) at this point. You will add them later.
- 5.** Select a profile from the drop-down list to indicate the level of profile that the server is running: *global*, *service*, *group*, *user*. The standard server *global* profile, *edasprof.prfl*, is the default.
- 6.** Click *Configure* and then click *OK* in the confirmation message window.  
The adapter is added to the *Configured* folder in the navigation pane.

## Managing JD Edwards World Metadata

### How to:

Refresh the Metadata

Create a Synonym

When the server accesses a data source, it needs to know how to interpret the data stored there. For each data source the server will access, you create a synonym that describes the structure of the data source and the server mapping of the data types.

**Note:** To create synonyms, you need to refresh the metadata, and also have both the JD Edwards World adapter and a DB2 adapter configured.

### Procedure: How to Refresh the Metadata

1. Right-click the configured JD Edwards World adapter and select *Refresh Metadata Repository*.

The Refresh Metadata Repository pane opens.

2. In the JD Edwards World Version field, choose 7.x or 8.x.
3. Enter the *location* of each of the following JDE files in the space provided. Only the library name is needed.

For Version 7	For Version 8	File Use
F0004 Library	F0004 Library	Contains JDE user-defined code types.
F0005 Library	F0005 Library	Contains JDE user defined codes file.
F9202 Library	F9202 Library	Contains JDE data field specifications.
F9201 Library	F9210 Library	Contains JDE data field display text.
UDC Library		Contains the name of the new library to be created. It is recommended that you start the name with UDCxxx.

4. Click *Refresh Now* to create the files.

## **Procedure: How to Create a Synonym**

To create a synonym, you must have previously configured the adapter.

1. Right-click the configured *JD Edwards World* adapter and select *Create Synonym*.

The Select connection to create synonym page opens.

2. Click the DB2 connection to be used.
3. Complete the information required using the [Synonym Creation Parameters for JD Edwards World](#) on page 22
4. The final step is setting JD Edwards World security options.

For details, see [How to Set JD Edwards World Security](#) on page 25.

**Note:** JD Edwards World synonyms can only be refreshed or re-created using the JD Edwards World adapter. Right-clicking on any JD Edwards World synonym to refresh the synonym should never be used.

## **Reference: Synonym Creation Parameters for JD Edwards World**

The following list describes the parameters for which you will need to supply values, and related tasks you will need to complete in order to create a synonym for the adapter. These options appear on multiple panes. To advance from pane to pane, click the buttons provided, ending with the *Create Synonym* button, which generates the synonym based on your entries.

### **Select Synonym Candidates for DB2 (DB2CON1) Step 1 of 3**

#### **Restrict Object Type to**

Restrict candidates for synonym creation based on the selected object type(s): Tables, Views, External SQL Scripts, and any other supported objects.

#### **Library**

Type a string for filtering the Library (or DB2 Collection), inserting the wildcard character (%) as needed at the beginning and/or end of the string. For example, enter: ABC% to select tables or views whose owner IDs begin with the letters ABC; %ABC to select tables or views whose owner IDs end with the letters ABC; %ABC% to select tables or views whose owner IDs contain the letters ABC at the beginning, middle, or end.

#### **Object Name**

Type a string for filtering the table, view, or object names, inserting the wildcard character (%) as needed at the beginning and/or end of the string. For example, enter: ABC% to select all tables, views, or objects whose names begin with the letters ABC; %ABC to select all whose names end with the letters ABC; %ABC% to select all whose names contain the letters ABC at the beginning, middle, or end.

**Note:** When you create a synonym for DB2 on the IBM i platform, standard IBM i naming conventions apply to the target data source. Therefore, the Adapter for DB2 supports the use of double-quotation marks around any library name and/or file name that contains lowercase or NLS characters.

### **Create Synonym for DB2 (DB2CON1) Step 2 of 3**

#### **Cardinality**

Select the *Cardinality* check box to reflect the current cardinality (number of rows or tuples) in the table during metadata creation. Cardinality is used for equi-joins. The order of retrieval is based on the size (cardinality) of the table. Smaller tables are read first.

If the cardinality of the tables to be used in the application are dynamic, it may not be beneficial to choose this setting.

#### **Build cluster synonym using foreign key Information**

Select this check box to include within this synonym every table related to the current table by a foreign key. The resulting multi-table synonym describes all of the foreign key relationships of this table.

#### **Dynamic columns**

To specify that the Master File created for the synonym should not contain column information, select the *Dynamic columns* check box.

If this option is selected, column data is retrieved dynamically from the data source at the time of the request.

#### **One-part name**

On the IBM i platform, the *One-part name* check box is unchecked by default. The unchecked behavior generates a table name that includes the explicit name of the library containing the table. For example, if you specified a library on the first Create Synonym pane, a qualified name like the following is automatically created in the Access File:

```
TABLENAME=MYLIB/MYTABLE
```

With this explicit type of entry in the Access File, at run-time the library is directly located and searched for the table name. If you select the check box, the explicit library name is not stored in the metadata (Access File). When the synonym is generated, the library portion of the table name is omitted from the Access File, and appears as follows:

```
TABLENAME=MYTABLE
```

With this type of entry in the Access File, at run time the library path of the user is searched until the table name is located.

### **For Subquery**

Only available when *External SQL Scripts* is selected from the Restrict objects type to drop-down menu. When selected, a SUBQUERY keyword is added to the Access File of the generated synonym. If the corresponding SQL string is not parameterized (that is, does not contain parameter markers, such as ? or :), it will be processed as a subquery embedded into a FROM clause of the generated SELECT query. Otherwise, the setting will be ignored, and a FOC1782 warning message will be issued. The default is selected (SUBQUERY=Y).

### **Application**

The default is the top level folder you started from in the portal.

### **Prefix/Suffix**

If you have tables with identical table names, assign a prefix or a suffix to distinguish them. For example, if you have identically named human resources and payroll tables, assign the prefix HR to distinguish the synonyms for the human resources tables. Note that the resulting synonym name cannot exceed 64 characters.

If all tables and views have unique names, leave the prefix and suffix fields blank.

### **Customize data type mappings**

To change the data type mappings from their default settings, select this check box. The customizable mappings are displayed.

### **Overwrite Existing Synonyms**

To specify that this synonym should overwrite any earlier synonym with the same fully qualified name, select the *Overwrite existing synonyms* check box.

**Note:** The connected user must have operating system write privileges in order to recreate a synonym.

## **Create Synonym for DB2 Step 3 of 3**

### **Select date format**

The options are: YMD, YYMD, DMY, MDY, MDYY, DMYY, MYY,YYM. (YYMD is the default setting.) The selected format will be used only if the field is described as a DATE in the DataDictionary.

### **Presumptive Join**

Select the *Presumptive Joins* check box to include additional DEFINES (virtual fields) for presumptive join fields in the synonym.

The default setting is *ON*.

**Field Names**

Select the *Long Fieldname* radio button (the default) to display the field descriptions as names on reports. Select the *Short Fieldname* radio button to use the JDE aliases as field names on reports. The default setting is *Long Fieldname*.

**Language Code**

Enter the appropriate Language Code, which exists in the JDE F9292 file. (Leave the field blank for English.)

**UDC**

Select the *UDC* check box to ensure that UDC description fields are generated as DEFINES (virtual fields) in the synonym. The default setting is *ON*.

**Combine UDC**

Select the *Combine UDC* check box to Combine User Defined Code. The default setting is *OFF*.

**Enabling JD Edwards World Security****How to:**

Set JD Edwards World Security

You can set security options after you configure the adapter from the Web Console.

**Procedure: How to Set JD Edwards World Security**

1. From the list of configured adapters in the navigation pane, right-click *JD Edwards World*, and select *Properties*.

The Change Connect Parameters pane for JD Edwards World opens.

2. You can accept the defaults (unchecked) or select one or more options by clicking the corresponding check boxes.

**Business Unit Security**

Check this box to enable automatic execution of JD Edwards World Business Unit Security. The server for IBM i automatically restricts user access to data, based on information retrieved from the F0001 and F0006 tables, and then adds appropriate WHERE conditions to the users submitted data access request.

Unchecked (OFF) is the default setting.

If you check this parameter, you cannot turn it OFF until the server is shut down and then restarted (with no parameter settings).

### **Search Type Security**

Check this box to enable automatic execution of JD Edwards World Search Type Security. The server for IBM i automatically restricts user access to data, based on information retrieved from the F0005 table, and then adds appropriate WHERE conditions to the submitted data access request of the user.

Unchecked (OFF) is the default setting.

If you check this parameter, you cannot turn it OFF until the server is shut down and then restarted (with no parameter settings).

### **Business Unit (for PA) Security**

Check this box to revert (if necessary) to an older security model used by this adapter.

Unchecked (OFF) is the default setting.

If checked, this option overrides standard Business Unit Security (as described above).

### **Column Security**

Check this box to enable column security based on information in the F9401 file.

Unchecked (OFF) is the default setting.

If you check this parameter, you cannot turn it OFF until the server is shut down and then restarted (with no parameter settings).

### **Select Profile**

In Web Query this must be EDASPROF.

3. Click the *Configure* button to complete the process.

## **Enabling Tracing**

You can easily trace any problem that arises using the Web Console tracing facility. For information about Trace options, see *Tracing Server Activity* in the *Server Administration for UNIX, Windows, OpenVMS, IBM i, and z/OS* manual.

## **Frequently Asked Questions**

### **Which Application directory should I store my JDE Master and Access Files in?**

For a full WebFOCUS installation, we highly recommend storing all Master and Access Files in a separate Application directory from where the server was installed. You can then add the directory to the server's path prior to starting the server. This will not only avoid confusion about where these files reside, but will also make maintenance easier during server upgrades.

**I've been using JD Edwards World under a 5.x server and I'm upgrading to a newer server level. Will the Master Files I built under the 5.x server work with 7.x?**

Existing Master Files built with PSWCONV from the 5.x Server are *not* supported by the 7.x Server.

Enhancements have been made to the adapter conversion JDE procedure to accommodate the 7.x Server architecture. We suggest saving your existing 5.x Master Files as a backup, and recreating the metadata with the new version of the Adapter for JD Edwards.



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