

IBM InfoSphere Data Replication

CHCCLP Command Reference

Version 11.4.0.2
Dec. 10, 2019

*This document contains formatted output of the **help** commands from the CHCCLP program in Access Server version 11.4.0.2 build [11006].*

*It is not official IBM documentation but rather the output of the CHCCLP for ease of use for customers who do not have access to the interactive CHCCLP. For up-to-date command details, please use the **help** command in a CHCCLP session.*

For more information on a specific command, type `help "command_name"`;

Also see, "Getting started with the CHCCLP program" in IBM Knowledge Center at https://www.ibm.com/support/knowledgecenter/SSTRGZ_11.4.0/com.ibm.cdcdoc.chcclp.doc/concepts/gettingstartedwiththehcclpprogram.html for basic information about CHCCLP and its commands.

CHCCLP commands by type

ENVIRONMENT

```
-----  
chcclp session set to cdc  
exit  
print  
save session  
set property  
set verbose  
show session  
show version  
clear context  
help  
quit  
set debug  
set variable  
show context  
show variables
```

ACCESS SERVER

```
-----  
connect server  
modify server  
export audit log  
disconnect server  
show server
```

DATASTORES

```
-----  
add system parameter  
define external target datastore  
disconnect datastore  
list database schemas  
list datastores  
list encodings  
list system parameters  
select datastore  
connect datastore  
delete system parameter  
list database tables  
list databases  
list datatypes  
list journal control fields  
modify system parameter  
show datastore
```

TABLES

```
-----  
add replication table  
list replication tables  
list table indexes  
remove replication table  
list index columns  
list table columns  
readd replication table
```

SUBSCRIPTIONS

```
-----  
add subscription  
describe subscription  
export subscription  
delete subscription  
export datastage job definition  
import subscription
```

list subscriptions
lock subscription
modify subscription
modify subscription cloudant properties
modify subscription hadoop properties
modify subscription user exit
select subscription
show subscription
show subscription cloudant properties
show subscription hadoop properties
show subscription user exit
update subscription target

list subscription lock history
modify latency thresholds
modify subscription datastage properties
modify subscription kafka properties
modify subscription publishing properties
promote subscription
show latency thresholds
show subscription datastage properties
show subscription kafka properties
show subscription publishing properties
unlock subscription

TABLE MAPPINGS/RULE SETS

add rule set
delete rule set
export rule set
filter table member
list refresh order
list rule sets
list table members
modify refresh order
modify table mapping
promote rule set
reassign table mapping
select table mapping
show table mapping

add table mapping
delete table mapping
export table mapping
flag refresh
list rule set tables
list table mappings
mark capture point
modify rule set
park table mapping
promote table mapping
select rule set
show rule set

MAPPING DETAILS

add data translation
clear user exit
delete derived column
list column encodings
list source columns
modify column encoding
modify derived column
modify user exit cdll
modify user exit javaclass
show data translation
show operations
unmap column

add derived column
delete data translation
filter source column
list column mappings
map column
modify data translation
modify operations
modify user exit function
modify user exit storedproc
show derived column
show user exit

NOTIFICATIONS

list datastore notification categories
list datastore notification settings
list subscription notification settings
modify datastore notification settings

list datastore notification filters
list subscription notification categories
modify datastore notification filters
modify subscription notification settings

REPLICATION

clear datastore events
end replication

clear subscription events
export subscription performance snapshot

list datastore events
list subscription performance metrics
monitor replication
monitor subscription busy tables
monitor subscription performance
monitor table performance
show subscription event details
start refresh

list subscription events
list table performance metrics
monitor subscription activity
monitor subscription latency
monitor subscription refresh
show datastore event details
start mirroring

ACCESS MANAGER

add access connection
add access user
change login password
delete access connection
delete access user
list access datastores
modify access connection
modify access user
show access datastore

add access datastore
add ldap access manager
close access user connections
delete access datastore
list access connections
list access users
modify access datastore
show access connection
show access user

SUPPORT

run support assistant

Environment commands

chcclp session set to cdc

DESCRIPTION:

Identifies that the script executes IBM InfoSphere Data Replication commands. This command must be the first statement in a script file. It is not required when running commands in the interactive prompt.

SYNTAX:

```
chcclp session set to cdc
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Identifies InfoSphere Data Replication CDC scripts when executing from a script file.

```
chcclp session set to cdc;  
connect server username user1 password password1;  
connect datastore name DS1;  
disconnect datastore;  
disconnect server;  
exit;
```

clear context

DESCRIPTION:

Clears the datastore, subscription or table mapping context.

SYNTAX:

```
clear context
```

[type] Specifies which context to clear.

VALID VALUES:

```
datastore  
subscription  
tableMapping
```

DEFAULT:

```
datastore
```

SUCCESS CODE:

1204

SINCE:

10.2.1

REQUIRED ROLE:

Any

SAMPLE:

Clears the current datastore context.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
show context;
clear context type datastore;
show context;
disconnect server;
exit;
```

exit

DESCRIPTION:

Exits the interactive prompt or script. Access Server and datastores will be disconnected automatically.

SYNTAX:

```
exit
```

SUCCESS CODE:

```
1001
```

SINCE:

```
10.2
```

REQUIRED ROLE:

```
Any
```

SAMPLE 1:

Exits the interactive prompt. Access Server will be automatically disconnected.

```
connect server username user1 password password1;
exit;
```

SAMPLE 2:

Quits the interactive prompt. Access Server will be automatically disconnected.

```
connect server username user1 password password1;
quit;
```

help

DESCRIPTION:

Displays a list of the available commands, a list of commands that belong to a category or information about a specific command.

SYNTAX:

```
help
```

SINCE:

```
10.2
```

REQUIRED ROLE:

Any

SAMPLE 1:

Provides a list of all available commands.

```
help;
```

SAMPLE 2:

Provides information about the "show datastore" command.

```
help "show datastore";
```

SAMPLE 3:

Lists the commands that contain the word "column".

```
help "column";
```

SAMPLE 4:

Lists new commands by version.

```
help "11.3.3.3";
```

```
help "11.3.3.2";
```

```
help "11.3.3";
```

```
help "11.3";
```

```
help "10.2.1";
```

```
help "10.2";
```

print

DESCRIPTION:

Prints a message to the output.

SYNTAX:

```
print
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Prints a message to the output window.

```
print "Connecting to Access Server...";
```

```
connect server username user1 password pass1;
```

```
exit;
```

quit

DESCRIPTION:

Exits the interactive prompt or script. Access Server and datastores will be disconnected automatically.

SYNTAX:
quit

SUCCESS CODE:
1001

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE 1:
Exits the interactive prompt. Access Server will be automatically disconnected.

```
connect server username user1 password password1;  
exit;
```

SAMPLE 2:
Quits the interactive prompt. Access Server will be automatically disconnected.

```
connect server username user1 password password1;  
quit;
```

save session

DESCRIPTION:
Saves the statements executed during the command line processor session to file.

SYNTAX:
save session

filename	Specifies the full path and name of the file where the statements will be saved. Use double quotes to surround the filename when it contains spaces. On Windows, use \\ for a single backslash.
----------	---

SUCCESS CODE:
1006

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:
Saves the statements executed during the session to file.

```
connect server username user1 password password1;  
connect datastore name DS1;  
disconnect datastore;  
disconnect server;  
save session filename "c:\\output\\script1.txt";
```

exit;

set debug

DESCRIPTION:

Sets internal debug options for the scripting environment.

SYNTAX:

set debug

[verbose]	Turns on verbose output for script execution. VALID VALUES: true/yes false/no
[trace_context_changes]	Traces context changes. VALID VALUES: true/yes false/no
[trace_parse_exception]	Traces parser exceptions. VALID VALUES: true/yes false/no
[trace_parse_results]	Traces parse results. VALID VALUES: true/yes false/no
[trace_execution_time]	Traces the start and end time for a command. VALID VALUES: true/yes false/no
[describe_wait]	Specifies the number of seconds to wait after describe completes before executing the next command. VALID RANGE: 0 to 1000 DEFAULT: 0
[stop_on_communication_timeout]	Stop when a communication timeout occurs waiting for a response from a datastore. VALID VALUES: true/yes false/no DEFAULT: true

SUCCESS CODE:

1002

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Toggles verbose output on and off.

```
set debug verbose true;
...
set debug verbose false;
```

set property

DESCRIPTION:

Sets a property for the command line processor.

SYNTAX:

```
set property
```

<pre>[recreateSubscription]</pre>	<p>Specifies the action to be performed when a subscription is added to a source datastore and a subscription with the same name already exists. When this parameter is set to true/yes, the existing subscription is deleted before the new subscription is added. When this parameter is set to false/no or not set, execution will stop with error when adding a subscription with a duplicate name.</p> <p>VALID VALUES:</p> <ul style="list-style-type: none">true/yesfalse/no <p>DEFAULT:</p> <ul style="list-style-type: none">false
-----------------------------------	--

SUCCESS CODE:

1008

SINCE:

11.3.3

REQUIRED ROLE:

Any

SAMPLE:

Instructs the command line processor to delete a subscription if one is added with the same name.

```
set property recreateSubscription yes;
connect server username user1 password password1;
connect datastore name DS1;
add subscription name SUB1;
add subscription name SUB1;
disconnect server;
exit;
```

set variable

DESCRIPTION:

Stores a variable by name for use in the script. To use a variable as a value parameter, use %name%. If a value already exists for the named parameter, the

"set variable" command will update it with the new value.

SYNTAX:

set variable

name	Specifies the name of the variable.
value	Specifies the value to store.

SUCCESS CODE:

1003

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Uses variables to provide the Access Server login credentials and to identify the source and target datastores.

```
set variable name username value user1;
set variable name password value pass1;
set variable name sourceds value DS1;
set variable name targetds value DS2;
connect server username %username% password %password%;
connect datastore name %sourceds% context source;
connect datastore name %targetds% context target;
...
disconnect datastore name %sourceds%;
disconnect datastore name %targetds%;
disconnect server;
exit;
```

set verbose

DESCRIPTION:

Turns on verbose mode for script execution. Verbose mode can also be turned on and off using the "set debug" command. When verbose mode is turned on, commands may provide additional information about their progress and a result message in the output window.

SYNTAX:

set verbose

SUCCESS CODE:

1004

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Turns on verbose mode for commands.

```
set verbose;
```

show context

DESCRIPTION:

Shows the current context for the scripting environment. Context objects are used by default when individual scripting commands do not override them. For example, the source and target datastore context are used to identify the datastores when creating a new subscription.

SYNTAX:

```
show context
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Displays the current context objects.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add subscription name SUB1;
show context;
disconnect server;
exit;
```

show session

DESCRIPTION:

Shows the set of commands that have been executed in the scripting session.

SYNTAX:

```
show session
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Displays the statements executed during the session to the output window.

```
connect server username user1 password password1;
connect datastore name DS1;
disconnect datastore;
disconnect server;
show session;
```

```
exit;
```

show variables

DESCRIPTION:

Shows the current variables available for use as value parameters using the syntax %name%. The command lists variables set as command line arguments when running the command line processor and variables set using the "set variable" command.

SYNTAX:

```
show variables
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Shows the current variables.

```
set variable name username value user1;  
set variable name password value pass1;  
set variable name sourcedb value DS1;  
set variable name targetdb value DS2;  
show variables;  
exit;
```

show version

DESCRIPTION:

Shows the command line processor name and version.

SYNTAX:

```
show version
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Shows the command line processor name and version.

```
show version;  
exit;
```

Access Server commands

connect server

DESCRIPTION:

Connects to an Access Server.

SYNTAX:

connect server

[hostname]	Specifies the hostname where Access Server is installed. DEFAULT: localhost
[port]	Specifies the port number used to connect to Access Server. VALID RANGE: 1 to 65535 DEFAULT: 10101
username	Specifies the username that will be used to log onto Access Server.
password	Specifies the password for the username that will be used to log onto Access Server.

SUCCESS CODE:

1101

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Connects and disconnects from Access Server.

```
connect server hostname mymachine port 10101 username user1 password password1;
disconnect server;
exit;
```

disconnect server

DESCRIPTION:

Disconnects from Access Server. Datastores will be disconnected automatically.

SYNTAX:

disconnect server

SUCCESS CODE:

1102

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Disconnects from Access Server.

```
connect server username user1 password password1;
disconnect server;
exit;
```

modify server

DESCRIPTION:

Enables or disables Access Server message tracing and logging. The options are automatically turned off when you restart Access Server. Use the "show server" command to display the current options.

SYNTAX:

modify server

[tracing]	Enables or disables Access Server message tracing. VALID VALUES: true/yes false/no DEFAULT: false
[logging]	Enables or disables Access Server logging. VALID VALUES: true/yes false/no DEFAULT: false

SUCCESS CODE:

1103

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Turns on message tracing. Use the "run support assistant" command to collect the trace after completing the task.

```
connect server username user1 password password1;
modify server tracing true;
...
modify server tracing false;
run support assistant filename "c:\output\sa.zip";
disconnect server;
exit;
```


show server

DESCRIPTION:

Shows the properties of the Access Server to which you are connected.

SYNTAX:

```
show server
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Connects to Access Server and shows its properties.

```
connect server username user1 password password1;
show server;
disconnect server;
exit;
```

export audit log

DESCRIPTION:

Exports Access Server audit trail log or security log to a file.

SYNTAX:

```
export audit log
```

startTime	Specifies the start time of events using "yyyyMMddHHmm".
[endTime]	Specifies the end time of events using "yyyyMMddHHmm". When not specified, default to current date and time.
[type]	Specifies the type of log to export: audit trail log or security log. VALID VALUES: auditTrail securityLog DEFAULT: auditTrail
[filename]	Specifies the fully qualified output CSV file name for the audit log export. Use double quotes to surround the file name. ".csv" will be appended to the file name, if it does not end with the CSV extension. If file name is not provided, the output file name will default to auditTraillyyyyMMdd.csv or securityLogyyyyMMdd.csv. yyyyMMdd corresponds to the start time. File will be created if not exists. File contents will be overwritten if the file exists already.

SUCCESS CODE:

1622

SINCE:
11.3.3.3

REQUIRED ROLE:
System administrator with user and datastore management privileges

SAMPLE:
Exports Access Server audit trail log to a file.

```
connect server username user1 password password1;  
export audit log type auditTrail startTime "201501011200" endTime "201512312359"  
fileName "C:/export/auditTrail2015.csv";  
disconnect server;  
exit;
```

Datastore commands

add system parameter

DESCRIPTION:

Adds a system parameter to the datastore.

SYNTAX:

```
add system parameter
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
key	Specifies the name for the new system parameter.
value	Specifies the value for the system parameter.
[writable]	Specifies whether the parameter can be modified after it is added.

VALID VALUES:
true/yes
false/no

DEFAULT:
true

SUCCESS CODE:

1205

SINCE:

11.3

REQUIRED ROLE:

System administrator

SAMPLE:

Adds a new system parameter to the datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
add system parameter key TRACE_FILE_COUNT value 10 writable yes;
list system parameters;
disconnect server;
exit;
```

connect datastore

DESCRIPTION:

Connects to a datastore and optionally indicates whether the datastore will be used as a source or target for subsequent commands. If your Access Server administrator has configured the datastore for multiuser mode, you can only connect to the datastore once from Management Console, the command-line interface, or API, using the same login credentials. Use the "select datastore" command to change the context between source and target after you have connected.

SYNTAX 1:

```
connect datastore
```

name	Specifies the name of the datastore that you want to connect to.
[username]	Specifies the datastore login username. This value is required when the datastore connection credentials are not set in Access Manager.
[password]	Specifies the datastore login password. This value is required when the datastore connection credentials are not set in Access Manager.
[context]	Identifies that the datastore will be set to the "source" or "target" context. If the "context" parameter is omitted, the datastore is set to both source and target, depending on the capabilities of the datastore. The context can be changed at any point without requiring a new connection to the datastore. VALID VALUES: source target

SYNTAX 2:

Connects to a datastore when the command line processor is running with an embedded Access Server. This command is not supported when you log on to a separate Access Server using the "connect server" command. Once a connection is established, subsequent connections to the same hostname and port must use the same name within a CHCCLP session.

connect datastore

name	Specifies the name of the datastore that you want to connect to.
username	Specifies the datastore login username.
password	Specifies the datastore login password.
hostname	Specifies the host name where datastore is installed.
port	Specifies the port number used to connect to datastore. VALID RANGE: 1 to 65535
[multiuser] editing.	Specifies that subscriptions must be locked before editing. VALID VALUES: true/yes false/no DEFAULT: false
[context]	Identifies that the datastore will be set to the "source" or "target" context. If the "context" parameter is omitted, the datastore is set to both source and target, depending on the capabilities of the datastore. The context can be changed at any point without requiring a new connection to the datastore. VALID VALUES: source target

SUCCESS CODE:

1201

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE 1:

Connects and disconnects from a datastore. The context will default to both source and target.

```
connect server username user1 password password1;
connect datastore name DS1;
disconnect datastore;
disconnect server;
exit;
```

SAMPLE 2:

Connects and disconnects from a datastore with login credentials, and specifies that the datastore will be used as the source datastore for subsequent commands. To view the current datastore context, use the "show context" command.

```
connect server username user1 password password1;
connect datastore name DS1 username dsuser1 password dspass1 context source;
show context;
disconnect datastore name DS1;
disconnect server;
exit;
```

SAMPLE 3:

Connects and disconnects from a datastore when the command line processor is running with an embedded Access Server, and specifies that the datastore will be used as the source datastore for subsequent commands. To view the current datastore context, use the "show context" command.

```
connect datastore name DS1 hostname ds1machine port 11211 username dbuser password
dbpass context source;
show context;
disconnect datastore name DS1;
exit;
```

define external target datastore

DESCRIPTION:

Defines an external target datastore for the session. Setting the target datastore context to the external target datastore allows you to create a subscription from your source datastore to a target datastore that is not part of your replication environment. This command functions similarly to an external target when creating a subscription in Management Console. External target datastores are not required when you connect to a defined source and target datastore to create, modify or monitor subscriptions.

SYNTAX:

define external target datastore

name	Specifies the name of the external datastore that you want to define. Use this name to select the external datastore as the target context prior to adding a new subscription. The name must uniquely define the datastore for the duration of the CHCCLP session.
dbPlatform	Specifies the operating system for the external target datastore to which you want to connect. VALID VALUES: DB2_i DB2_z Java
hostname	Specifies the host name or the IP address of the external target datastore to which you want to connect.
port	Specifies the port number of the external target datastore to which you want to connect. VALID RANGE: 1 to 65535
[username]	Specifies the name of the database user that owns the metadata.
[password]	Specifies the password to access the metadata database.

SUCCESS CODE:
1201

SINCE:
10.2.1

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Defines an external datastore.

```
connect server username user1 password password1;
connect datastore name SRCDS context source;
define external target datastore name EXTDS
  dbPlatform Java
  hostname host1 port 11001
  username dbuser1 password dbpassword1;
select datastore name EXTDS context target;
add subscription name SRC2EXT;
disconnect server;
exit;
```

delete system parameter

DESCRIPTION:
Deletes an existing system parameter for a datastore. The datastore may reset the value rather than deleting the parameter.

SYNTAX:
delete system parameter

[name] Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.

key Specifies the name for the system parameter to delete.

SUCCESS CODE:
1207

SINCE:
11.3

REQUIRED ROLE:
System administrator

SAMPLE:
Deletes a system parameter from the datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
delete system parameter key TRACE_FILE_COUNT;
list system parameters;
disconnect server;
exit;
```

disconnect datastore

DESCRIPTION:
Disconnects from a datastore.

SYNTAX:
disconnect datastore

[name] Specifies the name of the datastore that will be disconnected. If a value is not specified, you will be disconnected from the datastore that is currently set to source and target context.

SUCCESS CODE:
1202

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:
Connects and disconnects from the datastore currently set to source and target context.

```
connect server username user1 password password1;
connect datastore name DS1;
disconnect datastore;
disconnect server;
```

```
exit;
```

list database tables

DESCRIPTION:

Lists the database tables of the specified schema.

SYNTAX:

```
list database tables
```

[name]	Specifies the name of the datastore. If a name is not provided, the datastore that is currently set to source and target context will be used.
[database]	Specifies a filter for the name of the database when required for the datastore.
schema	Specifies a filter for the name of the schema.

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

List database tables.

```
connect server username user1 password password1;
connect datastore name DS1;
list database tables schema USER1;
disconnect server;
exit;
```

list database schemas

DESCRIPTION:

Lists the database schemas.

SYNTAX:

```
list database schemas
```

[name]	Specifies the name of the datastore. If a name is not provided, the datastore that is currently set to source and target context will be used.
[database]	Specifies a filter for the name of the database when required for the datastore.

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

List the database schemas.


```
connect server username user1 password password1;
connect datastore name DS1;
list database schemas;
disconnect server;
exit;
```

list databases

DESCRIPTION:

Lists the databases of the datastore.

SYNTAX:

```
list databases
```

[name]	Specifies the name of the datastore. If a name is not provided, the datastore that is currently set to source and target context will be used.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

List the databases.

```
connect server username user1 password password1;
connect datastore name DS1;
list databases;
disconnect server;
exit;
```

list datastores

DESCRIPTION:

Lists the datastores that are available to the user who connected to Access Server.

SYNTAX:

```
list datastores
```

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Connects to Access Server and lists the datastores that the user has access to.

```
connect server username user1 password password1;
list datastores;
disconnect server;
```

```
exit;
```

list datatypes

DESCRIPTION:

Lists the data types available with the datastore.

SYNTAX:

```
list datatypes
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Lists the data types available with the datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
list datatypes;
disconnect server;
exit;
```

list encodings

DESCRIPTION:

Lists the character encodings supported by the datastore.

SYNTAX:

```
list encodings
```

[name]	Specifies the name of the datastore. If a value is not specified, use the datastore that is currently set to source and target context.
--------	---

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Lists the character encodings supported by the datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
list encodings;
disconnect server;
```

```
exit;
```

list journal control fields

DESCRIPTION:

Lists the journal control fields.

SYNTAX:

```
list journal control fields
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Lists the journal control fields.

```
connect server username user1 password password1;
connect datastore name DS1;
list journal control fields;
disconnect server;
exit;
```

list system parameters

DESCRIPTION:

Lists the system parameters.

SYNTAX:

```
list system parameters
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
--------	--

SINCE:

10.2.1

REQUIRED ROLE:

System administrator

SAMPLE:

Lists the system parameters for the datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
list system parameters;
disconnect server;
```

```
exit;
```

modify system parameter

DESCRIPTION:

Modifies an existing system parameter for a datastore.

SYNTAX:

```
modify system parameter
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
key	Specifies the name for the system parameter to modify.
value	Specifies the value for the system parameter.

SUCCESS CODE:

1206

SINCE:

11.3

REQUIRED ROLE:

System administrator

SAMPLE:

Modifies a system parameter for the datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
modify system parameter key TRACE_FILE_COUNT value 5;
list system parameters;
disconnect server;
exit;
```

select datastore

DESCRIPTION:

Selects the datastore to be used for subsequent commands. Set the name to "" to clear the current source and target context. The source and target datastore contexts must be specified in order to create a subscription. Use the "show context" or "list datastores" commands to view which datastores are the source and target.

SYNTAX:

```
select datastore
```

name	Specifies the name of the datastore to be selected for use with subsequent commands.
[context]	Identifies that the datastore will be set to the "source" or "target" context. If the context parameter is omitted, the datastore is set to both source and target, depending on the capabilities of the datastore. The context can be changed at

any point without requiring a new connection to the datastore.

VALID VALUES:

source
target

SUCCESS CODE:

1203

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE 1:

Connects to two datastores, sets one to the source and one to the target after connection, and creates a new subscription between them.

```
connect server username user1 password password1;
connect datastore name DS1;
connect datastore name DS2;
select datastore name DS1 context source;
select datastore name DS2 context target;
add subscription name SUB1;
disconnect datastore name DS1;
disconnect datastore name DS2;
disconnect server;
exit;
```

SAMPLE 2:

Connects to two datastores, specifying the context during connection, and creates a new subscription between them. The "select datastore" command is not needed when the context is specified during connection.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add subscription name SUB1;
disconnect datastore name DS1;
disconnect datastore name DS2;
disconnect server;
exit;
```

show datastore

DESCRIPTION:

Shows the properties of a datastore.

SYNTAX:

show datastore

[name]	Specifies the name of the datastore whose properties will be displayed. If a name is not provided, the datastore that is currently set to
--------	---

source and target context will be used.

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Shows the properties of two datastores. The first "show datastore" will use the current context to identify and display properties for DS2. The second "show datastore" overrides the context and displays the properties for DS1.

```
connect server username user1 password password1;
connect datastore name DS1;
connect datastore name DS2;
show datastore;
show datastore name DS1;
disconnect datastore name DS1;
disconnect datastore name DS2;
disconnect server;
exit;
```

Tables commands

add replication table

DESCRIPTION:

Adds a table to the datastore for use as a source table for replication in a subscription. Adding tables to the datastore is optional. They are automatically added when the "add table mapping" command is executed.

SYNTAX:

add replication table

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
[database]	Specifies the name of the database containing the table to be added.
schema	Specifies the name of the schema.
table	Specifies the name of the table.

SUCCESS CODE:

1303

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Makes two tables available for replication.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add replication table schema USER1 table TABLE1;
add replication table schema USER1 table TABLE2;
list replication tables schema USER1;
disconnect server;
exit;
```

list index columns

DESCRIPTION:

Displays the columns and their sorting orders of an index.

SYNTAX:

list index columns

[name]	Specifies the name of the datastore. If a name is not provided, the datastore that is currently set to source and target context will be used.
[database]	Specifies the name of the database.
schema	Specifies the name of the schema.

table Specifies the name of the table.
index Specifies the full name of the index using the format schema.indexname or database.schema.indexname where database is supported.

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Lists the columns in the index. Use the "list table indexes" command to view the available indexes.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
list table indexes schema USER1 table TABLE1;  
list index columns schema USER1 table TABLE1 index USER1.P_TABLE1;  
disconnect server;  
exit;
```

list replication tables

DESCRIPTION:
Lists the tables in your source datastore that are in subscriptions or available for use as source tables in a subscription.

SYNTAX:
list replication tables

[name] Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
[database] Specifies a filter for the name of the database. If database is omitted, the command lists all tables.
[schema] Specifies a filter for the name of the schema. If schema is omitted, the command lists all tables.
[filter] Specifies to list all replication tables or only replication tables that are not used in any subscription.

VALID VALUES:

all
unused

DEFAULT:

all

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:

List the tables available for replication in schema USER1.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
list replication tables schema USER1;
disconnect server;
exit;
```

list table columns

DESCRIPTION:

Displays the structure of a database table.

SYNTAX:

```
list table columns
```

[name]	Specifies the name of the datastore. If a name is not provided, the datastore that is currently set to source and target context will be used.
[database]	Specifies the name of the database.
schema	Specifies the name of the schema.
table	Specifies the name of the table.

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Lists the columns in a table.

```
connect server username user1 password password1;
connect datastore name DS1;
list table columns schema USER1 table TABLE1;
disconnect server;
exit;
```

list table indexes

DESCRIPTION:

Displays the indexes available for a database table.

SYNTAX:

```
list table indexes
```

[name]	Specifies the name of the datastore. If a name is not provided, the datastore that is currently set to source and target context will be used.
[database]	Specifies the name of the database.
schema	Specifies the name of the schema.
table	Specifies the name of the table.

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Lists the indexes for a table.

```
connect server username user1 password password1;
connect datastore name DS1;
list table indexes schema USER1 table TABLE1;
disconnect server;
exit;
```

readd replication table

DESCRIPTION:
Re-adds a table to the datastore so that the datastore metadata matches the database structure. After executing the "readd replication table" command, any subscriptions containing the table must be described using the "describe subscription" command. Any table mappings that use the table as a source must be reassigned using the "reassign table mapping" command.

SYNTAX:
readd replication table

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
[database]	Specifies the database for the table.
schema	Specifies the schema for the table.
table	Specifies the name of the table.

SUCCESS CODE:
1306

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Updates the metadata definition of a database table.

```
connect server username user1 password password1;
connect datastore name DS1;
list table columns schema USER1 table TABLE1;
readd replication table schema USER1 table TABLE1;
list table columns schema USER1 table TABLE1;
disconnect server;
exit;
```

remove replication table

DESCRIPTION:

Removes a table from replication, or remove tables that are not used in any subscription from replication. A table cannot be removed if it is currently used as a source table in a subscription.

SYNTAX:

```
remove replication table
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
[database]	Specifies the name of the database.
[schema]	Specifies the name of the schema.
[table]	Specifies the name of the table.
[filter]	Specifies to remove only the specified replication table or remove replication tables that are not used by any subscription.

VALID VALUES:
 specified
 unused

DEFAULT:
 specified

SUCCESS CODE:

1307

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Removes a table from replication.

```
connect server username user1 password password1;
connect datastore name DS1;
list table columns schema USER1 table TABLE1;
remove replication table schema USER1 table TABLE1;
disconnect server;
exit;
```

Subscriptions commands

add subscription

DESCRIPTION:

Creates a new subscription and sets it to the current context. The source and target datastore contexts identify the datastores for the subscription. To set the datastore context, use the "select datastore" command. To view the current datastore context, use the "show context" command.

SYNTAX:

add subscription

name	Specifies the name of the new subscription. The subscription name must be unique on the source
datastore. [description]	Specifies the description of the subscription. VALID VALUES: Maximum length: 50 DEFAULT: ""
[sourceid]	Specifies the source identifier for the subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be derived from the subscription name.
[transferableWork]	Selects the datastore to handle transferable work. VALID VALUES: source target DEFAULT: target
[tcphostname]	Specifies the TCP host name for the target datastore. If no TCP host name is provided or the value is specified as "autoSelect", the host name is set to auto-select based on the target datastore.
[firewallport]	Specifies the port number used to connect to the target datastore through a firewall. VALID RANGE: 1 to 65535
[persistence]	Marks the subscription as persistent, if supported by the datastore. When the parameter is not provided, Classic CDC subscriptions will be marked as persistent and all other subscriptions will be marked as non-persistent. VALID VALUES: true/yes false/no
[mirrorContinueOnError]	Indicates if mirroring should continue on error. VALID VALUES: default end continue

DEFAULT:
 default
 [refreshContinueOnError] Indicates if refresh should continue on error.
 VALID VALUES:
 default
 end
 continue
 DEFAULT:
 default
 [relatedSubscriptions] Specifies the related subscriptions for recursion
 prevention. Use "" for none, "*" for all, or a
 comma-delimited list of subscription source ids.
 [engineCommunication] Specifies the communication protocol between
 engines, where supported.
 VALID VALUES:
 tcp
 jms
 DEFAULT:
 tcp
 [maintainHistory] Specifies whether the source datastore will
 replicate history tables or the target database
 will maintain history, when system or bitemporal
 tables are supported by the source and target
 datastores. It does not apply to rule based replication.
 VALID VALUES:
 source
 target
 [minimizeNetworkLoad] Specifies whether to minimize network load even
 when that may increase replication latency.
 VALID VALUES:
 true/yes
 false/no
 DEFAULT:
 false

SUCCESS CODE:
 1301

SINCE:
 10.2

REQUIRED ROLE:
 Administrator, system administrator

SAMPLE:
 Creates a new subscription.

```

connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add subscription name SUB1;
disconnect server;
exit;

```

delete subscription

DESCRIPTION:

Deletes a subscription.

SYNTAX:

```
delete subscription
```

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

SUCCESS CODE:

1311

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE 1:

Deletes a subscription by name.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
delete subscription name SUB1;
disconnect server;
exit;
```

SAMPLE 2:

Deletes a subscription based on the current context.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
delete subscription;
disconnect server;
exit;
```

describe subscription

DESCRIPTION:

Notifies the target datastore about changes to a subscription.

SYNTAX:

```
describe subscription
```

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is

currently identified as the context will be used.
To view the current context, use the "show
context" command.

SUCCESS CODE:
1304

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Describes changes to a subscription to the target datastore.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
describe subscription name SUB1;  
disconnect server;  
exit;
```

export datastage job definition

DESCRIPTION:
Generates an InfoSphere DataStage job definition for the subscription and exports it
to a file.

SYNTAX:
export datastage job definition

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[filename]	Specifies the fully qualified output DSX file name for the InfoSphere DataStage job definition export. Use double quotes to surround the file name. ".dsx" will be appended to the file name, if it does not end with the DSX extension. If file name is not provided, the output file name will default to subscription's name.

SUCCESS CODE:
1000

SINCE:
11.3

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:

Generates InfoSphere DataStage job definition for the subscription in context and exports it to a file.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
export datastage job definition filename "c:\\files\\sub1.dsx";
disconnect server;
exit;
```

export subscription

DESCRIPTION:

Exports a subscription definition into an XML file. The XML file can be loaded using the "import subscription" command or using the import wizard in Management Console. Export requires additional connections to the source and target datastores and cannot run when a multiuser configuration is enabled. Use Management Console to export when a multiuser configuration is in use.

SYNTAX:

```
export subscription
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[filename]	Specifies the fully qualified output XML file name for the subscription export. Use double quotes to surround the file name. ".xml" will be appended to the file name, if it does not end with the XML extension. If file name is not provided, the output file name will default to subscription's name.

SUCCESS CODE:

1326

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects a subscription and exports it to file.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
export subscription filename "c:\\files\\sub1.xml";
disconnect server;
exit;
```


import subscription

DESCRIPTION:

To import the subscription defined in the XML file to a new subscription or to an existing one. The XML file can be created using the "export subscription" command, the "export table mapping" command, the "export rule set" command, or using the export wizard in Management Console. Import requires additional connections to the source and target datastores and cannot run when a multiuser configuration is enabled. Use Management Console to import when a multiuser configuration is in use.

SYNTAX 1:

```
import subscription
```

filename	Specifies the name of the XML file that contains subscription definition to be imported.
type	Specifies whether you want to import the subscription defined in the XML file to a new subscription or to an existing one. If you are importing into an existing subscription, you will need to specify whether to replace all mappings in the existing subscription, or only replace mappings from the imported subscription. VALID VALUES: new existingReplaceAll existingKeepExtra
[name]	Specifies the name of the subscription to import. If a value is not specified, it will default to the subscription name from the XML definition.
[sourceid]	Specifies the source identifier for the new subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be the first eight characters of the subscription name. VALID VALUES: Maximum length: 8
[sourceDatastore]	Specifies the name of the source datastore for the imported subscription. If a value is not specified, it will default to the datastore that is currently set to source context.
[targetDatastore]	Specifies the name of the target datastore for the imported subscription. If a value is not specified, it will default to the datastore that is currently set to target context.
[oldSourceSchema(*)]	Specifies the table owner in the original subscription on the old source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and imported subscription need to be specified. For each old source schema, you must provide the new source schema.
[newSourceSchema(*)]	Specifies the table owner in the promotion subscription on the new source datastore. Use

	database.schema when required by the datastore. Only schemas that are changing between the original and imported subscription need to be specified. For each old source schema, you must provide the new source schema.
[oldTargetSchema(*)]	Specifies the table owner in the original subscription on the old target datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and imported subscription need to be specified. For each old target schema, you must provide the new target schema.
[newTargetSchema(*)]	Specifies the table owner in the promotion subscription on the new target datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and imported subscription need to be specified. For each old target schema, you must provide the new target schema.

(*) Parameter can be specified more than once.

SYNTAX 2:

To import the Classic CDC for publishing subscription defined in the XML file to a new subscription or to an existing one.

import subscription

filename	Specifies the name of the XML file that contains subscription definition to be imported.
[name]	Specifies the name of the subscription to import. If a value is not specified, it will default to the subscription name from the XML definition.
type	Specifies whether you want to import the subscription defined in the XML file to a new subscription or to an existing one. If you are importing into an existing subscription, you will need to specify whether to replace all mappings in the existing subscription, or only replace mappings from the imported subscription. VALID VALUES: new existingReplaceAll existingKeepExtra
[sourceid]	Specifies the source identifier for the new subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be the first eight characters of the subscription name. VALID VALUES: Maximum length: 8
[sourceDatastore]	Specifies the name of the source datastore for the imported subscription. If a value is not specified, it will default to the datastore that

[oldSourceSchema(*)]	is currently set to source context. Specifies the table owner in the original subscription on the old source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and imported subscription need to be specified. For each old source schema, you must provide the new source schema.
[newSourceSchema(*)]	Specifies the table owner in the promotion subscription on the new source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and imported subscription need to be specified. For each old source schema, you must provide the new source schema.
targetQueue	Specifies the name of the target queue.

(*) Parameter can be specified more than once.

SUCCESS CODE:

1327

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE 1:

Imports a subscription saved in sub1.xml into a new subscription called SUB2.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
import subscription filename "c:\\files\\sub1.xml" type new name SUB2;
disconnect server;
exit;
```

SAMPLE 2:

Imports a Classic CDC for publishing subscription saved in sub1.xml into a new subscription called SUB2.

```
connect server username user1 password password1;
connect datastore name DS1;
import subscription filename "c:\\files\\sub1.xml" type new name SUB2 targetQueue
QUEUE2;
disconnect server;
exit;
```

list subscriptions

DESCRIPTION:

Lists the subscriptions that are currently loaded.

SYNTAX:

list subscriptions

[filter]	Specifies how the subscriptions will be selected. If a datastore filter is selected and the name is not provided, the current context will be used. VALID VALUES: all datastore DEFAULT: all
[name]	Specifies the name of the datastore when the filter is set to datastore.
[reload]	Optionally reloads subscriptions. VALID VALUES: true/yes false/no DEFAULT: false

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE 1:
Lists all of the subscriptions for the connected datastores.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
list subscriptions;
disconnect server;
exit;
```

SAMPLE 2:
Lists all of the subscriptions where datastore DS1 is either the source or target.

```
connect server username user1 password password1;
connect datastore name DS1;
list subscriptions filter datastore name DS1;
disconnect server;
exit;
```

SAMPLE 3:
Lists all of the subscriptions between source datastore DS1 and target datastore DS2.

```
connect server username user1 password password1;
connect datastore name DS1;
connect datastore name DS2;
list subscriptions filter datastore;
disconnect server;
exit;
```

list subscription lock history

DESCRIPTION:

Lists the history of locks on a subscription.

SYNTAX:

```
list subscription lock history
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

11.3

REQUIRED ROLE:

Any

SAMPLE:

Lists the history of locks on a subscription.

```
connect server username user1 password password1;
connect datastore name DS1;
select subscription name SUB1;
lock subscription;
...
unlock subscription comment 'Updated the mapping for the customer table.';
list subscription lock history;
disconnect server;
exit;
```

lock subscription

DESCRIPTION:

Locks a subscription for editing. Locking is only available when the datastore is configured for multiuser mode in Access Manager. Use the "show subscription" command to view whether the subscription is already locked and which user locked it.

SYNTAX:

```
lock subscription
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SUCCESS CODE:

1322

SINCE:

10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Locks the selected subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
lock subscription;
disconnect server;
exit;
```

modify latency thresholds

DESCRIPTION:
Modifies latency thresholds for a subscription.

SYNTAX:
modify latency thresholds

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
enabled	Enables latency thresholds. The problem and warning threshold parameters are not required when you disable latency thresholds. VALID VALUES: true/yes false/no
[warning]	Specifies the warning threshold in minutes. Use zero to set no warning threshold. VALID RANGE: 0 to 2147483647
[problem]	Specifies the problem threshold in minutes. The problem threshold must be greater than the warning threshold. VALID RANGE: 0 to 2147483647

SUCCESS CODE:
1305

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Specifies a problem threshold of 2 minutes and a warning threshold of 1 minute.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify latency thresholds enabled true problem 2 warning 1;
disconnect server;
exit;
```

SAMPLE 2:

Specifies a problem threshold of 5 minutes and no warning threshold.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify latency thresholds enabled true problem 5 warning 0;
disconnect server;
exit;
```

SAMPLE 3:

Disables latency thresholds.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify latency thresholds enabled false;
disconnect server;
exit;
```

modify subscription

DESCRIPTION:

Modifies the properties of an existing subscription.

SYNTAX:

modify subscription

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[description]	Specifies the description of the subscription. VALID VALUES: Maximum length: 50
[transferableWork]	Selects the datastore to handle transferable work. VALID VALUES: source target
[tcphostname]	The TCP host name for the target datastore. If the value is specified as "autoSelect", the host name is set to auto-select based on the target datastore.
[firewallport]	The firewall port number used to connect to the

target datastore. Specify -1 to clear the firewall port number.
VALID RANGE:
1 to 65535, -1

[persistence] Marks the subscription as persistent, if supported by the datastore.
VALID VALUES:
true/yes
false/no

[mirrorContinueOnError] Indicates if mirroring should continue on error.
VALID VALUES:
default
end
continue

[refreshContinueOnError] Indicates if refresh should continue on error.
VALID VALUES:
default
end
continue

[relatedSubscriptions] Specifies the related subscriptions for recursion prevention. Use "" for none, "*" for all, or a comma-delimited list of subscription source ids.

[engineCommunication] Specifies the communication protocol between engines, where supported.
VALID VALUES:
tcp
jms

[maintainHistory] Specifies whether the source datastore will replicate history tables or the target database will maintain history, when system or bitemporal tables are supported by the source and target datastores. It does not apply to rule based replication.
VALID VALUES:
source
target

[port] Specifies the port number of the external target datastore to which you want to connect.
VALID RANGE:
1 to 65535

[username] Specifies the name of the database user that owns the metadata.

[password] Specifies the password to access the metadata database.

[minimizeNetworkLoad] Specifies whether to minimize network load even when that may increase replication latency.
VALID VALUES:
true/yes
false/no

SUCCESS CODE:
1302

SINCE:
10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects a subscription and modifies its error attributes.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription mirrorContinueOnError end refreshContinueOnError end;
disconnect server;
exit;
```

modify subscription datastage properties

DESCRIPTION:

Modifies the InfoSphere DataStage properties for a subscription.

SYNTAX 1:

Modifies the properties for a subscription that uses Direct Connect connection option.

modify subscription datastage properties

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[batchSizeMaxRows]	Specifies the number of rows that can be changed before subscription data is sent to InfoSphere DataStage.
	VALID RANGE: 1 to 2147483647
[batchSizeTimeSeconds]	Specifies the amount of elapsed time before subscription data is sent to InfoSphere DataStage.
	VALID RANGE: 1 to 2147483647
[clobTruncationSize]	Specifies the truncation point for large character data (in characters).
	VALID RANGE: 1 to 2147483647
[blobTruncationSize]	Specifies the truncation point for large binary data (in bytes).
	VALID RANGE: 1 to 2147483647
projectName	Specifies one part of a unique identifier for the job that is being sent to InfoSphere DataStage using the direct connect option.
jobName	Specifies another part of a unique identifier for the job that is being sent to InfoSphere DataStage using the direct connect option.
[connectionKey]	Identifies the connection key information used by InfoSphere DataStage to authenticate the job sending data using the direct connect option.

[autoStartJob] Specifies that the job will auto-start. Requires that InfoSphere DataStage server and the InfoSphere Data Replication for InfoSphere DataStage server are both installed on the same machine.
VALID VALUES:
true/yes
false/no

SYNTAX 2:

Modifies the properties for a subscription that uses Flat File or Apache Hadoop connection option.

modify subscription datastage properties

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

[batchSizeMaxRows] Specifies the number of rows that can be changed before subscription data is sent to InfoSphere DataStage.
VALID RANGE:
1 to 2147483647

[batchSizeTimeSeconds] Specifies the amount of elapsed time before subscription data is sent to InfoSphere DataStage.
VALID RANGE:
1 to 2147483647

[clobTruncationSize] Specifies the truncation point for large character data (in characters).
VALID RANGE:
1 to 2147483647

[blobTruncationSize] Specifies the truncation point for large binary data (in bytes).
VALID RANGE:
1 to 2147483647

[includeRecordCount] Includes the record count in the filename.
VALID VALUES:
true/yes
false/no

SUCCESS CODE:
1302

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Selects a subscription with InfoSphere DataStage flat file table mappings and modifies the batch settings.

```
connect server username user1 password password1;
```

```

connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription datastage properties batchSizeMaxRows 1000 batchSizeTimeSeconds
60;
disconnect server;
exit;

```

SAMPLE 2:

Selects a subscription with InfoSphere DataStage direct connect table mappings and modifies the project information.

```

connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription datastage properties projectName MAIN jobName SUB1;
disconnect server;
exit;

```

modify subscription cloudant properties

DESCRIPTION:

Modifies the Cloudant properties for a subscription.

SYNTAX:

Modifies the properties for a subscription that delivers source changes to Cloudant.

modify subscription cloudant properties

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[clobTruncationSize]	Specifies the truncation point for large character data (in characters). VALID RANGE: 1 to 2147483647
[blobTruncationSize]	Specifies the truncation point for large binary data (in bytes). VALID RANGE: 1 to 2147483647
[cloudantHost]	Specifies the host name to connect to Cloudant.
[username]	Specifies the username to connect to Cloudant.
[password]	Specifies the password to connect to Cloudant.

SUCCESS CODE:

1302

SINCE:

11.3.3

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects a subscription with Cloudant table mappings and modifies the Cloudant connection settings.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription cloudant properties cloudantHost 'user1.cloudant.com' username
USER1 password PASS1;
disconnect server;
exit;
```

modify subscription confluent properties

The command "modify subscription confluent properties" is not available because the dependency feature is not supported.

modify subscription kafka properties

DESCRIPTION:

Modifies the Kafka properties for a subscription.

SYNTAX:

modify subscription kafka properties

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[communicationMethod]	Specifies the communication method used for Kafka apply: via Java API calls to ZooKeeper Server or via HTTP requests to Kafka REST Proxy. VALID VALUES: ZooKeeper RESTProxy
[kafkaHost]	Specifies the host name of the Kafka REST Proxy or ZooKeeper server.
[kafkaPort]	Specifies the port number of the Kafka REST Proxy or ZooKeeper server. VALID RANGE: 1 to 65535
[encrypted]	Specifies whether to use secure or unsecure socket connection. VALID VALUES: true/yes false/no
[topicPrefix]	Specifies a subscription scope root prefix for topic names.
[commitStreamTopicName]	Specifies the commit stream topic name.
[schemaRegistryHost]	Specifies the host name of the Schema Registry REST server.

[schemaRegistryPort] Specifies the port number of the Schema Registry REST server.
VALID RANGE:
1 to 65535

[schemaRegistryEncrypted] Specifies whether to use secure or unsecure socket connection.
VALID VALUES:
true/yes
false/no

SUCCESS CODE:
1302

SINCE:
11.4

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Modifies the Kafka properties for a subscription and displays the new values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DSKAFKA context target;
select subscription name SUB1;
modify subscription kafka properties
  communicationMethod ZooKeeper
  kafkaHost hostname kafkaPort 2181 encrypted true
  topicPrefix CATALOG commitStreamTopicName CSTopic
  schemaRegistryHost hostname schemaRegistryPort 8081 schemaRegistryEncrypted
true;
show subscription kafka properties;
disconnect server;
exit;
```

modify subscription hadoop properties

DESCRIPTION:
Modifies the Hadoop properties for a subscription.

SYNTAX 1:
Modifies the properties for a subscription that delivers source changes to Apache Hadoop Local HDFS.

modify subscription hadoop properties

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

[batchSizeMaxRows] Specifies the number of rows that can be changed before subscription data is sent.
VALID RANGE:

[batchSizeTimeSeconds]	1 to 2147483647 Specifies the amount of elapsed time before subscription data is sent. VALID RANGE:
[clobTruncationSize]	1 to 2147483647 Specifies the truncation point for large character data (in characters). VALID RANGE:
[blobTruncationSize]	1 to 2147483647 Specifies the truncation point for large binary data (in bytes). VALID RANGE:
[includeRecordCount]	1 to 2147483647 Includes the record count in the filename. VALID VALUES: true/yes false/no

SYNTAX 2:

Modifies the properties for a subscription that delivers source changes to Apache Hadoop Web HDFS.

modify subscription hadoop properties

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[batchSizeMaxRows]	Specifies the number of rows that can be changed before subscription data is sent. VALID RANGE:
[batchSizeTimeSeconds]	1 to 2147483647 Specifies the amount of elapsed time before subscription data is sent. VALID RANGE:
[clobTruncationSize]	1 to 2147483647 Specifies the truncation point for large character data (in characters). VALID RANGE:
[blobTruncationSize]	1 to 2147483647 Specifies the truncation point for large binary data (in bytes). VALID RANGE:
[includeRecordCount]	1 to 2147483647 Includes the record count in the filename. VALID VALUES: true/yes false/no
[authType]	Specifies the authentication type for connection to Apache Hadoop Web HDFS Server. VALID VALUES: simple kerberos
[serverUrl]	Specifies the URL of Apache Hadoop Web HDFS Server.

[username]	Specifies the user name for simple authentication.
[password]	Specifies the password for simple authentication.
[principal]	Specifies the principal name for kerberos authentication.
[keytabPath]	Specifies the keytab file path for kerberos authentication.

SUCCESS CODE:
1302

SINCE:
11.3.3

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Selects a subscription with Local HDFS table mappings and modifies the batch settings.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription hadoop properties batchSizeMaxRows 1000 batchSizeTimeSeconds
60;
disconnect server;
exit;
```

SAMPLE 2:
Selects a subscription with Web HDFS table mappings and modifies the connection properties for Simple authentication.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription hadoop properties authType simple
    serverUrl 'http://someServer.com:2222'
    username user1
    password pwd1;
disconnect server;
exit;
```

SAMPLE 3:
Selects a subscription with Web HDFS table mappings and modifies the connection properties for Kerberos authentication.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription hadoop properties authType kerberos
    serverUrl 'http://someServer.com:2222'
    principal 'user1@REALM.COM'
```

```
keytabPath '/home/krb5.keytab';
disconnect server;
exit;
```

modify subscription publishing properties

DESCRIPTION:

Modifies the publishing properties for a Classic CDC subscription.

SYNTAX:

```
modify subscription publishing properties
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[maxMessageSize]	Specifies the maximum message size (in bytes). VALID RANGE: 4096 to 2147483647
targetQueue	Specifies the target queue name. VALID VALUES: Maximum length: 48
[topic]	Specifies a topic for the message header. VALID VALUES: Maximum length: 254

SUCCESS CODE:

1302

SINCE:

11.3.3

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Modifies the publishing properties for a subscription and displays the new values.

```
connect server username user1 password password1;
connect datastore name CLASSICDS1;
select subscription name SUB1;
modify subscription publishing properties targetQueue QUEUE1;
show subscription publishing properties;
disconnect server;
exit;
```

modify subscription user exit

DESCRIPTION:

Modifies user exits for the subscription.

SYNTAX:

```
modify subscription user exit
```


[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[type]	Specifies the user exit's function type. VALID VALUES: javaclass
[classname]	Specifies the name of the Java class user exit that implements the SubscriptionUserExitIF interface. If a class name is not provided, the user exit will be cleared.
[parameter]	Specifies the parameters that are to be used with the user exit program.

SUCCESS CODE:
1309

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Selects a subscription and sets a user exit.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription user exit classname CustomHandler;
disconnect server;
exit;
```

promote subscription

DESCRIPTION:
Promote the specified subscription to a new subscription or to an existing one. Promotion requires additional connections to the source and target datastores and cannot run when a multiuser configuration is enabled. Use Management Console to promote when a multiuser configuration is in use.

SYNTAX 1:
promote subscription

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
type	Specifies whether you want to promote the subscription to a new subscription or to an existing one. If promote into existing one,

specifies to replace all mappings in the existing subscription, or only replace mappings of the subscription promoted from.

VALID VALUES:

- new
- existingReplaceAll
- existingKeepExtra

[promotionName]	Specifies the name of the subscription to promote into. If not specified, default to the subscription name that promoted from.
[sourceid]	Specifies the source identifier for the new subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be the first eight characters of the subscription name. VALID VALUES: Maximum length: 8
[sourceDatastore]	Specifies the name of the source datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to source context.
[targetDatastore]	Specifies the name of the target datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to target context.
[oldSourceSchema(*)]	Specifies the table owner in the original subscription on the old source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
[newSourceSchema(*)]	Specifies the table owner in the promotion subscription on the new source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
[oldTargetSchema(*)]	Specifies the table owner in the original subscription on the old target datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old target schema, you must provide the new target schema.
[newTargetSchema(*)]	Specifies the table owner in the promotion subscription on the new target datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old target schema, you must provide the new target schema.

(*) Parameter can be specified more than once.

SYNTAX 2:

Promote the specified Classic CDC for publishing subscription to a new subscription or to an existing one.

promote subscription

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
type	Specifies whether you want to promote the subscription to a new subscription or to an existing one. If promote into existing one, specifies to replace all mappings in the existing subscription, or only replace mappings of the subscription promoted from. VALID VALUES: new existingReplaceAll existingKeepExtra
[promotionName]	Specifies the name of the subscription to promote into. If not specified, default to the subscription name that promoted from.
[sourceid]	Specifies the source identifier for the new subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be the first eight characters of the subscription name. VALID VALUES: Maximum length: 8
[sourceDatastore]	Specifies the name of the source datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to source context.
[oldSourceSchema(*)]	Specifies the table owner in the original subscription on the old source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
[newSourceSchema(*)]	Specifies the table owner in the promotion subscription on the new source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
targetQueue	Specifies the name of the target queue for the promotion subscription.

(*) Parameter can be specified more than once.

SUCCESS CODE:
1328

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Selects a subscription and promotes it to a new subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
promote subscription type new promotionname SUB2;
disconnect server;
exit;
```

SAMPLE 2:
Selects a Classic CDC for publishing subscription and promotes it to a new subscription.

```
connect server username user1 password password1;
connect datastore name DS1;
select subscription name SUB1;
promote subscription type new promotionname SUB2 targetQueue QUEUE2;
disconnect server;
exit;
```

select subscription

DESCRIPTION:
Set the selected subscription as active for subsequent commands. Use the "show context" command or the "list subscriptions" command to view which subscription is currently the context.

SYNTAX:
select subscription

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[sourceDatastore]	Specifies the name of the source datastore of the subscription. If not specified, the current source datastore context will be used.
[targetDatastore]	Specifies the name of the target datastore of the subscription. If not specified, the current target datastore context will be used.

SUCCESS CODE:
1308

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:
Selects a subscription and shows that it is the current context.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
show context;
disconnect server;
exit;
```

show latency thresholds

DESCRIPTION:
Display latency thresholds for the subscription.

SYNTAX:
show latency thresholds

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Displays the latency threshold settings for a subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
show latency thresholds name SUB1;
disconnect server;
exit;
```

show subscription

DESCRIPTION:
Show the properties of a subscription.

SYNTAX:
show subscription

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Displays the properties of a subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
show subscription;
disconnect server;
exit;
```

show subscription datastage properties

DESCRIPTION:
Shows the InfoSphere DataStage properties for a subscription with an InfoSphere DataStage target.

SYNTAX:
show subscription datastage properties

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Modifies the InfoSphere DataStage configuration properties for a subscription that contains flat file or direct connect mappings and displays the new values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
```

```
select subscription name SUB1;
modify subscription datastage properties batchSizeMaxRows 1000 batchSizeTimeSeconds
60;
show subscription datastage properties;
disconnect server;
exit;
```

show subscription cloudant properties

DESCRIPTION:

Shows the Cloudant properties for a subscription with a Cloudant target.

SYNTAX:

```
show subscription cloudant properties
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

11.3.3

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Modifies the Cloudant configuration properties for a subscription that contains Cloudant mappings and displays the new values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription cloudant properties cloudantHost 'user1.cloudant.com' username
USER1 password PASS1;
show subscription cloudant properties;
disconnect server;
exit;
```

show subscription confluent properties

The command "show subscription confluent properties" is not available because the dependency feature is not supported.

show subscription kafka properties

DESCRIPTION:

Shows the Kafka properties for a subscription.

SYNTAX:

```
show subscription kafka properties
```

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

SINCE:
11.4

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Modifies the Kafka properties for a subscription and displays the new values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DSKAFKA context target;
select subscription name SUB1;
modify subscription kafka properties topicPrefix CATALOG commitStreamTopicName
CSTopic;
show subscription kafka properties;
disconnect server;
exit;

show subscription hadoop properties
```

DESCRIPTION:
Shows the Hadoop properties for a subscription with a Apache Hadoop target.

SYNTAX:
show subscription hadoop properties

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

SINCE:
11.3.3

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Modifies the Hadoop configuration properties for a subscription that contains apache hadoop mappings and displays the new values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription hadoop properties batchSizeMaxRows 1000 batchSizeTimeSeconds
60;
```



```
show subscription hadoop properties;
disconnect server;
exit;
```

show subscription publishing properties

DESCRIPTION:

Shows the publishing properties for a Classic CDC subscription.

SYNTAX:

```
show subscription publishing properties
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

11.3.3

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Modifies the publishing properties for a subscription and displays the new values.

```
connect server username user1 password password1;
connect datastore name CLASSICDS1;
select subscription name SUB1;
modify subscription publishing properties targetQueue QUEUE1;
show subscription publishing properties;
disconnect server;
exit;
```

show subscription user exit

DESCRIPTION:

Display user exits for the subscription.

SYNTAX:

```
show subscription user exit
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Modifies the user exit settings for a subscription and displays its new values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify subscription user exit classname CustomHandler;
show subscription user exit;
disconnect server;
exit;
```

unlock subscription

DESCRIPTION:

Unlocks a subscription.

SYNTAX:

```
unlock subscription
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[comment]	Specifies an optional comment to record with the unlocking of the subscription.

SUCCESS CODE:

1323

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Locks a subscription for a configuration change and unlocks it when the change is complete.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
lock subscription;
add table mapping sourceschema USER1 sourcetable SUPPLY targetschema USER1
targettable SUPPLY;
unlock subscription comment "Mapped the SUPPLY table.";
disconnect server;
exit;
```

update subscription target

DESCRIPTION:

Updates subscription target information when there is change in target datastore's access parameters. Access parameters include information such as user ID, password, host name, and port.

SYNTAX:

```
update subscription target
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[targetDatastore]	Specifies the name of the target datastore for which its access parameters will be used to update the subscription's target information. If a target datastore name is not provided, the original target datastore name of the subscription will be used.

SUCCESS CODE:

1334

SINCE:

11.3.3.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Modifies access parameter for a datastore, then select the subscription that uses this datastore as a target, update subscription to reflect the changes of the target datastore access parameters.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add subscription name SUB1;
add table mapping sourceSchema USER1 sourceTable TABLE1
    targetSchema USER1 targetTable TABLE1;
disconnect datastore name DS2;
modify access datastore name DS2 hostname server2.host.com port 22222;
connect datastore name DS2 context target;
select subscription name SUB1 sourceDatastore DS1;
update subscription target name SUB1 targetDatastore DS2;
disconnect server;
exit;
```

Table mappings/rule sets commands

add rule set

DESCRIPTION:

Defines rules that identify which tables are in scope for replication.

SYNTAX:

```
add rule set
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
ruleName	Specifies the name of the rule set. Rule set names must be unique within a subscription. VALID VALUES: Maximum length: 128
schema	Specifies the schema for the new rule set.
[structureOnly]	Specifies whether to replicate only structural (DDL), not data (DML), changes for the tables included in the rule. VALID VALUES: true/yes false/no DEFAULT: false
[includeAll]	Specifies whether to allow all tables to be considered for inclusion in the rule set. VALID VALUES: true/yes false/no DEFAULT: false
[includePattern(*)]	Specifies the criteria by which tables will be judged for inclusion from the rule set. Patterns are case-sensitive.
[includeMatch(*)] inclusion.	Specifies the pattern matching type used for table inclusion. VALID VALUES: exact startsWith contains endsWith
[excludePattern(*)]	Specifies the criteria by which tables will be judged for exclusion in from the rule set. Patterns are case-sensitive.
[excludeMatch(*)]	Specifies the pattern matching type used for table exclusion. VALID VALUES: exact startsWith contains

endsWith

(*) Parameter can be specified more than once.

SUCCESS CODE:

1701

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE 1:

Creates a subscription and adds a rule set to include tables that starts with "A" or "B" for the given schema and exclude tables that ends with "C".

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add subscription name SUB1;
add rule set ruleName RULE1 schema USER1 structureOnly false
  includePattern "A" includeMatch startsWith
  includePattern "B" includeMatch startsWith
  excludePattern "C" excludeMatch endsWith;
list rule sets;
disconnect server;
exit;
```

SAMPLE 2:

Creates a subscription and adds a rule set to include all tables for the given schema and exclude table "X" and table "Y".

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add subscription name SUB1;
add rule set ruleName RULE1 schema USER1 structureOnly false
  includeAll yes
  excludePattern "X" excludeMatch exact
  excludePattern "Y" excludeMatch exact;
list rule sets;
disconnect server;
exit;
```

add table mapping

DESCRIPTION:

Maps a source table to a target table and sets the table mapping to the current context.

SYNTAX 1:

Maps a source table to a target table.

```
add table mapping
```

[name]	Specifies the name of the subscription. When source datastore is unknown, specifies the source ID of the subscription. If a name or source ID is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[sourceDatabase]	Specifies the database for the source table. When source datastore is unknown, specifies the source database name known by the target datastore.
sourceSchema	Specifies the schema for the source table. When source datastore is unknown, specifies the source schema name known by the target datastore.
sourceTable	Specifies the name of the source table. When source datastore is unknown, specifies the source table name known by the target datastore.
[targetDatabase]	Specifies the database for the target table.
targetSchema	Specifies the schema for the target table.
targetTable	Specifies the name of the target table.
[targetIndexMode]	Specifies the mode used to locate a row in the target table. VALID VALUES: autoDetect index allSearchable columns DEFAULT: autoDetect
[targetIndexSchema]	Specifies the schema of the target index.
[targetIndexName]	Specifies the name of the target index.
[targetIndexColumns]	Specifies a comma-delimited list of columns used to identify a row when the target index mode is set to column.
[type]	Specifies the table mapping type. VALID VALUES: standard adaptive summarization audit consolidationOneToOne consolidationOneToMany DEFAULT: standard
[method]	Specifies the replication method for the table mapping. VALID VALUES: mirror refresh DEFAULT: mirror
[preventRecursion]	Specifies whether to prevent from replicating changes back to the source database when a subscription is configured for bidirectional replication. VALID VALUES: true/yes

	false/no DEFAULT: false
[relativeRecordNumber]	Specifies whether the relative record number is used to update the target from an IBM i source datastore.
	VALID VALUES: true/yes false/no DEFAULT: false
[memberReplication]	Specifies the member replication scheme when source and target are IBM i datastores.
	VALID VALUES: noMembers memberToMember mergeMembers DEFAULT: noMembers
[memberName]	Specifies the name of the target member to which source members will be merged.
[createTargetTable]	Specifies whether the new target table will be created based on the source table definition. Use the targetDatabase (when required by the datastore), targetSchema and targetTable parameters to specify the name for the new table.
	VALID VALUES: true/yes false/no DEFAULT: false
[createIndexName]	Specifies the index name for a new target table. The parameter must be specified when target table index needs to be created with specific name. The index is created with the schema set by the targetSchema parameter.
[createTablespaceName]	Specifies the tablespace name when creating a new target table. The parameter must be specified when datastore requires a tablespace name.

SYNTAX 2:

Maps a source table to an InfoSphere DataStage, Cloudant or Apache Hadoop.

add table mapping

[name]	Specifies the name of the subscription. When source datastore is unknown, specifies the source ID of the subscription. If a name or source ID is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[sourceDatabase]	Specifies the database for the source table. When source datastore is unknown, specifies the source database name known by the target datastore.
sourceSchema	Specifies the schema for the source table. When

sourceTable	source datastore is unknown, specifies the source schema name known by the target datastore. Specifies the name of the source table. When source datastore is unknown, specifies the source table name known by the target datastore.
type	Specifies the table mapping type. VALID VALUES: directConnect flatFile cloudant webHdfs
[recordFormat]	Specifies the record format for InfoSphere DataStage or Apache Hadoop mappings. VALID VALUES: singleRecord multiRecord DEFAULT: singleRecord
[directory]	Specifies the directory for files in an InfoSphere DataStage flat file or Apache Hadoop mapping.
[customFormatter]	Specifies a custom formatter for a file output in an InfoSphere DataStage or Apache Hadoop mapping.
[cloudantDatabase]	Specifies the name of the Cloudant database.
[primaryKeyColumns]	Specifies the set of columns comprising the primary key of the source table for a Cloudant mapping. When source datastore is unknown, specifies the primary key known by the target datastore.
[parentSchema]	Specifies the schema of the parent table in the source database for a Cloudant mapping. When source datastore is unknown, specifies the source schema known by the target datastore.
[parentTable]	Specifies the name of the parent table in the source database for a Cloudant mapping. When source datastore is unknown, specifies the source table name known by the target datastore.

SYNTAX 3:

Adds a table to the datastore for use as a source table for replication in a subscription. The syntax should be used when target datastore is external.

add table mapping

[name]	Specifies the name of the subscription. When source datastore is unknown, specifies the source ID of the subscription. If a name or source ID is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[sourceDatabase]	Specifies the database for the source table. When source datastore is unknown, specifies the source database name known by the target datastore.
sourceSchema	Specifies the schema for the source table. When source datastore is unknown, specifies the source schema name known by the target datastore.
sourceTable	Specifies the name of the source table. When

source datastore is unknown, specifies the source table name known by the target datastore.

SYNTAX 4:

Adds a table to a delimited subscription where the source and target are the same Classic datastore.

add table mapping

[name]	Specifies the name of the subscription. When source datastore is unknown, specifies the source ID of the subscription. If a name or source ID is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
sourceDatabase	Specifies the database for the source table. When source datastore is unknown, specifies the source database name known by the target datastore. VALID VALUES: IMS VSAM
sourceSchema	Specifies the schema for the source table. When source datastore is unknown, specifies the source schema name known by the target datastore.
sourceTable	Specifies the name of the source table. When source datastore is unknown, specifies the source table name known by the target datastore.
[sendBeforeImage]	Specifies the flag indicating whether or not to send before images of the source table. VALID VALUES: true/yes false/no DEFAULT: false

SYNTAX 5:

Adds a table to the datastore for use as a source table for replication in a subscription. The syntax should be used when the subscription targets Kafka.

add table mapping

[name]	Specifies the name of the subscription. When source datastore is unknown, specifies the source ID of the subscription. If a name or source ID is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[sourceDatabase]	Specifies the database for the source table. When source datastore is unknown, specifies the source database name known by the target datastore.
sourceSchema	Specifies the schema for the source table. When source datastore is unknown, specifies the source schema name known by the target datastore.
sourceTable	Specifies the name of the source table. When source datastore is unknown, specifies the source

[primaryKeyColumns] table name known by the target datastore.
Specifies the set of columns comprising the
primary key of the source table for a Kafka
mapping. When source datastore is unknown,
specifies the primary key known by the target datastore.

SUCCESS CODE:
1402

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Creates a subscription and maps two tables.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
add subscription name SUB1;
add table mapping sourceSchema USER1 sourceTable TABLE1
  targetSchema USER1 targetTable TABLE1;
add table mapping sourceSchema USER1 sourceTable TABLE2
  targetSchema USER1 targetTable TABLE2;
list table mappings;
disconnect server;
exit;
```

SAMPLE 2:
Selects the target index column when mapping a table.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB2;
add table mapping
  sourceSchema USER1 sourceTable CUSTOMER
  targetSchema USER1 targetTable CUSTOMER
  targetIndexMode columns targetIndexColumns "CUSTID";
show table mapping;
disconnect server;
exit;
```

SAMPLE 3:
Adds a table to a Classic CDC for publishing subscription.

```
connect server username user1 password password1;
connect datastore name CLASSIC1;
select subscription name SUB3;
add table mapping sourceDatabase IMS sourceSchema USER1 sourceTable CUSTOMER;
show table mapping;
disconnect server;
exit;
```

SAMPLE 4:

Creates new target table based on source table definition, and maps the source table to the newly created target table.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB4;
add table mapping sourceSchema USER1 sourceTable TABLE1
  createTargetTable yes
  targetSchema USER1 targetTable NEW_TABLE_NAME
  createTablespaceName TABLESPACE
  createIndexName NEW_TABLE_INDEX;
show table mapping;
disconnect server;
exit;
```

SAMPLE 5:

Creates a subscription and maps a table to Cloudant.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB5;
add table mapping sourceSchema USER1 sourceTable TABLE1
  type cloudant
  cloudantDatabase CUSTOMER
  primaryKeyColumns 'CUSTOMERID';
show table mapping;
disconnect server;
exit;
```

SAMPLE 6:

Creates a subscription and maps parent and child table to Cloudant.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB6;
add table mapping sourceSchema USER1 sourceTable INVOICE
  type cloudant
  cloudantDatabase SALES
  primaryKeyColumns 'INVOICEID';
add table mapping sourceSchema USER1 sourceTable INVDETAIL
  type cloudant
  cloudantDatabase SALES
  primaryKeyColumns 'INVOICEID'
  parentSchema USER1
  parentTable INVOICE;
show table mapping;
disconnect server;
exit;
```

SAMPLE 7:

Creates a subscription and maps a table to Hadoop using WebHDFS.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB7;
add table mapping sourceSchema USER1 sourceTable TABLE1
    type webHdfs
    directory '/data/sales'
    recordFormat multiRecord;
show table mapping;
disconnect server;
exit;
```

SAMPLE 8:

Creates a subscription and maps a table to Kafka.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DSKAFKA context target;
select subscription name SUB8;
add table mapping sourceSchema USER1 sourceTable CUSTOMER primaryKeyColumns
"CUSTID,COMPANY";
show table mapping;
disconnect server;
exit;
```

delete rule set

DESCRIPTION:

Deletes a rule set.

SYNTAX:

```
delete rule set
```

<code>[ruleName]</code>	Specifies the name of the rule set. If a name is not provided, the rule set that is currently identified as the context will be used. To view the current context, use the "show context" command.
-------------------------	--

SUCCESS CODE:

1702

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE 1:

Deletes a rule set by name.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
```

```
select subscription name SUB1;
delete rule set ruleName rule1;
disconnect server;
exit;
```

SAMPLE 2:

Deletes a rule set based on the current context.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
selete rule set ruleName rule1;
delete rule set;
disconnect server;
exit;
```

delete table mapping

DESCRIPTION:

Deletes a table mapping. The table mapping must be first selected as the current context. Use the "list table mappings" command or the "show context" command to view the current table mapping context.

SYNTAX:

```
delete table mapping
```

SUCCESS CODE:

1408

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects a table mapping and deletes it.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE1;
list table mappings;
delete table mapping;
disconnect server;
exit;
```

export rule set

DESCRIPTION:

Exports definition of the rule set in context into an XML file. The XML file can be loaded using the "import subscription" command or using the import wizard in

Management Console. Export requires additional connections to the source and target datastores and cannot run when multiuser configuration is enabled. Use Management Console to export when multiuser configuration is in use.

SYNTAX:

export rule set

[ruleName]	Specifies the name of the rule set. If a name is not provided, the rule set that is currently identified as the context will be used. To view the current context, use the "show context" command.
[filename]	Specifies the fully qualified output XML file name for the subscription export. Use double quotes to surround the file name. ".xml" will be appended to the file name, if it does not end with the XML extension. If file name is not provided, the output file name will default to subscription's name.

SUCCESS CODE:

1331

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects a rule set and exports it to file.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select rule set rulename RULE1;
export rule set filename "c:\\files\\sub1.xml";
disconnect server;
exit;
```

export table mapping

DESCRIPTION:

Exports definition of the table mapping in context into an XML file. The XML file can be loaded using the "import subscription" command or using the import wizard in Management Console. Export requires additional connections to the source and target datastores and cannot run when multiuser configuration is enabled. Use Management Console to export when multiuser configuration is in use.

SYNTAX:

export table mapping

[filename]	Specifies the fully qualified output XML file name for the subscription export. Use double quotes to surround the file name. ".xml" will be appended to the file name, if it does not end with the XML
------------	--

extension. If file name is not provided, the output file name will default to subscription's name.

SUCCESS CODE:
1330

SINCE:
10.2.1

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Selects a table mapping and exports it to file.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceTable TABLE_1;
export table mapping filename "c:\\files\\sub1.xml";
disconnect server;
exit;
```

filter table member

DESCRIPTION:
Filters source table member for replication in the table mapping that is the current context. Table member will be parked before deselecting it from replication. Use "list table members" command to see members status.

SYNTAX:
filter table member

[type]	Specifies the member selection type. VALID VALUES: all selected DEFAULT: selected
[name] [replicate]	Specifies the name of the table member. Filters the table member for replication. VALID VALUES: true/yes false/no

SUCCESS CODE:
1424

SINCE:
11.3

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:

Deselects a table member from replication.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable MBRTABLE;
list table members;
filter table member type selected name MEMBER1 replicate no;
disconnect server;
exit;
```

SAMPLE 2:

Selects all current and future members for replication.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable MBRTABLE;
list table members;
filter table member type all;
disconnect server;
exit;
```

flag refresh

DESCRIPTION:

To flag a source table for refresh.

SYNTAX 1:

flag refresh

[type]	Specifies the type of refresh to be performed. VALID VALUES: standard differential differentialWithLog differentialLogOnly DEFAULT: standard
[enableSubset]	Specifies that SQL WHERE clauses will be used to perform a row subset refresh. VALID VALUES: true/yes false/no
[sourcesql]	Specifies the SQL WHERE clause for the selected source table for row subset refresh.
[targetsql]	Specifies the SQL WHERE clause for the selected target table for row subset refresh.

SYNTAX 2:

Flags for refresh the member of a multi-member source table.

flag refresh

[member]	Specifies the name of the source table member which will be flagged for refresh. Only standard refresh type is applicable for table member refresh.
----------	---

SYNTAX 3:

Flags the specified rule table for refresh.

flag refresh

schema	Specifies the schema name of the table.
table	Specifies the name of the table.

SUCCESS CODE:

1404

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE 1:

Selects a table mapping and flags it for refresh.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE1;
flag refresh;
list table mappings;
disconnect server;
exit;
```

SAMPLE 2:

Selects a table mapping and flags the source table member for refresh.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE1;
list table members;
flag refresh member MBR1;
disconnect server;
exit;
```

SAMPLE 3:

Flags a rule table for refresh.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
```

```
select subscription name SUB1;
flag refresh schema USER1 table TABLE1;
list rule set tables;
disconnect server;
exit;
```

list refresh order

DESCRIPTION:

Lists the refresh order for the source tables in a subscription.

SYNTAX:

```
list refresh order
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Lists the refresh order of the tables in a subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
list refresh order;
disconnect server;
exit;
```

list rule set tables

DESCRIPTION:

List all tables that match the criteria for all rule sets defined for this subscription.

SYNTAX:

```
list rule set tables
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

10.2.1

REQUIRED ROLE:
Any

SAMPLE:
List all tables that match the criteria for all rule sets defined for this subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
list rule set tables;
disconnect server;
exit;
```

list rule sets

DESCRIPTION:
Lists rule sets in the subscription.

SYNTAX:
list rule sets

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:
10.2.1

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Lists the rule sets in a subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
list rule sets name SUB1;
disconnect server;
exit;
```

list table mappings

DESCRIPTION:
Lists the table mappings in the subscription. Starting mirroring or refresh can change the status of a table mapping. Use the "reload" parameter to refresh the list of table mappings.

SYNTAX:

list table mappings

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[method]	Optionally filters table mapping by their replication method. VALID VALUES: mirror refresh
[status]	Optionally filters table mappings by their replication status. VALID VALUES: active refresh parked
[incompleteOnly]	Optionally displays table mappings that are not mapped to a target. VALID VALUES: true/yes false/no DEFAULT: false
[reload]	Optionally reloads table mappings. VALID VALUES: true/yes false/no DEFAULT: false

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE 1:
Lists the table mappings in a subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
list table mappings name SUB1;
disconnect server;
exit;
```

SAMPLE 2:
Lists tables flagged for refresh in the subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
list table mappings name SUB1 status refresh;
```

```
disconnect server;
exit;
```

list table members

DESCRIPTION:

Displays the members for the multi-member source table.

SYNTAX:

```
list table members
```

SINCE:

11.3

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Lists the members for a table.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE1;
list table members;
disconnect server;
exit;
```

mark capture point

DESCRIPTION:

Mark a table capture point on the source table before mirroring. The table mapping must be first selected as the current context for regular table mapping, or specify schema and table name for rule based table.

SYNTAX 1:

```
mark capture point
```

SYNTAX 2:

Mark a capture point on the member of the multi-member source table.

```
mark capture point
```

[member]	Specifies the name of the source table member for which capture point will be set.
----------	--

SYNTAX 3:

Mark a table capture point on the rule table before mirroring.

```
mark capture point
```

schema	Specifies the schema name of the table.
table	Specifies the name of the table.

SUCCESS CODE:
1403

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE 1:
Marks the capture point for a table in the selected subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
mark capture point;
list table mappings;
disconnect server;
exit;
```

SAMPLE 2:
Marks the capture point on the member of the multi-member source table in the selected subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
mark capture point member MBR1;
list table mappings;
disconnect server;
exit;
```

SAMPLE 3:
Marks the capture point for a rule table in the selected subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
mark capture point schema USER1 table TABLE1;
list rule set tables;
disconnect server;
exit;
```

modify refresh order

DESCRIPTION:
Modifies the refresh order for the source tables in a subscription. Use the

"list refresh order" command to view the current refresh order for a subscription.

SYNTAX:

modify refresh order

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[database(*)]	Specifies the database for the source table. This parameter can be specified more than once.
schema(*)	Specifies the schema for the source table. This parameter can be specified more than once.
table(*)	Specifies the name of the source table. This parameter can be specified more than once.
group(*)	Specifies the group number for the table. Use 0 for ungrouped tables, or values greater than zero to specify a group number. This parameter can be specified more than once. DEFAULT: 0
sequence(*)	Specifies the sequence number for the table within a group. Group 0 tables are not sequenced and must use sequence number 0. This parameter can be specified more than once. DEFAULT: 0

(*) Parameter can be specified more than once.

SUCCESS CODE:

1310

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects two tables to be refreshed before all other tables in the subscription by putting them in a group.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify refresh order
  schema USER1 table TABLE_2 group 1 sequence 0
  schema USER1 table TABLE_4 group 1 sequence 1;
list refresh order;
disconnect server;
exit;
```

modify rule set

DESCRIPTION:

Renames a rule set or modifies the properties of an existing rule set. Note if to modify rule patterns, should give complete criteria as the input parameters, since the existing patterns for table inclusion and exclusion will both be overwritten.

SYNTAX:

modify rule set

[ruleName]	Specifies the name of the rule set. If a name is not provided, the rule set that is currently identified as the context will be used. To view the current context, use the "show context" command.
[newName]	Specifies the new name for the rule set. Rule set names must be unique within a subscription. VALID VALUES: Maximum length: 128
[schema]	Specifies the new schema for the rule set.
[structureOnly]	Specifies whether to replicate only structural (DDL), not data (DML), changes for the tables included in the rule. VALID VALUES: true/yes false/no
[includeAll]	Specifies whether to allow all tables to be considered for inclusion in the rule set. VALID VALUES: true/yes false/no
[includePattern(*)]	Specifies the criteria by which tables will be judged for inclusion from the rule set. Patterns are case-sensitive.
[includeMatch(*)] inclusion.	Specifies the pattern matching type used for table inclusion. VALID VALUES: exact startsWith contains endsWith
[excludePattern(*)]	Specifies the criteria by which tables will be judged for exclusion in from the rule set. Patterns are case-sensitive.
[excludeMatch(*)]	Specifies the pattern matching type used for table exclusion. VALID VALUES: exact startsWith contains endsWith

(*) Parameter can be specified more than once.

SUCCESS CODE:

1703

SINCE:
10.2.1

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Selects a rule set within a subscription, modifies the rule name and schema for the rule set.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select rule set ruleName RULE1;
modify rule set newName RULE2 schema USER2;
list rule sets;
disconnect server;
exit;
```

SAMPLE 2:
Modifies the table inclusion and exclusion criteria of the rule set.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
modify rule set ruleName RULE1
  includeAll yes
  excludePattern "X" excludeMatch exact
  excludePattern "Y" excludeMatch exact;
list rule sets;
disconnect server;
exit;
```

modify table mapping

DESCRIPTION:
Modifies the properties of a table mapping. The table mapping must be first selected as the current context.

SYNTAX 1:
Modifies the replication method for a table mapping.

modify table mapping

[method]	Specifies the replication method for the table mapping. VALID VALUES: mirror refresh
[preventRecursion]	Specifies whether to prevent from replicating changes back to the source database when a subscription is configured for bidirectional

replication.
VALID VALUES:
true/yes
false/no

[relativeRecordNumber] Specifies whether the relative record number is used to update the target from an IBM i source datastore.

VALID VALUES:
true/yes
false/no

SYNTAX 2:
Modifies the index settings for a table mapping.

modify table mapping

[targetIndexMode] Specifies the mode used to locate a row in the target table.
VALID VALUES:
autoDetect
index
allSearchable
columns

[targetIndexSchema] Specifies the schema of the target index.
[targetIndexName] Specifies the name of the target index.
[targetIndexColumns] Specifies a comma-delimited list of columns used to identify a row when the target index mode is set to column.

SYNTAX 3:
Modifies the row-filtering expression for a table mapping.

modify table mapping

[rowFilter] Specifies the row-filtering expression. Row filter will be cleared if expression is set to empty string.
[select] Specifies whether the filter selects or omits rows that match the expression.
VALID VALUES:
true/yes
false/no

SYNTAX 4:
Modifies the conflict detection and resolution settings for a table mapping.

modify table mapping

[detectionColumns] Specifies a comma-delimited list of columns used for conflict detection.
[resolutionMethod] Specifies the method used to resolve conflicts.
VALID VALUES:
none
sourceWins
targetWins
largestValueWins

	smallestValueWins
	userExit
[value]	Specifies the comparison column name if conflict resolution method is largestValueWins or smallestValueWins, or specifies the user exit name (with path) if conflict resolution method is userExit.

SYNTAX 5:

Modifies the properties of an InfoSphere DataStage, Cloudant or Apache Hadoop mapping.

modify table mapping

[recordFormat]	Specifies the record format for InfoSphere DataStage or Apache Hadoop mappings. VALID VALUES: singleRecord multiRecord
[directory]	Specifies the directory for files in an InfoSphere DataStage flat file or Apache Hadoop mapping.
[customFormatter]	Specifies a custom formatter for a file output in an InfoSphere DataStage or Apache Hadoop mapping.
[cloudantDatabase]	Specifies the name of the Cloudant database.
[primaryKeyColumns]	Specifies the set of columns comprising the primary key of the source table for a Cloudant mapping. When source datastore is unknown, specifies the primary key known by the target datastore.
[parentSchema]	Specifies the schema of the parent table in the source database for a Cloudant mapping. When source datastore is unknown, specifies the source schema known by the target datastore.
[parentTable]	Specifies the name of the parent table in the source database for a Cloudant mapping. When source datastore is unknown, specifies the source table name known by the target datastore.

SYNTAX 6:

Modify table mapping for a Classic CDC for publishing subscription.

modify table mapping

sendBeforeImage	Specifies the flag indicating whether or not to send before images of the source table. VALID VALUES: true/yes false/no
-----------------	--

SYNTAX 7:

Modifies the properties of a Kafka mapping.

modify table mapping

[primaryKeyColumns]	Specifies the set of columns comprising the primary key of the source table for a Kafka mapping. When source datastore is unknown,
---------------------	--

specifies the primary key known by the target datastore.

SUCCESS CODE:

1405

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE 1:

Specifies that the selected table will be set to refresh only and not be mirrored. When the method is changed, the table mapping must be parked first.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
park table mapping;
modify table mapping method refresh;
show table mapping;
disconnect server;
exit;
```

SAMPLE 2:

Changes the detection of a row on the target table to use all searchable columns.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
modify table mapping targetIndexMode allSearchable;
show table mapping;
disconnect server;
exit;
```

SAMPLE 3:

Changes the directory for a WebHDFS Hadoop mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE1;
modify table mapping directory '/data';
show table mapping;
disconnect server;
exit;
```

SAMPLE 4:

Changes the primary key columns for a Kafka mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DSKAFKA context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE1;
modify table mapping primaryKeyColumns "COL1,COL3";
show table mapping;
disconnect server;
exit;
```

park table mapping

DESCRIPTION:

Parks the table mapping. The table mapping must be first selected as the current context.

SYNTAX 1:

```
park table mapping
```

SYNTAX 2:

Parks the member of the multi-member source table.

```
park table mapping
```

[member]	Specifies the name of the source table member which will be parked.
----------	---

SUCCESS CODE:

1406

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE 1:

Parks the selected table mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
park table mapping;
list table mappings;
disconnect server;
exit;
```

SAMPLE 2:

Parks the member of the multi-member source table.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
```

```

connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
park table mapping member MBR2;
list table mappings;
disconnect server;
exit;

```

promote rule set

DESCRIPTION:

Promote the specified rule set to a new subscription or to an existing subscription. Promotion requires additional connections to the source and target datastores and cannot run when multiuser configuration is enabled. Use Management Console to promote when multiuser configuration is in use.

SYNTAX:

```
promote rule set
```

[ruleName]	Specifies the name of the rule set. If a name is not provided, the rule set that is currently identified as the context will be used. To view the current context, use the "show context" command.
type	Specifies whether you want to promote the rule set to a new subscription or to an existing one. If promote into existing one, specifies to replace all mappings and rule sets in the existing subscription, or only replace the rule set that promoted from. VALID VALUES: new existingReplaceAll existingKeepExtra
[promotionName]	Specifies the name of the subscription to promote into. If not specified, default to the subscription name that promoted from.
[sourceid]	Specifies the source identifier for the new subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be the first eight characters of the subscription name. VALID VALUES: Maximum length: 8
[sourceDatastore]	Specifies the name of the source datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to source context.
[targetDatastore]	Specifies the name of the target datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to target context.
[oldSourceSchema]	Specifies the name of the schema of the original datastore that contains the original tables in the

[newSourceSchema] promoted rule set.
Specifies the name of the schema of the new datastore that contains the new tables to be included in the rule set.

SUCCESS CODE:
1332

SINCE:
10.2.1

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Selects a rule set and promotes it to a new subscription.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
select rule set rulename RULE1;  
promote rule set type new promotionname SUB2;  
disconnect server;  
exit;
```

promote table mapping

DESCRIPTION:
Promote the table mapping in context to a new subscription or to an existing subscription. Promotion requires additional connections to the source and target datastores and cannot run when multiuser configuration is enabled. Use Management Console to promote when multiuser configuration is in use.

SYNTAX 1:
promote table mapping

type Specifies whether you want to promote the table mapping to a new subscription or to an existing one. If you are promoting into an existing one, specifies whether to replace all mappings in the existing subscription or only replace the mapping that you are promoting.

VALID VALUES:

new
existingReplaceAll
existingKeepExtra

[promotionName] Specifies the name of the subscription to promote into. If not specified, default to the subscription name that promoted from.

[sourceid] Specifies the source identifier for the new subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be the first eight characters of the

subscription name.

VALID VALUES:

Maximum length: 8

[sourceDatastore]	Specifies the name of the source datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to source context.
[targetDatastore]	Specifies the name of the target datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to target context.
[oldSourceSchema]	Specifies the table owner in the original subscription on the old source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
[newSourceSchema]	Specifies the table owner in the promotion subscription on the new source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
[oldTargetSchema]	Specifies the table owner in the original subscription on the old target datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old target schema, you must provide the new target schema.
[newTargetSchema]	Specifies the table owner in the promotion subscription on the new target datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old target schema, you must provide the new target schema.

SYNTAX 2:

Promote the table mapping in context from a Classic CDC for publishing subscription to a new subscription or to an existing subscription.

promote table mapping

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
type	Specifies whether you want to promote the table mapping to a new subscription or to an existing one. If you are promoting into an existing one, specifies whether to replace all mappings in the

existing subscription or only replace the mapping that you are promoting.

VALID VALUES:

new
existingReplaceAll
existingKeepExtra

[promotionName]	Specifies the name of the subscription to promote into. If not specified, default to the subscription name that promoted from.
[sourceid]	Specifies the source identifier for the new subscription on the target. The identifier must be unique on the target datastore. If no identifier is provided, the default value for the Source ID will be the first eight characters of the subscription name. VALID VALUES: Maximum length: 8
[sourceDatastore]	Specifies the name of the source datastore for the promotion subscription. If a value is not specified, it will default to the datastore that is currently set to source context.
[oldSourceSchema]	Specifies the table owner in the original subscription on the old source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
[newSourceSchema]	Specifies the table owner in the promotion subscription on the new source datastore. Use database.schema when required by the datastore. Only schemas that are changing between the original and promoted subscription need to be specified. For each old source schema, you must provide the new source schema.
targetQueue	Specifies the name of the target queue for the promotion subscription.

SUCCESS CODE:
1329

SINCE:
10.2.1

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Selects a table mapping and promotes it to a new subscription.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceTable TABLE_1;
```

```
promote table mapping type new promotionname SUB2;
disconnect server;
exit;
```

SAMPLE 2:

Selects a table mapping from a Classic CDC for publishing subscription and promotes it to a new subscription.

```
connect server username user1 password password1;
connect datastore name DS1;
select subscription name SUB1;
select table mapping sourceTable TABLE_1;
promote table mapping type new promotionname SUB2 targetQueue QUEUE2;
disconnect server;
exit;
```

reassign table mapping

DESCRIPTION:

Reassigns the target table in a table mapping. The table mapping must be first selected as the current context. Reassign updates the target datastore's metadata for the table mapping.

SYNTAX:

```
reassign table mapping
```

SUCCESS CODE:

```
1407
```

SINCE:

```
10.2
```

REQUIRED ROLE:

```
Administrator, system administrator
```

SAMPLE:

Reassigns the table mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
reassign table mapping;
disconnect server;
exit;
```

select rule set

DESCRIPTION:

Sets the rule set as active for subsequent commands. Rule sets are identified by the name on the command. Use the "show context" command to view the current rule set context.

SYNTAX:

select rule set

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
ruleName	Specifies the name of the rule set.

SUCCESS CODE:

1423

SINCE:

10.2.1

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Selects a rule set and shows that it is the current context.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select rule set ruleName rule1;
show context;
disconnect server;
exit;
```

select table mapping

DESCRIPTION:

Sets the table mapping as active for subsequent commands. Table mappings are identified by the source and/or target parameters provided on the command. An error will be reported if there is not a unique match. Use the "show context" command to view the current table mapping context.

SYNTAX:

select table mapping

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
[sourceDatabase]	Specifies the database for the source table.
[sourceSchema]	Specifies the schema for the source table.
[sourceTable]	Specifies the name of the source table.
[targetDatabase]	Specifies the database for the target table.
[targetSchema]	Specifies the schema for the target table.
[targetTable]	Specifies the name of the target table.

SUCCESS CODE:
1401

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE 1:
Selects a table mapping by fully specifying the source and target tables.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
show context;
disconnect server;
exit;
```

SAMPLE 2:
Selects a table mapping by the source table name. If more than one table matches, an error will be reported.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceTable TABLE_1;
show context;
disconnect server;
exit;
```

show rule set

DESCRIPTION:
Show the properties of a rule set. The rule set must be first selected as the current context.

SYNTAX:
show rule set

[ruleName]	Specifies the name of the rule set. If a name is not provided, the rule set that is currently identified as the context will be used. To view the current context, use the "show context" command.
------------	--

SINCE:
10.2.1

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:

Shows the properties of a rule set.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select rule set ruleName rule1;
show rule set;
disconnect server;
exit;
```

show table mapping

DESCRIPTION:

Show the properties of a table mapping. The table mapping must be first selected as the current context.

SYNTAX:

```
show table mapping
```

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Shows the properties of a table mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
show table mapping;
disconnect server;
exit;
```

Mapping details commands

add data translation

DESCRIPTION:

Adds a data translation for the target column in the table mapping that is the current context.

SYNTAX:

```
add data translation
```

targetColumn	Specifies the name of the target column.
before	Specifies the before value. Set this parameter to the string "<NULL>" to indicate that you want to translate null to a specific value.
after	Specifies the after (translated) value. Set this parameter to the string "<NULL>" to indicate that you want to translate a specific value to null.

SUCCESS CODE:

1416

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Translates state codes to full names.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable LOCATION;
add data translation targetColumn STATE before "CA" after "California";
add data translation targetColumn STATE before "NY" after "New York";
show data translation targetColumn STATE;
disconnect server;
exit;
```

add derived column

DESCRIPTION:

Adds a derived column in the table mapping that is the current context.

SYNTAX:

```
add derived column
```

name	Specifies the name of the derived column.
[description]	Specifies the description about the purpose of the derived column.

DEFAULT:

""
 datatype Specifies the data type for the derived column.
 [length] Specifies the length of the column in bytes.
 VALID RANGE:
 0 to 2147483647
 DEFAULT:
 0
 [scale] Specifies the scale of the numerical data type.
 DEFAULT:
 0
 [nullable] Specifies if the column is nullable.
 VALID VALUES:
 true/yes
 false/no
 DEFAULT:
 false
 [dateTimeFormat] Specifies the format of the date/time data type.
 VALID VALUES:
 *NONE
 *MDY
 *DMY
 *YMD
 *JUL
 *ISO
 *USA
 *EUR
 *JIS
 *HMS
 [dateTimeSeparator] Specifies the character that will be used as a
 separator when formatting date/time data types.
 The following characters may be used, depending on
 the date time format: " ", "/", "-", ".", ",", or ":".
 [evaluate] Specifies the evaluation frequency you want for
 this derived column.
 VALID VALUES:
 after
 both
 DEFAULT:
 after
 expression Specifies the expression for the derived column.

SUCCESS CODE:
 1410

SINCE:
 10.2

REQUIRED ROLE:
 Administrator, system administrator

SAMPLE:
 Adds a derived column that changes the PARTNAME value to upper case.

```

connect server username user1 password password1;
connect datastore name DS1 context source;
  
```

```
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
add derived column name PART_NAME datatype VARCHAR length 100 expression
"%UPPER(PARTNAME)";
list source columns;
disconnect server;
exit;
```

clear user exit

DESCRIPTION:

Clears user exits for the table mapping.

SYNTAX:

```
clear user exit
```

SUCCESS CODE:

1420

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects table mapping and clears user exits.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
clear user exit;
disconnect server;
exit;
```

delete data translation

DESCRIPTION:

Deletes one or all data translation definition for the target column in the table mapping that is the current context.

SYNTAX:

```
delete data translation
```

targetColumn
[before]

Specifies the name of the target column.
Specifies the before value for the data translation to be deleted. If not provided, delete all data translations for the column.

SUCCESS CODE:

1417

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Deletes a data translation for a column.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable PART_NUMBERS;
delete data translation targetColumn PART_CODE before "A1";
show data translation targetColumn PART_CODE;
disconnect server;
exit;
```

delete derived column

DESCRIPTION:
Deletes a derived column in the table mapping that is the current context.

SYNTAX:
delete derived column

name Specifies the name of the derived column.

SUCCESS CODE:
1411

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Deletes a derived column. The column must be unmapped before it can be deleted.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
unmap column targetColumn PART_NAME;
delete derived column PART_NAME;
list source columns;
disconnect server;
exit;
```

filter source column

DESCRIPTION:

Filters a source column for replication and/or mark it as critical column in the table mapping that is the current context.

SYNTAX:

```
filter source column
```

name	Specifies the name of the source column.
replicate	Filters the column for replication. VALID VALUES: true/yes false/no
[critical]	Marks the column to be a critical column. VALID VALUES: true/yes false/no

SUCCESS CODE:

1413

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Deselects a column from replication.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable EMPLOYEE;
list source columns;
filter source column name SALARY replicate no critical no;
list source columns;
disconnect server;
exit;
```

list column encodings

DESCRIPTION:

List column MBCS encodings for source or target table in the table mapping that is the current context.

SYNTAX:

```
list column encodings
```

[type]	Specifies whether to list column encodings for the source or target table. VALID VALUES:
--------	---

source
target
DEFAULT:
source

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Lists the database and actual encodings for the columns in the source and target tables in a table mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
list column encodings type source;
list column encodings type target;
disconnect server;
exit;
```

list column mappings

DESCRIPTION:
Lists the column mappings for the table mapping that is the current context.

SYNTAX:
list column mappings

[showDataType]	Enables the output to include column data types.
	VALID VALUES:
	true/yes
	false/no
	DEFAULT:
	false

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Lists the column mappings for the selected table mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
list column mappings;
```

```
disconnect server;
exit;
```

list source columns

DESCRIPTION:

List column structures and column selections for the source table of the table mapping that is the current context.

SYNTAX:

```
list source columns
```

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Lists the source columns in the table and any derived columns that have been added to it.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
list source columns;
disconnect server;
exit;
```

map column

DESCRIPTION:

Maps a source column, journal control field, or derived expression to a target column in the table mapping that is the current context. For unmapped target columns, the initial value can be set to a constant, blank, null, zero, database default, or current date, depending on the column definition.

SYNTAX:

```
map column
```

```
targetColumn
[type]
```

Specifies the target column to map.
Specifies the type of the column mapping.

VALID VALUES:

```
sourceColumn
constant
expression
journal
initialValue
accumulation
deduction
```

DEFAULT:

```
sourceColumn
```

value	Specifies the source column name for sourceColumn mapping; the constant value for constant mapping; the journal control field name for a journal mapping; the derived expression for an expression mapping; the accumulation or deduction source column (or expression) for a summarization mapping. When mapping type is initialValue, expected values for this parameter are: blank, zero, null, databaseDefault, currentDate.
[summarizationType]	Specifies the type of the "value" parameter. This parameter is only applicable when the "type" parameter has been set to "accumulation" or "deduction". VALID VALUES: sourceColumn expression

SUCCESS CODE:
1409

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:
Map column names between source and target tables containing slightly different column names. When tables are mapped, the datastore will automatically map columns with identical names and compatible data types.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
map column targetColumn CUSTOMER_NO value CUSTNO;
map column targetColumn CUSTOMER_NAME value NAME;
map column targetColumn PHONE type expression value '%CONCAT(AREA_CODE, "-",
PHONE_NUMBER)';
list column mappings;
disconnect server;
exit;
```

SAMPLE 2:
Maps a target column to a journal control field.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
map column targetColumn MODUSER type journal value "&USER";
list column mappings;
disconnect server;
exit;
```

SAMPLE 3:

Sets an initial value for a target column.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable PRODUCTS;
map column targetColumn PRCODE type initialValue value zero;
list column mappings;
disconnect server;
exit;
```

modify column encoding

DESCRIPTION:

Modifies column encoding for a source or target column in the table mapping that is the current context.

SYNTAX 1:

```
modify column encoding
```

sourceColumn	Specifies the name of a source column.
type	Specifies the MBCS encoding conversion action. VALID VALUES: default binary specify
[value]	Specifies the IANA name for a character encoding that is to be used when the "specify" value is assigned to the "type" parameter.

SYNTAX 2:

```
modify column encoding
```

targetColumn	Specifies the name of a target column.
type	Specifies the MBCS encoding conversion action. VALID VALUES: default binary specify
[value]	Specifies the IANA name for a character encoding that is to be used when the "specify" value is assigned to the "type" parameter.

SUCCESS CODE:

1414

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE 1:

Overrides the database encoding for a column and identifies that the data is binary.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
modify column encoding sourceColumn FLAG type binary;
list column encodings type source;
disconnect server;
exit;
```

SAMPLE 2:

Overrides the database encoding for a column and identifies that it stores UTF-8 data.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
modify column encoding targetColumn DESCRIPTION type specify value UTF-8;
list column encodings type target;
disconnect server;
exit;
```

modify data translation

DESCRIPTION:

Modifies a data translation definition for the target column in the table mapping that is the current context.

SYNTAX:

```
modify data translation
```

targetColumn	Specifies the name of the target column.
before	Specifies the before value for the data translation to be modified.
after	Specifies the after (translated) value to be set. Set this parameter to the string "<NULL>" to indicate that you want to translate a specific value to null.

SUCCESS CODE:

1418

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Modifies the data translation for a column.

```

connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable PART_NUMBERS;
modify data translation targetColumn PART_CODE before "A1" after "0000A1";
show data translation targetColumn PART_CODE;
disconnect server;
exit;

```

modify derived column

DESCRIPTION:

Modifies a derived column in the table mapping that is the current context.

SYNTAX:

```
modify derived column
```

name	Specifies the name of the derived column.
[description]	Specifies the description about the purpose of the derived column.
[datatype]	Specifies the data type for the derived column.
[length]	Specifies the length of the column in bytes. VALID RANGE: 0 to 2147483647
[scale]	Specifies the scale of the numerical data type.
[nullable]	Specifies if the column is nullable. VALID VALUES: true/yes false/no
[dateTimeFormat]	Specifies the format of the date/time data type. VALID VALUES: *NONE *MDY *DMY *YMD *JUL *ISO *USA *EUR *JIS *HMS
[dateTimeSeparator]	Specifies the character that will be used as a separator when formatting date/time data types. The following characters may be used, depending on the date time format: " ", "/", "-", ".", ",", or ":".
[evaluate]	Specifies the evaluation frequency you want for this derived column. VALID VALUES: after both
[expression]	Specifies the expression for the derived column.

SUCCESS CODE:

1412

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Changes the expression for a derived column.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
modify derived column PART_NAME expression '%UPPER(%CONCAT(PARTNO, "-",
PARTNAME))';
show derived column name PART_NAME;
disconnect server;
exit;
```

modify operations

DESCRIPTION:
Modifies the row or table-level operations that will be applied on the target for a table mapping. The table mapping must be first selected as the current context.

SYNTAX 1:
Modifies row or table-level operations for Standard table mapping type.

modify operations

[onInsert]	Specifies an operation which will be applied to the target table when a row is inserted in the source table. VALID VALUES: insertRow doNotInsert
[onUpdate]	Specifies an operation which will be applied to the target table when a row is updated in the source table. VALID VALUES: updateRow doNotUpdate
[onDelete]	Specifies an operation which will be applied to the target table when a row is deleted in the source table. VALID VALUES: deleteRow doNotDelete
[onClear]	Specifies an operation which will be applied to the target table when a table-level clear or refresh has been performed on source. VALID VALUES:

	deleteAll deleteSelected doNotDelete
[expression]	The SQL WHERE clause for deleting the selected rows. InfoSphere Data Replication only deletes or truncates the rows for which the condition is true.
[sqlAfterRefresh]	Specifies an additional SQL statement that execute after applying a table refresh operation to the target table.
[sqlAfterTruncate]	Specifies an additional SQL statement that execute after applying a table truncate/clear operation to the target table.

SYNTAX 2:

Modifies row or table-level operations for Adaptive Apply table mapping type.

modify operations

[onInsert]	Specifies an operation which will be applied to the target table when a row is inserted in the source table. VALID VALUES: updateOrInsertRow doNotInsert
[onUpdate]	Specifies an operation which will be applied to the target table when a row is updated in the source table. VALID VALUES: updateOrInsertRow doNotUpdate
[onDelete]	Specifies an operation which will be applied to the target table when a row is deleted in the source table. VALID VALUES: deleteRowIfExists doNotDelete
[onClear]	Specifies an operation which will be applied to the target table when a table-level clear or refresh has been performed on source. VALID VALUES: deleteAll deleteSelected doNotDelete
[expression]	The SQL WHERE clause for deleting the selected rows. InfoSphere Data Replication only deletes or truncates the rows for which the condition is true.
[logChangedOnInsert]	Generates a log message when there is an insert on the source. VALID VALUES: true/yes false/no
[logChangedOnUpdate]	Generates a log message when there is an update on the source. VALID VALUES: true/yes

[logChangedOnDelete]	false/no Generates a log message when there is a delete on the source. VALID VALUES: true/yes false/no
[sqlAfterRefresh]	Specifies an additional SQL statement that execute after applying a table refresh operation to the target table.
[sqlAfterTruncate]	Specifies an additional SQL statement that execute after applying a table truncate/clear operation to the target table.

SYNTAX 3:

Modifies row or table-level operations for Audit table mapping type.

modify operations

[onInsert]	Specifies an operation which will be applied to the target table when a row is inserted in the source table. VALID VALUES: doNotInsert audit
[onUpdate]	Specifies an operation which will be applied to the target table when a row is updated in the source table. VALID VALUES: doNotUpdate auditAfter auditBeforeAfter
[onDelete]	Specifies an operation which will be applied to the target table when a row is deleted in the source table. VALID VALUES: doNotDelete audit
[onClear]	Specifies an operation which will be applied to the target table when a table-level clear or refresh has been performed on source. VALID VALUES: doNotDelete audit
[sqlAfterRefresh]	Specifies an additional SQL statement that execute after applying a table refresh operation to the target table.
[sqlAfterTruncate]	Specifies an additional SQL statement that execute after applying a table truncate/clear operation to the target table.

SYNTAX 4:

Modifies row or table-level operations for Summarization table mapping type.

modify operations

[onInsert]	Specifies an operation which will be applied to the target table when a row is inserted in the source table. VALID VALUES: updateOrInsertRow
[onUpdate]	Specifies an operation which will be applied to the target table when a row is updated in the source table. VALID VALUES: updateOrInsertRow
[onDelete]	Specifies an operation which will be applied to the target table when a row is deleted in the source table. VALID VALUES: updateOrInsertRow
[onClear]	Specifies an operation which will be applied to the target table when a table-level clear or refresh has been performed on source. VALID VALUES: deleteAll deleteSelected doNotDelete
[expression]	The SQL WHERE clause for deleting the selected rows. InfoSphere Data Replication only deletes or truncates the rows for which the condition is true.
[sqlAfterRefresh]	Specifies an additional SQL statement that execute after applying a table refresh operation to the target table.
[sqlAfterTruncate]	Specifies an additional SQL statement that execute after applying a table truncate/clear operation to the target table.

SYNTAX 5:

Modifies row or table-level operations for Consolidation One-to-One table mapping type.

modify operations

[onInsert]	Specifies an operation which will be applied to the target table when a row is inserted in the source table. VALID VALUES: updateOrInsertRow
[onUpdate]	Specifies an operation which will be applied to the target table when a row is updated in the source table. VALID VALUES: updateOrInsertRow
[onDelete]	Specifies an operation which will be applied to the target table when a row is deleted in the source table. VALID VALUES: doNotDelete
[onClear]	Specifies an operation which will be applied to the target table when a table-level clear or

refresh has been performed on source.

VALID VALUES:

deleteAll
deleteSelected
doNotDelete

[expression] The SQL WHERE clause for deleting the selected rows. InfoSphere Data Replication only deletes or truncates the rows for which the condition is true.

[sqlAfterRefresh] Specifies an additional SQL statement that execute after applying a table refresh operation to the target table.

[sqlAfterTruncate] Specifies an additional SQL statement that execute after applying a table truncate/clear operation to the target table.

SYNTAX 6:

Modifies row or table-level operations for Consolidation One-to-Many table mapping type.

modify operations

[onInsert] Specifies an operation which will be applied to the target table when a row is inserted in the source table.
VALID VALUES:
doNotInsert
updateAll

[onUpdate] Specifies an operation which will be applied to the target table when a row is updated in the source table.
VALID VALUES:
updateAll

[onDelete] Specifies an operation which will be applied to the target table when a row is deleted in the source table.
VALID VALUES:
doNotDelete

[onClear] Specifies an operation which will be applied to the target table when a table-level clear or refresh has been performed on source.
VALID VALUES:
deleteAll
deleteSelected
doNotDelete

[expression] The SQL WHERE clause for deleting the selected rows. InfoSphere Data Replication only deletes or truncates the rows for which the condition is true.

[sqlAfterRefresh] Specifies an additional SQL statement that execute after applying a table refresh operation to the target table.

[sqlAfterTruncate] Specifies an additional SQL statement that execute after applying a table truncate/clear operation to the target table.

SUCCESS CODE:

1405

SINCE:
10.2.1

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Selects table mapping and specifies the operations that will be applied to the target table in response to a row-level operations on the source.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
modify operations onInsert insertRow onUpdate doNotUpdate onDelete doNotDelete;
disconnect server;
exit;
```

modify user exit cdll

DESCRIPTION:
Modifies C/C++ DLL user exits for the table mapping.

SYNTAX:
modify user exit cdll

[dllname]	Specifies the DLL name.
[beforeInsert]	Specifies the name of the function that will be called before replicating an insert operation.
[afterInsert]	Specifies the name of the function that will be called after replicating an insert operation.
[beforeUpdate]	Specifies the name of the function that will be called before replicating an update operation.
[afterUpdate]	Specifies the name of the function that will be called after replicating an update operation.
[beforeDelete]	Specifies the name of the function that will be called before replicating a delete operation.
[afterDelete]	Specifies the name of the function that will be called after replicating a delete operation.
[beforeRefresh]	Specifies the name of the function that will be called before replicating a refresh operation.
[afterRefresh]	Specifies the name of the function that will be called after replicating a refresh operation.
[beforeTruncate]	Specifies the name of the function that will be called before replicating a truncate operation.
[afterTruncate]	Specifies the name of the function that will be called after replicating a truncate operation.

SUCCESS CODE:
1420

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects table mapping and sets C/C++ DLL user exit.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
modify user exit cdll dllname userExitDllName beforeInsert function1 afterDelete
function2;
disconnect server;
exit;
```

modify user exit function

DESCRIPTION:

Modifies Standard Function user exit for the table mapping.

SYNTAX:

modify user exit function

[beforeInsert]	Specifies the name of the program that will be called before replicating an insert operation.
[afterInsert]	Specifies the name of the program that will be called after replicating an insert operation.
[beforeUpdate]	Specifies the name of the program that will be called before replicating an update operation.
[afterUpdate]	Specifies the name of the program that will be called after replicating an update operation.
[beforeDelete]	Specifies the name of the program that will be called before replicating a delete operation.
[afterDelete]	Specifies the name of the program that will be called after replicating a delete operation.
[beforeRefresh]	Specifies the name of the program that will be called before replicating a refresh operation.
[afterRefresh]	Specifies the name of the program that will be called after replicating a refresh operation.
[beforeTruncate]	Specifies the name of the program that will be called before replicating a truncate operation.
[afterTruncate]	Specifies the name of the program that will be called after replicating a truncate operation.

SUCCESS CODE:

1420

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects table mapping and sets Standard Function user exit.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
modify user exit function beforeInsert function1 afterDelete function2;
disconnect server;
exit;
```

modify user exit javaclass

DESCRIPTION:

Modifies Java Class user exits for the table mapping.

SYNTAX 1:

modify user exit javaclass

[classname]	Specifies the name of the java class that implements the UserExitIF interface.
[parameter]	Specifies the parameters that are to be used with the user exit program.
[beforeInsert]	Specifies if user exit will run before replicating an insert operation. VALID VALUES: true/yes false/no
[afterInsert]	Specifies if user exit will run after replicating an insert operation. VALID VALUES: true/yes false/no
[beforeUpdate]	Specifies if user exit will run before replicating an update operation. VALID VALUES: true/yes false/no
[afterUpdate]	Specifies if user exit will run after replicating an update operation. VALID VALUES: true/yes false/no
[beforeDelete]	Specifies if user exit will run before replicating a delete operation. VALID VALUES: true/yes false/no
[afterDelete]	Specifies if user exit will run after replicating a delete operation. VALID VALUES:

	true/yes false/no
[beforeRefresh]	Specifies if user exit will run before replicating a refresh operation. VALID VALUES: true/yes false/no
[afterRefresh]	Specifies if user exit will run after replicating a refresh operation. VALID VALUES: true/yes false/no
[beforeTruncate]	Specifies if user exit will run before replicating a truncate operation. VALID VALUES: true/yes false/no
[afterTruncate]	Specifies if user exit will run after replicating a truncate operation. VALID VALUES: true/yes false/no

SYNTAX 2:

Modifies Java Class user exits for the table mapping with Kafka target.

modify user exit javaclass

[classname]	Specifies the name of the java class that implements the UserExitIF interface.
[parameter]	Specifies the parameters that are to be used with the user exit program.

SUCCESS CODE:

1420

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE 1:

Selects table mapping and sets Java Class user exit.

```

connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
modify user exit javaclass classname CustomHandlerClass parameter 100 beforeInsert
yes afterDelete yes;
disconnect server;
exit;

```

SAMPLE 2:

Selects table mapping with a Kafka target and sets Java Class user exit.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name KFKDS context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
modify user exit javaclass classname
"com.datamirror.ts.target.publication.userexit.kafka.kafkaUESample"
  parameter "http://server.lab.com:8081";
disconnect server;
exit;
```

modify user exit storedproc

DESCRIPTION:

Modifies stored procedure user exits for the table mapping.

SYNTAX:

modify user exit storedproc

[schema]	Specifies the schema name.
[beforeInsert]	Specifies the name of the stored procedure that runs before replicating an insert operation.
[afterInsert]	Specifies the name of the stored procedure that runs after replicating an insert operation.
[beforeUpdate]	Specifies the name of the stored procedure that runs before replicating an update operation.
[afterUpdate]	Specifies the name of the stored procedure that runs after replicating an update operation.
[beforeDelete]	Specifies the name of the stored procedure that runs before replicating a delete operation.
[afterDelete]	Specifies the name of the stored procedure that runs after replicating a delete operation.
[beforeRefresh]	Specifies the name of the stored procedure that runs before replicating a refresh operation.
[afterRefresh]	Specifies the name of the stored procedure that runs after replicating a refresh operation.
[beforeTruncate]	Specifies the name of the stored procedure that runs before replicating a truncate operation.
[afterTruncate]	Specifies the name of the stored procedure that runs after replicating a truncate operation.

SUCCESS CODE:

1420

SINCE:

10.2.1

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Selects table mapping and sets Stored Procedure user exit.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
modify user exit storedproc schema USER1 beforeInsert PROCEDURE1 afterDelete
PROCEDURE2;
disconnect server;
exit;
```

show data translation

DESCRIPTION:

Displays data translation settings for target column(s) in the table mapping that is the current context.

SYNTAX:

```
show data translation
```

[targetColumn]	Specifies the name of the target column. If no value specified, data translation settings for all target columns will be displayed.
----------------	---

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Shows the data translations for a column.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable LOCATION;
show data translation targetColumn STATE;
disconnect server;
exit;
```

```
show derived column
```

DESCRIPTION:

Displays properties of a derived column in the table mapping that is the current context.

SYNTAX:

```
show derived column
```

name	Specifies the name of the derived column.
------	---

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Shows the properties of a derived column.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1;
add derived column PART_NAME datatype VARCHAR length 100 expression
"%UPPER(PARTNAME)";
show derived column name PART_NAME;
disconnect server;
exit;
```

show operations

DESCRIPTION:
Show the row and table-level operations that will be applied on the target for a table mapping. The table mapping must be first selected as the current context.

SYNTAX:
show operations

SINCE:
10.2.1

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Selects a table mapping and shows row- and table-level operations.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
show operations;
disconnect server;
exit;
```

show user exit

DESCRIPTION:
Display user exits for the table mapping.

SYNTAX:

show user exit

SINCE:
10.2.1

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Shows the user exit settings for a table mapping.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable TABLE_1 targetSchema USER1
targetTable TABLE_1;
show user exit;
disconnect server;
exit;
```

unmap column

DESCRIPTION:
Unmaps a target column in the table mapping that is the current context.

SYNTAX:
unmap column

targetColumn Specifies the target column to unmap.

SUCCESS CODE:
1415

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Unmaps a target column and displays the current column mappings.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceSchema USER1 sourceTable CUSTOMER;
unmap column targetColumn REWARDCODE;
list column mappings;
disconnect server;
exit;
```

Notifications commands

list datastore notification categories

DESCRIPTION:

Lists datastore notification categories.

SYNTAX:

```
list datastore notification categories
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
--------	--

SINCE:

11.3

REQUIRED ROLE:

Any

SAMPLE:

Lists the notification settings for a datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
list datastore notification categories;
disconnect server;
exit;
```

```
list datastore notification filters
```

DESCRIPTION:

Lists datastore notification filters.

SYNTAX:

```
list datastore notification filters
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
--------	--

[type]	Specifies the source or target filters.
--------	---

VALID VALUES:

source

target

DEFAULT:

source

SINCE:

11.3

REQUIRED ROLE:

Any

SAMPLE:

Lists the notification filters for a datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
list datastore notification filters type source;
disconnect server;
exit;
```

list datastore notification settings

DESCRIPTION:

Lists the settings for a datastore notification category. Execute the "list datastore notification categories" command to view the available zones and categories.

SYNTAX:

```
list datastore notification settings
```

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
[type]	Specifies a source or target category. VALID VALUES: source target DEFAULT: source
zone	Specifies the notification zone. Use either the full name of the zone or the numeric ID displayed in the "list datastore notification categories" command.
category	Specifies the notification category within a zone. Use either the full name of the category or the numeric ID displayed in the "list datastore notification categories" command.

SINCE:

11.3

REQUIRED ROLE:

Any

SAMPLE:

Lists the settings for a datastore notification category.

```
connect server username user1 password password1;
connect datastore name DS1;
list datastore notification categories;
list datastore notification settings type Source zone "Scrape/Refresh" category
Fatal;
list datastore notification settings type Source zone 1 category 1;
disconnect server;
exit;
```

```
list subscription notification categories
```

DESCRIPTION:

Lists subscription notification categories.

SYNTAX:

list subscription notification categories

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

SINCE:

11.3

REQUIRED ROLE:

Any

SAMPLE:

Lists the notification settings for a subscription.

```
connect server username user1 password password1;
connect datastore name DS1;
select subscription name SUB1;
list subscription notification categories;
disconnect server;
exit;
```

list subscription notification settings

DESCRIPTION:

Lists the settings for a subscription notification category. Execute the "list subscription notification categories" command to view the available zones and categories.

SYNTAX:

list subscription notification settings

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

[type] Specifies a source or target category.
VALID VALUES:
 source
 target
DEFAULT:
 source

zone Specifies the notification zone. Use either the full name of the zone or the numeric ID displayed in "list subscription notification categories" command.

category Specifies the notification category within a zone. Use either the full name of the category or the

numeric ID displayed in the "list subscription notification categories" command.

SINCE:
11.3

REQUIRED ROLE:
Any

SAMPLE:
Lists the settings for a subscription notification category.

```
connect server username user1 password password1;
connect datastore name DS1;
list subscription notification categories;
list subscription notification settings type Source zone "Scrape/Refresh" category
Fatal;
list subscription notification settings type Source zone 1 category 1;
disconnect server;
exit;
```

modify datastore notification filters

DESCRIPTION:
Modifies the notification filters for a datastore.

SYNTAX:
modify datastore notification filters

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
[type]	Specifies a source or target category. VALID VALUES: source target DEFAULT: source
mode	Specifies whether to exclude or include messages. VALID VALUES: exclude include
messageIDs	Specifies a comma-delimited list of message IDs to include or exclude.

SUCCESS CODE:
1208

SINCE:
11.3

REQUIRED ROLE:
Administrator, system administrator

SAMPLE 1:

Modifies the notification filters for a datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
list datastore notification filters;
modify datastore notification filters mode exclude messageIDs "1001,1203";
list datastore notification filters;
disconnect server;
exit;
```

SAMPLE 2:

Clears the notification filters for a datastore.

```
connect server username user1 password password1;
connect datastore name DS1;
list datastore notification filters;
modify datastore notification filters mode exclude messageIDs "";
list datastore notification filters;
disconnect server;
exit;
```

modify datastore notification settings

DESCRIPTION:

Modifies the settings for a datastore notification category. Execute the "list datastore notification settings" command to view the current values.

SYNTAX:

modify datastore notification settings

[name]	Specifies the name of the datastore. If a name is not provided, use the datastore that is currently set to source context.
[type]	Specifies a source or target category. VALID VALUES: source target DEFAULT: source
zone	Specifies the notification zone. Use either the full name of the zone or the numeric ID displayed in the "list datastore notification categories" command.
category	Specifies the notification category within a zone. Use either the full name of the category or the numeric ID displayed in the "list datastore notification categories" command.
[alert]	Specifies the alert name. Use either the full name of the alert or the numeric ID displayed in the "list datastore notification settings" command. The alert name is required when property values are specified or when enabling or disabling a specific alert.
[enabled]	Enables the notification settings for a zone and category. When the alert parameter is omitted, all

disabled. alerts within the zone and category are enabled or

VALID VALUES:

true/yes
false/no

[property]

Specifies the property name within an alert. Use either the full name of the property or the numeric ID displayed in the "list datastore notification settings" command. The property name is required when specifying a value.

[value]

Specifies the value for a property with an alert.

SUCCESS CODE:

1208

SINCE:

11.3

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Modifies the settings for a datastore notification category.

```
connect server username user1 password password1;
connect datastore name DS1;
list datastore notification categories;
list datastore notification settings type Source zone "Scrape/Refresh" category
Fatal;
modify datastore notification settings type Source zone "Scrape/Refresh" category
Fatal
    enabled yes;
modify datastore notification settings type Source zone "Scrape/Refresh" category
Fatal
    alert "USER HANDLER" property "Java Class Name" value
"com.mycompany.example.Handler";
modify datastore notification settings type Source zone 1 category 1
    alert 0 property 1 value "myemail@mycompany.com";
list datastore notification settings type Source zone "Scrape/Refresh" category
Fatal;
disconnect server;
exit;
```

modify subscription notification settings

DESCRIPTION:

Modifies the settings for a subscription notification category. Execute the "list subscription notification settings" command to view the current values.

SYNTAX:

modify subscription notification settings

[name]

Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used.

To view the current context, use the "show context" command.

[type] Specifies a source or target category.
VALID VALUES:
source
target
DEFAULT:
source

zone Specifies the notification zone. Use either the full name of the zone or the numeric ID displayed in the "list subscription notification categories"

command.
category Specifies the notification category within a zone. Use either the full name of the category or the numeric ID displayed in the "list subscription notification categories" command.

[alert] Specifies the alert name. Use either the full name of the alert or the numeric ID displayed in the "list subscription notification settings" command. The alert name is required when property values are specified or when enabling or disabling a specific alert.

[enabled] Enables the notification settings for a zone and category. When the alert parameter is omitted, all alerts within the zone and category are enabled or disabled.

disabled.
VALID VALUES:
true/yes
false/no

[property] Specifies the property name within an alert. Use either the full name of the property or the numeric ID displayed in the "list subscription notification settings" command. The property name is required when specifying a value.

[value] Specifies the value for a property with an alert.

[useDefault] Specifies that the notification settings for the zone and category should use the settings defined at the datastore level. The useDefault parameter cannot be combined with the enabled, property or value parameters.
VALID VALUES:
true/yes
false/no

SUCCESS CODE:
1208

SINCE:
11.3

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Modifies the settings for a subscription notification category.

```
connect server username user1 password password1;
connect datastore name DS1;
list subscription notification categories;
list subscription notification settings type Source zone "Scrape/Refresh" category
Fatal;
  modify subscription notification settings type Source zone "Scrape/Refresh"
category Fatal
  enabled yes;
  modify subscription notification settings type Source zone "Scrape/Refresh"
category Fatal
  alert "USER HANDLER" property "Java Class Name" value
"com.mycompany.example.Handler";
  modify subscription notification settings type Source zone 1 category 1
  alert 0 property 1 value "myemail@mycompany.com";
  modify subscription notification settings type Source zone "Environment" category
Fatal useDefault yes;
  list subscription notification settings type Source zone "Scrape/Refresh" category
Fatal;
disconnect server;
exit;
```

Replication commands

clear datastore events

DESCRIPTION:

Clears the events logged for a datastore.

SYNTAX:

```
clear datastore events
```

[name]	Specifies the name of the datastore whose events will be cleared. If a name is not provided, the datastore that is currently set to source and target context will be used.
type	Specifies whether to clear source, target, or both sets of events. VALID VALUES: source target both

SUCCESS CODE:

1320

SINCE:

10.2

REQUIRED ROLE:

Administrator, system administrator

SAMPLE:

Connects to a datastore and clears the source and target events logged at the datastore level.

```
connect server username user1 password password1;
connect datastore name DS1;
clear datastore events type both;
disconnect datastore name DS1;
disconnect server;
exit;
```

clear subscription events

DESCRIPTION:

Clears the events logged for a subscription.

SYNTAX:

```
clear subscription events
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

type Specifies whether to clear source, target, or both sets of events.
VALID VALUES:
source
target
both

SUCCESS CODE:
1321

SINCE:
10.2

REQUIRED ROLE:
Administrator, system administrator

SAMPLE:
Selects a subscription and clears the source events.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
clear subscription events type source;  
disconnect server;  
exit;
```

end replication

DESCRIPTION:
Ends replication for a subscription. The table mapping context is cleared after executing this command if the context is currently set to this subscription.

SYNTAX 1:
Ends replication for subscriptions that support normal/immediate/abort/scheduledEnd options.

end replication

[filter] Specifies which subscriptions to select. If filter is set to subscription, the subscription name or current context is used. If filter is set to datastore, the command executes on all subscriptions originating from the datastore that is currently selected as a source datastore.

VALID VALUES:
datastore
subscription

DEFAULT:
subscription

[name] Specifies the name of the datastore or subscription based on the "filter" parameter. If a subscription filter is selected and a name is provided, the subscription must match the current source and target datastores in context.

[method]	Specifies the method to stop replication. VALID VALUES: normal immediate abort scheduledEnd DEFAULT: normal
[endType]	Identifies the scheduled end type when the "method" parameter is set to value "scheduledEnd". VALID VALUES: now logPosition localTime DEFAULT: now
[endValue]	When the "endType" parameter is set to value "logPosition", specifies a log position for the end value. When the "endType" parameter is set to value "localTime", specifies the exact date and time in the source engine's time zone using the yyyyMMddHHmmssSSS format.
[wait]	Specifies how long to wait (in seconds) for replication to stop before continuing with script execution. Use -1 to wait indefinitely, 0 for no wait, or the maximum number of seconds to wait before continuing. DEFAULT: 0

SYNTAX 2:

Ends replication for subscriptions that support controlled/immediate options.

end replication

[filter]	Specifies which subscriptions to select. If filter is set to subscription, the subscription name or current context is used. If filter is set to datastore, the command executes on all subscriptions originating from the datastore that is currently selected as a source datastore. VALID VALUES: datastore subscription DEFAULT: subscription
[name]	Specifies the name of the datastore or subscription based on the "filter" parameter. If a subscription filter is selected and a name is provided, the subscription must match the current source and target datastores in context.
[method]	Specifies the method to stop replication. VALID VALUES: controlled immediate

DEFAULT:
controlled
[wait] Specifies how long to wait (in seconds) for replication to stop before continuing with script execution. Use -1 to wait indefinitely, 0 for no wait, or the maximum number of seconds to wait before continuing.
DEFAULT:
0

SYNTAX 3:
Ends replication for Classic CDC subscriptions that support scheduledEnd.

end replication

[filter] Specifies which subscriptions to select. If filter is set to subscription, the subscription name or current context is used. If filter is set to datastore, the command executes on all subscriptions originating from the datastore that is currently selected as a source datastore.
VALID VALUES:
datastore
subscription

DEFAULT:
subscription
[name] Specifies the name of the datastore or subscription based on the "filter" parameter. If a subscription filter is selected and a name is provided, the subscription must match the current source and target datastores in context.

[method] Specifies the method to stop replication.
VALID VALUES:
controlled
immediate
scheduledEnd

DEFAULT:
controlled
[endType] Identifies the scheduled end type when the "method" parameter is set to value "scheduledEnd".
VALID VALUES:
now
localTime

DEFAULT:
now
[endValue] When the "endType" parameter is set to value "localTime", specifies the exact date and time in the source engine's time zone using the yyyyMMddHHmmssSSS format.

[wait] Specifies how long to wait (in seconds) for replication to stop before continuing with script execution. Use -1 to wait indefinitely, 0 for no wait, or the maximum number of seconds to wait before continuing.
DEFAULT:

SUCCESS CODE:

1314

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE 1:

Selects a subscription and ends replication using normal shutdown.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
end replication;
disconnect server;
exit;
```

SAMPLE 2:

Selects a subscription and schedules it to end replicating.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
end replication method scheduledEnd endType now;
disconnect server;
exit;
```

export subscription performance snapshot

DESCRIPTION:

Collects and records performance statistics for a subscription. To display the statistics in Management Console, select Import Snapshot on the Performance view.

SYNTAX:

export subscription performance snapshot

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
folder	Specifies the output folder where the statistics snapshot will be saved.
[endTime]	Specifies the end time using "yyyyMMddHHmm". Statistics will be collected at each interval until the end time is exceeded.
[count]	Specifies the number of times to request statistics.

VALID RANGE:
1 to 2147483647

[wait] Specifies the number of seconds to wait between sending each statistics request.
VALID RANGE:
1 to 2147483647
DEFAULT:
5

SUCCESS CODE:
1333

SINCE:
11.3

REQUIRED ROLE:
Any

SAMPLE 1:
Polls performance statistics for the subscription 10 times with a 10 second wait between snapshots and records the results to a snapshot folder.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
export subscription performance snapshot count 10 wait 10 folder "C:/snapshots";  
disconnect server;  
exit;
```

SAMPLE 2:
Polls performance statistics for the subscription until 8:00AM with a 10 second wait between snapshots and records the results to a snapshot folder.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
export subscription performance snapshot endtime 201312120800 wait 10 folder  
"C:/snapshots";  
disconnect server;  
exit;
```

list datastore events

DESCRIPTION:
Lists the events for a datastore.

SYNTAX:
list datastore events

[name] Specifies the name of the datastore whose events will be displayed. If a name is not provided, the datastore that is currently set to source and target context will be used.

type Specifies whether to retrieve source or target events for the datastore.

[count] VALID VALUES:
source
target
Specifies the maximum number of events to retrieve.
VALID RANGE:
1 to 10000
DEFAULT:
500

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:
Lists 500 source events from a datastore.

```
connect server username user1 password password1;  
connect datastore name DS1;  
list datastore events type source count 500;  
disconnect datastore name DS1;  
disconnect server;  
exit;
```

list subscription events

DESCRIPTION:
Lists the events for a subscription.

SYNTAX:
list subscription events

[name] Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.

type Specifies whether to retrieve source or target events for the subscription.
VALID VALUES:
source
target

[count] Specifies the number of events to fetch.
VALID RANGE:
1 to 10000
DEFAULT:
500

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:

Selects a subscription and lists 500 source and target subscription events.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
list subscription events name SUB1 type source count 500;
list subscription events name SUB1 type target count 500;
disconnect server;
exit;
```

list subscription performance metrics

DESCRIPTION:

Lists the available performance metrics of the subscription.

SYNTAX:

```
list subscription performance metrics
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

10.2.1

REQUIRED ROLE:

Any

SAMPLE:

Select a subscription and lists its available performance metrics.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
list subscription performance metrics;
disconnect server;
exit;
```

```
list table performance metrics
```

DESCRIPTION:

Lists the available table level performance metrics of the subscription.

SYNTAX:

```
list table performance metrics
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:
10.2.1

REQUIRED ROLE:
Any

SAMPLE:
Selects a subscription and lists its available table level performance metrics.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
list table performance metrics;  
disconnect server;  
exit;
```

monitor replication

DESCRIPTION:
Monitors the replication state and latency of subscriptions.

SYNTAX:
monitor replication

[filter]	Specifies how the subscriptions to monitor will be selected. If a datastore or subscription filter is selected and the name is not provided, the current context will be used. VALID VALUES: all datastore subscription DEFAULT: all
[name]	Specifies the name of the datastore or subscription based on the "filter" parameter. If a subscription filter is selected and a name is provided, the subscription must match the current source and target datastores in context.

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:
Polls the datastore for the current replication state, scheduled end setting (when applicable), and current latency threshold for each subscription.

```
connect server username user1 password password1;  
connect datastore name DS1;  
monitor replication;
```

```
disconnect server;  
exit;
```

monitor subscription activity

DESCRIPTION:

Monitors subscription activity statistics.

SYNTAX:

```
monitor subscription activity
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Polls the activity (byte and operation counts) for a subscription and displays the source and target values.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
monitor subscription activity;  
disconnect server;  
exit;
```

monitor subscription busy tables

DESCRIPTION:

Monitors the busy tables in a subscription. The subscription must be actively mirroring in order to capture busy table information.

SYNTAX:

```
monitor subscription busy tables
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Polls the subscription for the list of busiest tables.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
monitor subscription busy tables;
disconnect server;
exit;
```

monitor subscription latency

DESCRIPTION:

Monitors subscription latency statistics.

SYNTAX:

```
monitor subscription latency
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is currently identified as the context will be used. To view the current context, use the "show context" command.
--------	--

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Polls latency information for the subscription and displays the current value.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
monitor subscription latency;
disconnect server;
exit;
```

monitor subscription performance

DESCRIPTION:

Monitors subscription performance statistics.

SYNTAX:

```
monitor subscription performance
```

[name]	Specifies the name of the subscription. If a name is not provided, the subscription that is
--------	---

metricIDs currently identified as the context will be used.
To view the current context, use the "show
context" command.
subscription. Specifies a comma-delimited list of statistic
metric IDs used to monitor the performance of the

SINCE:
10.2.1

REQUIRED ROLE:
Any

SAMPLE:
Polls the performance statistics (byte and operation counts) for a subscription
and displays the source and target values.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
list subscription performance metrics;  
monitor subscription performance metricIDs "1301,101,102,202,207,208,209,2305";  
disconnect server;  
exit;
```

monitor subscription refresh

DESCRIPTION:
Monitors the refresh status of the tables in a subscription. If the subscription
is currently being refreshed, the result is a table of statistics for each table
flagged for refresh. If the subscription is not actively refreshing tables, the
result is the last known refresh statistics, if any are available.

SYNTAX:
monitor subscription refresh

[name] Specifies the name of the subscription. If a name
is not provided, the subscription that is
currently identified as the context will be used.
To view the current context, use the "show
context" command.

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:
Polls the subscription for the statistics of the tables currently being refreshed.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;
```

```
select subscription name SUB1;
monitor subscription refresh;
disconnect server;
exit;
```

monitor table performance

DESCRIPTION:

Monitors table performance statistics for a table mapping selected as the current context or a rule table selected for the subscription.

SYNTAX 1:

Monitors table performance statistics for the table mapping selected as the current context.

```
monitor table performance
```

metricIDs	Specifies a comma-delimited list of statistic metric IDs used to monitor the performance of the source and target tables of the table mapping.
-----------	--

SYNTAX 2:

Monitors table performance statistics for a rule table that is specified by schema and name.

```
monitor table performance
```

schema	Specifies the schema name of the table.
table	Specifies the name of the table.
metricIDs	Specifies a comma-delimited list of statistic metric IDs used to monitor the performance of the source and target tables of the table mapping.

SINCE:

10.2.1

REQUIRED ROLE:

Any

SAMPLE 1:

Polls the performance statistics (byte and operation counts) for a table mapping and displays the source and target values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
select table mapping sourceTable TABLE_1;
list table performance metrics;
monitor table performance metricIDs "1601,1602,1603,1604";
disconnect server;
exit;
```

SAMPLE 2:

Polls the performance statistics (byte and operation counts) for a rule table

and displays the source and target values.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
list rule set tables;
list table performance metrics;
monitor table performance schema USER1 table TABLE1 metricIDs
"1601,1602,1603,1604";
disconnect server;
exit;
```

show datastore event details

DESCRIPTION:

Shows the details of a datastore event. "list datastore events" must be called before running this command.

SYNTAX:

```
show datastore event details
```

row	Specifies the row number from the previous "list datastore events" result. VALID RANGE: 1 to 2147483647
-----	---

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Lists the events for a datastore and displays details about the first one.

```
connect server username user1 password password1;
connect datastore name datastore1;
list datastore events context source;
show datastore event details row 1;
disconnect datastore;
disconnect server;
exit;
```

show subscription event details

DESCRIPTION:

Shows the details of a subscription event. "list subscription events" must be called before running this command.

SYNTAX:

```
show subscription event details
```

row	Specifies the row number from the previous "list
-----	--

subscription events" result.
VALID RANGE:
1 to 2147483647

SINCE:
10.2

REQUIRED ROLE:
Any

SAMPLE:
Lists the events for a subscription and displays details about the first one.

```
connect server username user1 password password1;
connect datastore name datastore1;
select subscription name SUB1;
list subscriptions events context source;
show subscription event details row 1;
disconnect datastore;
disconnect server;
exit;
```

start mirroring

DESCRIPTION:
Starts mirroring a subscription. Use the "list table mappings" command to view the list of tables that are currently marked for mirroring. The table mapping context is cleared after executing this command if the context is currently set to this subscription. If the "start mirroring" command is executed with no wait and the "list table mappings" command is immediately executed, use the reload option to update the table statuses.

SYNTAX 1:
Starts mirroring for subscriptions that support mirroring continuous and scheduledEnd with now, log position, and local time options.

start mirroring

[filter]	Specifies which subscriptions to select. If filter is set to subscription, the subscription name or current context is used. If filter is set to datastore, the command executes on all subscriptions originating from the datastore that is currently selected as a source datastore. VALID VALUES: datastore subscription DEFAULT: subscription
[name]	Specifies the name of the datastore or subscription based on the "filter" parameter. If a subscription filter is selected and a name is provided, the subscription must match the current source and target datastores in context.
[method]	Specifies whether to start mirroring continuous or

mirroring scheduled end.
 VALID VALUES:
 continuous
 scheduledEnd
 DEFAULT:
 continuous
 Identifies the scheduled end type when method is
 [endType]
 scheduledEnd.

VALID VALUES:
 now
 logPosition
 localTime
 DEFAULT:
 now
 [endValue]
 When endType is logPosition, specifies a log
 position for the end value. When endType is
 localTime, specifies the exact date and time in
 the source engine's time zone using the
 yyyyMMddHHmmssSSS format.
 [wait]
 Specifies how long to wait (in seconds) for
 mirroring to start before continuing with script
 execution. Use -1 to wait indefinitely, 0 for no
 wait, or maximum number of seconds to wait before
 continuing.
 DEFAULT:
 0

SYNTAX 2:
 Starts mirroring for subscriptions that support mirroring continuous and
 standard scheduled end options.

start mirroring

[filter]
 Specifies which subscriptions to select. If filter
 is set to subscription, the subscription name or
 current context is used. If filter is set to
 datastore, the command executes on all
 subscriptions originating from the datastore that
 is currently selected as a source datastore.
 VALID VALUES:
 datastore
 subscription
 DEFAULT:
 subscription

[name]
 Specifies the name of the datastore or
 subscription based on the "filter" parameter. If a
 subscription filter is selected and a name is
 provided, the subscription must match the current
 source and target datastores in context.

[method]
 Specifies whether to start mirroring continuous or
 mirroring scheduled end.
 VALID VALUES:
 continuous
 scheduledEnd
 DEFAULT:

[wait] continuous
Specifies how long to wait (in seconds) for mirroring to start before continuing with script execution. Use -1 to wait indefinitely, 0 for no wait, or maximum number of seconds to wait before continuing.

DEFAULT:
0

SUCCESS CODE:
1312

SINCE:
10.2

REQUIRED ROLE:
Operator, administrator, system administrator

SAMPLE:
Selects a subscription and starts mirroring.

```
connect server username user1 password password1;  
connect datastore name DS1 context source;  
connect datastore name DS2 context target;  
select subscription name SUB1;  
start mirroring;  
disconnect server;  
exit;
```

start refresh

DESCRIPTION:
Starts refreshing a subscription. Use the "list table mappings" command to view the list of tables that are currently flagged for refresh. The table mapping context is cleared after executing this command if the context is currently set to this subscription. If the "start refresh" command is executed with no wait and the "list table mappings" command is immediately executed, use the reload option to update the table statuses.

SYNTAX:
start refresh

[filter] Specifies which subscriptions to select. If filter is set to subscription, the subscription name or current context is used. If filter is set to datastore, the command executes on all subscriptions originating from the datastore that is currently selected as a source datastore.

VALID VALUES:
datastore
subscription

DEFAULT:
subscription

[name] Specifies the name of the datastore or subscription based on the "filter" parameter. If a

[wait]

continuing.

subscription filter is selected and a name is provided, the subscription must match the current source and target datastores in context. Specifies how long to wait (in seconds) for refresh to start before continuing with script execution. Use -1 to wait indefinitely, 0 for no wait, or maximum number of seconds to wait before

DEFAULT:

0

SUCCESS CODE:

1313

SINCE:

10.2

REQUIRED ROLE:

Operator, administrator, system administrator

SAMPLE:

Selects a subscription and starts refresh.

```
connect server username user1 password password1;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
start refresh;
disconnect server;
exit;
```

Access Manager commands

add access connection

DESCRIPTION:

Adds a new connection between a datastore and user in Access Server.

SYNTAX:

```
add access connection
```

username	Specifies the username.
datastore	Specifies the datastore name.
dbUser	Specifies the database username.
dbPassword	Specifies the database password.
[alwaysPrompt]	Specifies whether the user should be prompted for login credentials. VALID VALUES: true/yes false/no DEFAULT: false
[showParameterValues]	Specifies whether parameter values are displayed at login. VALID VALUES: true/yes false/no DEFAULT: false
[writeProtectParameters]	Specifies that parameters are write-protected. VALID VALUES: true/yes false/no DEFAULT: false
[saveParameters]	Specifies that parameters can be saved. VALID VALUES: true/yes false/no DEFAULT: true

SUCCESS CODE:

1611

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE:

Adds a new datastore connection to a user.

```
connect server username user1 password password1;
```



```
add access user name USER1;
add access connection username USER1 datastore DS1 dbUser DBUSER dbPassword
mypassword;
list access datastores username USER1;
disconnect server;
exit;
```

add access datastore

DESCRIPTION:

Adds a new datastore to Access Server.

SYNTAX:

```
add access datastore
```

name	Specifies the name of the datastore.
[description]	Specifies a description of the datastore. DEFAULT: ""
hostname	Specifies the host name where the datastore is
installed.	
port	Specifies the port number used to connect to datastore. VALID RANGE: 1 to 65535
[multiuser]	Specifies that subscriptions must be locked before
editing.	
	VALID VALUES: true/yes false/no
	DEFAULT: false

SUCCESS CODE:

1609

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE:

Adds a new datastore to Access Server.

```
connect server username user1 password password1;
add access datastore name DS1 hostname server.host.com port 11111;
show access datastore name DS1;
disconnect server;
exit;
```

```
add access user
```

DESCRIPTION:

Adds a new user to Access Server.

SYNTAX 1:
add access user

name	Specifies the name of the user.
[fullname]	Specifies the full name for the user. DEFAULT: ""
[description]	Specifies a description for the user. DEFAULT: ""
[password]	Specifies a login password for the user. DEFAULT: ""
[role]	Specifies a role for the user. VALID VALUES: monitor operator admin sysadmin DEFAULT: sysadmin
[manager]	Specifies whether the user is a datastore and user account manager. Only system administrators can be managers. VALID VALUES: true/yes false/no DEFAULT: false
[changePassword]	Specifies whether the user is required to change their password when they next log in. VALID VALUES: true/yes false/no DEFAULT: false
[passwordExpires]	Specifies whether the password expires according to Access Server policy. VALID VALUES: true/yes false/no DEFAULT: false

SYNTAX 2:
Adds a new user to Access Server when using LDAP authentication.

add access user

name	Specifies the name of the user.
[role]	Specifies a role for the user. VALID VALUES: monitor operator admin

[manager] sysadmin
managers. DEFAULT: sysadmin
Specifies whether the user is a datastore and user account manager. Only system administrators can be

VALID VALUES:
true/yes
false/no
DEFAULT:
false

SUCCESS CODE:
1607

SINCE:
10.2.1

REQUIRED ROLE:
System administrator with user and datastore management privileges

SAMPLE 1:
Adds a new user to Access Server.

```
connect server username user1 password password1;  
add access user name USER1 manager yes changepassword yes;  
show access user name USER1;  
disconnect server;  
exit;
```

SAMPLE 2:
Adds a new user to Access Server when using LDAP authentication.

```
connect server username user1 password password1;  
add access user name USER1 manager yes;  
show access user name USER1;  
disconnect server;  
exit;
```

add ldap access manager

DESCRIPTION:
Adds the first user with access manager privilege for Access Server when using LDAP for authentication.

SYNTAX:
add ldap access manager

username	Specifies the name of the user, must be a valid LDAP user.
password	Specifies the password for the user to authenticate to LDAP server.

SUCCESS CODE:
1607

SINCE:
11.4.0.0

REQUIRED ROLE:

SAMPLE:

Adds the first access manager user for Access Server when using LDAP for authentication, then connect to Access Server with the user created.

```
add ldap access manager username USER1 password password1;
connect server username USER1 password password1;
show access user name USER1;
disconnect server;
exit;
```

change login password

DESCRIPTION:

Updates the Access Server login password for a user.

SYNTAX:

change login password

[name]	Specifies the name of the user. If the name parameter is not provided, the password is updated for the user currently logged in.
[oldPassword]	Specifies the old password.
newPassword	Specifies the new password.

SUCCESS CODE:

1613

SINCE:

10.2.1

REQUIRED ROLE:

Any

SAMPLE:

Changes the login password for a user.

```
connect server username user1 password password1;
change login password oldPassword password11 newPassword password22;
disconnect server;
exit;
```

close access user connections

DESCRIPTION:

Terminates open Access Server connections for a user.

SYNTAX:

close access user connections

name Specifies the name of the user.

SUCCESS CODE:

1618

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

delete access connection

DESCRIPTION:

Deletes a connection between a datastore and user in Access Server.

SYNTAX:

delete access connection

username Specifies the username.
datastore Specifies the datastore name.

SUCCESS CODE:

1612

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE:

Removes a datastore connection from a user in Access Server.

```
connect server username user1 password password1;  
delete access connection username USER1 datastore DS1;  
list access datastores username USER1;  
disconnect server;  
exit;
```

delete access datastore

DESCRIPTION:

Deletes a datastore in Access Server.

SYNTAX:

delete access datastore

name Specifies the name of the datastore.

SUCCESS CODE:

1610

SINCE:
10.2.1

REQUIRED ROLE:
System administrator with user and datastore management privileges

SAMPLE:
Removes a datastore from Access Server.

```
connect server username user1 password password1;
delete access datastore name DS1;
list access datastores;
disconnect server;
exit;
```

delete access user

DESCRIPTION:
Deletes a user in Access Server.

SYNTAX:
delete access user

name Specifies the name of the user.

SUCCESS CODE:
1608

SINCE:
10.2.1

REQUIRED ROLE:
System administrator with user and datastore management privileges

SAMPLE:
Deletes a user from Access Server.

```
connect server username user1 password password1;
delete access user name USER1;
list access users;
disconnect server;
exit;
```

list access connections

DESCRIPTION:
Lists the access connections for a datastore or user configured in Access Server.

SYNTAX:
list access connections

[username] Specifies a filter that displays datastores associated with the user. Only one of the "username" parameter or "datastore" parameter can

[datastore] be specified.
Specifies a filter that displays users associated with the datastore. Only one of the "username" parameter or "datastore" parameter can be specified.

SINCE:
11.3.3

REQUIRED ROLE:
System administrator with user and datastore management privileges

SAMPLE 1:
Lists the datastores associated with user USER1.

```
connect server username user1 password password1;  
list access connections username USER1;  
disconnect server;  
exit;
```

SAMPLE 2:
Lists the users associated with datastore DS1.

```
connect server username user1 password password1;  
list access connections datastore DS1;  
disconnect server;  
exit;
```

list access datastores

DESCRIPTION:
Lists the datastores configured in Access Server.

NOTE: The username parameter has been deprecated in this release and may be removed in the future. To view the datastores associated with a user, use the "list access connections" command.

SYNTAX:
list access datastores

[username] Specifies a filter that displays datastores associated with the user. When the "username" parameter is omitted, all datastores are listed.

SINCE:
10.2.1

REQUIRED ROLE:
System administrator with user and datastore management privileges

SAMPLE 1:
Lists the datastores in Access Server.

```
connect server username user1 password password1;  
list access datastores;  
disconnect server;
```

```
exit;
```

SAMPLE 2:

Lists the datastores for a specific user in Access Server.

```
connect server username user1 password password1;
list access datastores name USER1;
disconnect server;
exit;
```

list access users

DESCRIPTION:

Lists the users configured in Access Server.

NOTE: The datastore parameter has been deprecated in this release and may be removed in the future. To view the users associated with a datastore, use the "list access connections" command.

SYNTAX:

```
list access users
```

[datastore]	Specifies a filter that displays users associated with the datastore. When the "datastore" parameter is omitted, all users are listed.
-------------	--

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE 1:

Lists the users in Access Server.

```
connect server username user1 password password1;
list access users;
disconnect server;
exit;
```

SAMPLE 2:

Lists the users with connection to a specific datastore in Access Server.

```
connect server username user1 password password1;
list access users datastore DS1;
disconnect server;
exit;
```

modify access connection

DESCRIPTION:

Modifies a connection between a datastore and user in Access Server.

SYNTAX:

modify access connection

username	Specifies the username.
datastore	Specifies the datastore name.
[dbUser]	Specifies the database username.
[dbPassword]	Specifies the database password.
[alwaysPrompt]	Specifies whether the user should be prompted for login credentials. VALID VALUES: true/yes false/no
[showParameterValues]	Specifies whether parameter values are displayed at login. VALID VALUES: true/yes false/no
[writeProtectParameters]	Specifies that parameters are write-protected. VALID VALUES: true/yes false/no
[saveParameters]	Specifies that parameters can be saved. VALID VALUES: true/yes false/no

SUCCESS CODE:

1617

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE:

Modifies the connection settings to a datastore for a user.

```
connect server username user1 password password1;
modify access connection username USER1 datastore DS1 dbUser DBUSER dbPassword
password12;
list access datastores username USER1;
disconnect server;
exit;
```

modify access datastore

DESCRIPTION:

Modifies a datastore to Access Server.

SYNTAX:

modify access datastore

name	Specifies the name of the datastore.
[description]	Specifies a description of the datastore.

[hostname]	Specifies the host name where the datastore is installed.
[port]	Specifies the port number used to connect to datastore. VALID RANGE: 1 to 65535
[multiuser]	Specifies that subscriptions must be locked before editing. VALID VALUES: true/yes false/no

SUCCESS CODE:
1616

SINCE:
10.2.1

REQUIRED ROLE:
System administrator with user and datastore management privileges

SAMPLE:
Modifies the properties of a datastore in Access Server.

```
connect server username user1 password password1;
modify access datastore name DS1 hostname server2.host.com port 22222;
show access datastore name DS1;
disconnect server;
exit;
```

modify access user

DESCRIPTION:
Modifies a user to Access Server.

SYNTAX 1:
modify access user

name	Specifies the name of the user.
[fullname]	Specifies the full name for the user.
[description]	Specifies a description for the user.
[password]	Specifies a login password for the user.
[role]	Specifies a role for the user. VALID VALUES: monitor operator admin sysadmin
[manager]	Specifies whether the user is a datastore and user account manager. Only system administrators can be managers. VALID VALUES: true/yes false/no
[changePassword]	Specifies whether the user is required to change their password when they next log in.

VALID VALUES:
 true/yes
 false/no

[passwordExpires] Specifies whether the password expires according to Access Server policy.

VALID VALUES:
 true/yes
 false/no

[disabled] Specifies whether the user account is disabled.

VALID VALUES:
 true/yes
 false/no

[locked] Specifies whether the user account is locked.

VALID VALUES:
 true/yes
 false/no

SYNTAX 2:
 Modifies a user to Access Server when using LDAP authentication.

modify access user

name Specifies the name of the user.
 [role] Specifies a role for the user.

VALID VALUES:
 monitor
 operator
 admin
 sysadmin

[manager] Specifies whether the user is a datastore and user account manager. Only system administrators can be managers.

VALID VALUES:
 true/yes
 false/no

SUCCESS CODE:
 1615

SINCE:
 10.2.1

REQUIRED ROLE:
 System administrator with user and datastore management privileges

SAMPLE 1:
 Modifies the properties of a user in Access Server.

```
connect server username user1 password password1;
modify access user name USER1 changepassword yes;
show access user name USER1;
disconnect server;
exit;
```

SAMPLE 2:

Resets a disabled and locked account.

```
connect server username user1 password password1;
modify access user name USER1 disabled no locked no;
show access user name USER1;
disconnect server;
exit;
```

SAMPLE 3:

Modifies the properties of a user in Access Server when using LDAP authentication.

```
connect server username user1 password password1;
modify access user name USER1 manager no;
show access user name USER1;
disconnect server;
exit;
```

show access connection

DESCRIPTION:

Shows the properties of a connection between a user and datastore in Access Server.

SYNTAX:

```
show access connection
```

username	Specifies the username.
datastore	Specifies the datastore name.

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE:

Shows the connection information for a user to a datastore in Access Server.

```
connect server username user1 password password1;
show access connection username USER1 datastore DS1;
disconnect server;
exit;
```

show access datastore

DESCRIPTION:

Shows the properties of a datastore in Access Server.

SYNTAX:

```
show access datastore
```

name	Specifies the name of the datastore.
------	--------------------------------------

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE:

Shows the properties of a datastore in Access Server.

```
connect server username user1 password password1;
show access datastore name DS1;
disconnect server;
exit;
```

show access user

DESCRIPTION:

Shows the properties of a user in Access Server.

SYNTAX:

```
show access user
```

```
name                               Specifies the user name.
```

SINCE:

10.2.1

REQUIRED ROLE:

System administrator with user and datastore management privileges

SAMPLE:

Shows the properties of a user in Access Server.

```
connect server username user1 password password1;
show access user name USER1;
disconnect server;
exit;
```

Support commands

run support assistant

DESCRIPTION:

Gathers support information from Access Server.

SYNTAX:

```
run support assistant
```

filename	Specifies the fully qualified output zip filename for the Support Assistant collection. Use double quotes to surround the filename. ".zip" will be appended to the filename, if it does not end with the zip extension.
----------	---

SUCCESS CODE:

1005

SINCE:

10.2

REQUIRED ROLE:

Any

SAMPLE:

Performs operations while Access Server tracing is enabled and runs support assistant to collect the traces.

```
connect server username user1 password password1;
modify server tracing yes;
connect datastore name DS1 context source;
connect datastore name DS2 context target;
select subscription name SUB1;
...
modify server tracing no;
run support assistant filename "c:\\output\\sa.zip";
disconnect server;
exit;
```