

Oracle® Business Intelligence Data Warehouse Administration Console

Release Notes

Version 10.1.3.4.1

E12655-08

November 16, 2011

These release notes describe known issues and workarounds for the Oracle Business Intelligence Data Warehouse Administration Console releases 10.1.3.4 and 10.1.3.4.1.

The Oracle Business Intelligence Data Warehouse Administration Console (DAC) is a centralized console for schema management as well as configuration, administration, loading, and monitoring of the Oracle Business Analytics Warehouse.

The following list describes the sections of this document:

- [Section 1, "How to Use These Release Notes"](#)
- [Section 2, "General Issues and Workarounds"](#)
- [Section 3, "Oracle Business Intelligence Data Warehouse Administration Console: General"](#)
- [Section 4, "Documentation Accessibility"](#)

1 How to Use These Release Notes

These release notes are updated periodically as new information becomes available. To ensure that you are reading the latest release of the release notes, check the Oracle Business Intelligence Data Warehouse Administration Console Documentation Web site:

http://www.oracle.com/technology/documentation/bi_dac.html

2 General Issues and Workarounds

This section describes general issues and workarounds for the Oracle Business Intelligence Data Warehouse Administration Console. It contains the following topics:

- [Section 2.1, "Certification Information"](#)
- [Section 2.2, "Installation and Upgrade"](#)
- [Section 2.3, "Documentation Corrections"](#)

2.1 Certification Information

For certification information, refer to the *System Requirements and Supported Platforms for Oracle Business Intelligence Data Warehouse Administration Console* document. This document is part of the Oracle Business Intelligence Data Warehouse Administration Console documentation set.

2.2 Installation and Upgrade

This section provides release notes on installing and upgrading Oracle Business Intelligence Data Warehouse Administration Console. It contains the following topics:

- [Section 2.2.1, "Patch for DAC Release 10.1.3.4.1"](#)
- [Section 2.2.2, "DAC Release 10.1.3.4 Usage with Oracle Business Intelligence Applications"](#)
- [Section 2.2.3, "Invoke setup.exe From the Relevant Platform Directory on the Installation CD-ROM"](#)
- [Section 2.2.4, "Oracle Universal Installer Cannot Install DAC On A UNIX Platform"](#)
- [Section 2.2.5, "Co-locate the DAC Server With the Informatica Server"](#)
- [Section 2.2.6, "Informatica Static Parameter Files Need to Be Copied from Oracle Business Intelligence Applications Installation Folder to DAC 10.1.3.4 Folder"](#)
- [Section 2.2.7, "Custom SQL and Index Overrides Are Obsoleted"](#)
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- [Section 2.2.10, "Oracleroot.sh Error Installing DAC on Linux with Oracle Business Intelligence Enterprise Edition 11g"](#)
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- [Section 2.2.13, "Deinstalling DAC 10.1.3.4.1"](#)
- [Section 2.2.14, "Platform Upgrade Users Should Accept Target for Phases Before Merge"](#)
- [Section 2.2.15, "DAC Behavior for Truncating Tables When Upgrading from DAC 7.9.x to DAC 10.1.3.4.1"](#)
- [Section 2.2.16, "DAC Client and DAC Server Machines Require Informatica domains.infa File"](#)

2.2.1 Patch for DAC Release 10.1.3.4.1

This issue applies to release 10.1.3.4.1.

DAC Cumulative Patch 12381656 is available for DAC release 10.1.3.4.1. This patch is mandatory for BI Applications 7.9.6.3. Customers on all other versions of BI Applications using DAC 10.1.3.4.1 are also recommended to upgrade to this patch.

Workaround

Download and install DAC release 10.1.3.4.1 from OTN at:

<http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/downloads/business-intelligence-10g-165415.html>

or from edelivery.oracle.com. Then apply the DAC platform version 10.1.3.4.1 and DAC Cumulative Patch 12381656.

DAC Cumulative Patch 12381656 is available for download at <http://support.oracle.com>.

2.2.2 DAC Release 10.1.3.4 Usage with Oracle Business Intelligence Applications

This issues applies to releases 10.1.3.4 and 10.1.3.4.1.

DAC release 10.1.3.4 is an Oracle BI foundation component that is designed to be used with Oracle Business Intelligence Applications. Before installing DAC release 10.1.3.4, ensure that a working instance of any prior release of DAC exists in your current Oracle Business Intelligence Applications environment.

DAC release 10.1.3.4 will be installed in an Oracle home directory, which is a different directory from the current working Oracle BI/DAC directory. Therefore, DAC release 10.1.3.4 can be installed on the same machine that contains your current release of the DAC Client (or DAC Server). DAC release 10.1.3.4 can co-exist with previous releases.

When the DAC Client release 10.1.3.4 is configured to read DAC metadata in the current DAC repository database for the first time, the current DAC repository will be upgraded to be compatible with DAC release 10.1.3.4. Only the DAC Client release 10.1.3.4 (and DAC Server release 10.1.3.4) can be used to read that repository after the upgrade.

2.2.3 Invoke setup.exe From the Relevant Platform Directory on the Installation CD-ROM

This issue applies to Releases 10.1.3.4 and 10.1.3.4.1.

You need to invoke the DAC setup.exe file from the relevant platform directory on the installation CD-ROM.

For example, to install DAC on the Windows 32-bit version, you need to access the setup.exe file from the directory `\dac\disk1\install\win32\setup.exe`.

2.2.4 Oracle Universal Installer Cannot Install DAC On A UNIX Platform

This issues applies to Releases 10.1.3.4 and 10.1.3.4.1.

The Oracle Universal Installer cannot install DAC 10.1.3.4 on UNIX (that is, AIX, Solaris, HP). Therefore, to install a DAC Server on UNIX, you copy the `\DAC` folder from the Windows machine on which the DAC Client is installed to a UNIX machine, as described below.

Workaround

1. On the Windows machine on which the DAC Client is installed, create a temporary directory (for example, a directory named `\OracleBI_UNIX\`).
You will use this temporary directory to create a zip file for the UNIX/Solaris deployment.
2. Copy the `\DAC\` directory to the temporary directory (for example, `\OracleBI_UNIX\`).
3. From the `\DAC\` directory in the temporary directory, remove the `\export` and `\icons` sub-folders.
4. Zip up the temporary directory (for example, `\OracleBI_Solaris\`).
5. Copy the ZIP file to the target UNIX machine.

Note: If you use FTP to copy the zip file, use binary mode.

6. On the target UNIX machine, place the zip file in a directory where you want to install the DAC server.
7. On the target machine, unzip the zip file.
8. Shell scripts are provided in the DAC/unix_script_bkp directory. Copy these files to the /DAC directory.

After copying these files to a UNIX machine and before using them, you may need to use a MS-DOS to UNIX conversion tool to convert the script files to UNIX format (that is, remove the carriage return and line feed characters). Alternatively, you can manually remove the carriage return and line feed characters from the script files.

9. On the UNIX machine copy the appropriate JDBC drivers to the /DAC/lib directory.
10. If required, edit the config.sh or config.csh file located in the /DAC directory to point to the correct version of the Java JDK by setting the JAVA_HOME environment variable.

2.2.5 Co-locate the DAC Server With the Informatica Server

This issue applies to Releases 10.1.3.4 and 10.1.3.4.1.

When you use DAC release 10.1.3.4 and 10.1.3.4.1 in conjunction with Oracle Business Intelligence Applications, you need to ensure the DAC Server is co-located with the Informatica Server.

2.2.6 Informatica Static Parameter Files Need to Be Copied from Oracle Business Intelligence Applications Installation Folder to DAC 10.1.3.4 Folder

This issues applies to Releases 10.1.3.4 and 10.1.3.4.1.

After you install DAC 10.1.3.4, you need to copy the Informatica static parameter files named parameterfileDW.txt and parameterfileOLTP.txt from the Oracle BI Applications installation folder into the DAC 10.1.3.4 folder.

1. Navigate to the Oracle BI Applications folder
 \OracleBI\DAC\Informatica\parameters\input.
2. Copy the static parameter files named parameterfileDW.txt and parameterfileOLTP.txt into the DAC 10.1.3.4 folder
 \DAC\Informatica\parameters\input.

2.2.7 Custom SQL and Index Overrides Are Obsolete

This issues applies to Releases 10.1.3.4 and 10.1.3.4.1.

Custom SQL and Index Overrides are not supported by DAC 10.1.3.4. If you are upgrading from an Oracle Business Intelligence Applications 7.9.x release of DAC, you need to manually convert your XML definitions to actions, as described in this section.

For all tasks, this issue applies to:

- Pre-Full-Load Command
- Pre-Incremental Load Command
- Post-Full-Load Command
- Pre-Incremental Load Command

For tasks that are of type SQL File, this issue applies to:

- Load Types
 - Full Command
 - Incremental Command
- Indexes
 - Index overrides

Upgrading the Existing Task Related SQL Files

For each definition in the XML files, you should create a new action under tasks (Tools->Seed Data->Tasks). You import your xml/sql files by right-clicking on a newly created action, and choosing 'Read Action From File'.

Once you have created these actions, associate them with the tasks that use them by defining actions under the Actions tab. Choose Preceding Action, Succeeding Action, and associate the appropriate mode (Full/Incremental/Both).

Note: If you have used pre and post SQL commands to manage indexes, consider using actions for indexes.

For the 'Full Command' and 'Incremental Command' tasks, define actions on the 'Command For Full Load' and 'Command For Incremental Load' fields, using the Choose button on the field itself.

2.2.8 Installing DAC 10.1.3.4.1 On a Non-English Environment Server Without an Oracle Home

This issues applies to release 10.1.3.4.1 only

When installing DAC server onto a non-English environment upon which no Oracle products have been installed and, therefore, no Oracle Home exists, the Specify Inventory Directory dialog appears. This dialog contains instructions for creating an inventory directory; however, for some users, these instructions may be truncated. See the below paragraphs for the dialog's full text.

"You are starting your first installation on this host. As part of this install, you need to specify a directory for installer files. This is called the "inventory directory." Within the inventory directory, the installer automatically sets up subdirectories for each product to contain inventory data and will consume typically 150 Kilobytes per product.

Enter the full path of the inventory directory.

You can specify an Operation System group that has write permissions to the above directory."

2.2.9 Installer Requests Oracle Home Location

This issues applies to Releases 10.1.3.4 and 10.1.3.4.1.

During installation, the DAC installer asks for the location of Oracle Home. Note, the installer is not asking for an existing Oracle (Database) home. Instead, the installer is asking for the location where DAC has to be installed.

Workaround

Provide an empty folder location as the Oracle Home for DAC.

2.2.10 Oracleroot.sh Error Installing DAC on Linux with Oracle Business Intelligence Enterprise Edition 11g

This issues applies to Release 10.1.3.4 only.

Before completing the installation on Linux, the DAC 10.1.3.4.1 installer prompts you to run Oracleroot.sh, which results in an error stating that there is no directory or file called bin.

Workaround

OracleRoot.sh is not required and can be ignored. You should install DAC into a location other than where you installed Oracle Business Intelligence Enterprise Edition 11g.

2.2.11 DAC Installer Does Not Provide an Informatica 9.x Option

This issues applies to Release 10.1.3.4 only.

The Informatica installation is a prerequisite for the DAC 10.1.3.4.1 installation. Prior versions of BI Applications utilizing DAC 10.1.3.4.1 used either Informatica 7.x or Informatica 8.x. Informatica version 9.0.1 is a new version of Informatica and is a prerequisite for BI Applications 7.9.6.3, but not for DAC 10.1.3.4.1. Note the following items:

- The DAC 10.1.3.4.1 installer prompted users to indicate if the Informatica version used in their deployment is version 7.x or version 8.x. There is no option for Informatica version 9.x.
- Users installing DAC 10.1.3.4.1 for use with BI Applications 7.9.6.3 are recommended to choose Informatica version 8.x when prompted even though the actual Informatica version deployed for use in BI Applications 7.9.6.3 is Informatica version 9.x.

2.2.12 Oracle Universal Installer Cannot Remove DAC

This issues applies to Release 10.1.3.4 only.

The Oracle Universal Installer cannot remove DAC 10.1.3.4. To remove DAC manually, follow the steps in the workaround below.

Workaround

Use the following procedures to remove DAC manually.

On all platforms:

- Delete the entire ORACLE_HOME directory location where DAC is installed.
This is the location that is specified during the installation location of DAC.

On a Windows platform, perform the following additional steps:

1. Locate the installed DAC Oracle Home Name ID, as follows:
 - a. Start the Windows registry editor 'regedit'.
 - b. Go to "HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE".
 - c. In "HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE", locate the registry key name beginning with "KEY_" that has the ORACLE_HOME value set to the installed DAC location.

- d. Make a note of the value of ORACLE_HOME_NAME, which is the Oracle Home Name ID.

In the remaining steps of this task, the Oracle Home Name ID will be referred to as \${ORACLE_HOME_NAME}.

2. Delete the registry key "HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\KEY_\${ORACLE_HOME_NAME}".
3. Delete the registry key "HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBCINST.INI\Oracle Merant ODBC Driver in DAC 10g_Oracle - \${ORACLE_HOME_NAME}".
4. Delete the registry value "Oracle Merant ODBC Driver in DAC 10g_Oracle - \${ORACLE_HOME_NAME}" in "HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBCINST.INI\ODBC Drivers Oracle Merant ODBC Driver in DAC 10g_Oracle - \${ORACLE_HOME_NAME}".
5. In Windows Explorer, navigate to the folder "C:\Documents and Settings\All Users\Start Menu\Programs\\${ORACLE_HOME_NAME}-Oracle Business Intelligence".
6. If the \Programs\\${ORACLE_HOME_NAME}-Oracle Business Intelligence folder contains one folder named "\${ORACLE_HOME_NAME}-DataWarehouse Administration Console 10g", then delete the folder "C:\Documents and Settings\All Users\Start Menu\Programs\\${ORACLE_HOME_NAME}-Oracle Business Intelligence".
7. If the \Programs\\${ORACLE_HOME_NAME}-Oracle Business Intelligence folder contains multiple folders, then delete the folder named "\${ORACLE_HOME_NAME}-DataWarehouse Administration Console 10g".

2.2.13 Deinstalling DAC 10.1.3.4.1

This issues applies to release 10.1.3.4.1 only.

DAC can be deinstalled using the deinstaller or the silent deinstall command.

Use the following procedure to deinstall DAC from Windows

1. Go to %ORACLE_HOME%\oui\bin\setup.exe -deinstall to launch the installer.
Or launch the installer by accessing the Windows Start Menu, selecting Programs, and selecting DataWarehouse Administration Console 10g Oracle – OH<#####>Uninstall.
2. Follow the information and directions presented to you on the installer dialogs.

Note: Since the DAC installer installs to ORACLE_HOME, you must select the first radio button (Deinstall Oracle Home) to properly deinstall DAC.

Use the following procedure to deinstall DAC from Linux

1. Go to \$ORACLE_HOME/oui/bin/runInstaller -deinstallll to launch the installer.
2. Follow the information and directions presented to you on the installer dialogs.

Note: Since the DAC installer installs to ORACLE_HOME, you must select the first radio button (Deinstall Oracle Home) to properly deinstall DAC.

Use the following commands to deinstall DAC using the silent deinstall command

- For Windows, enter the following command:

```
%ORACLE_HOME%\oui\bin\setup.exe -ignoreSysPrereqs -silent  
-waitforcompletion -noconsole -nowait -deinstall OH_HOME_  
DEINSTALL=true
```

- For Linux, enter the following command:

```
$ORACLE_HOME/oui/bin/runInstaller -ignoreSysPrereqs -sd OH_  
HOME_DEINSTALL=true
```

2.2.14 Platform Upgrade Users Should Accept Target for Phases Before Merge

This issues applies to Releases 10.1.3.4 and 10.1.3.4.1.

The DAC upgrade process generates a difference report highlighting conflicts and offers some default actions to resolve the conflicts. In the case of the Platform Upgrade (upgrading from DAC 7.8 to DAC 10.1.3.4), "Accept Source" is usually the default action.

However, users should explicitly choose to "Accept Target" when "Phase" is shown as different between the source and the target.

Users should choose "Accept Source" for phase differences in other kinds of upgrade scenarios like Refresh Base or Replace Base.

2.2.15 DAC Behavior for Truncating Tables When Upgrading from DAC 7.9.x to DAC 10.1.3.4.1

When upgrading from DAC 7.9.x to DAC 10.1.3.4.1, DAC does not truncate some target tables even if the Truncate Always flag is selected on the target table. This occurs when more than one DAC task writes to the target table.

The DAC behavior for truncating tables when more than one DAC task writes to the target table is as follows:

- The first DAC task truncates the target table. DAC does not truncate the target tables during the execution of the subsequent tasks even if the Truncate Always or Truncate for Full Load flags are checked on the subsequent tasks.
- DAC truncates a target table only once during the life span of one ETL execution.
- If the DAC task belongs to a group and the group truncate property is different from the individual task truncate properties, the target table will be not truncated.

You need to identify those tasks and associate a truncate table task action as a preceding action to these tasks if the truncate is truly desired.

2.2.16 DAC Client and DAC Server Machines Require Informatica domains.infa File

This issues applies to Releases 10.1.3.4 and 10.1.3.4.1.

The Informatica domains.infa file must reside on both the DAC Client and DAC Server machines. Copy this file from the machine hosting Informatica PowerCenter and paste

it into the machines hosting the DAC Client and DAC Server. When you run the DAC installer, you will be asked for the location of this file.

2.3 Documentation Corrections

This section provides release notes on DAC documentation. It contains the following topics:

- [Section 2.3.1, "Product Documentation Not Updated for DAC 10.1.3.4.1"](#)
- [Section 2.3.2, "Preview Run Details Command Renamed to Unit Test"](#)

2.3.1 Product Documentation Not Updated for DAC 10.1.3.4.1

This issue applies to release 10.1.3.4.1 only.

The DAC online help and manuals were not updated to reflect changes made to the DAC 10.1.3.4.1 installer and user interface.

There is no workaround for this issue.

2.3.2 Preview Run Details Command Renamed to Unit Test

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

The Preview Run Details button, which appeared on the toolbar in the Ordered Tasks subtab of the Execution Plans tab of the Execute view, was renamed to Unit Test.

All references in DAC documentation to Preview Run Details should be changed to Unit Test.

3 Oracle Business Intelligence Data Warehouse Administration Console: General

This section provides release notes on the functionality of the Oracle Business Intelligence Data Warehouse Administration Console. It contains the following topics:

- [Section 3.1, "Export Erases All Files in the Target Folder"](#)
- [Section 3.2, "Passwords are Un-Encrypted when DAC Interacts with Informatica"](#)
- [Section 3.3, "Cannot Authenticate User on AIX"](#)
- [Section 3.4, "Configuring DAC 10.1.3.4.1 to Prevent a User Authentication Error on AIX"](#)
- [Section 3.5, "Testing an Individual Workflow"](#)
- [Section 3.6, "Subject Area Design Rules"](#)
- [Section 3.7, "Execution Plan Build Process Rules"](#)
- [Section 3.8, "Configuring DAC to Create a Different Number of Parallel Indexes by Table"](#)
- [Section 3.9, "Setting the "Worker Pool Size" System Property Value"](#)
- [Section 3.10, "Handling Parameter File with Multi-Line Parameters"](#)
- [Section 3.11, "Restoring DAC Repository on Unicode Oracle Database"](#)
- [Section 3.12, "Importing the Data Warehouse Container Into the DAC Repository"](#)
- [Section 3.13, "Users in All Roles Can Change Their Passwords"](#)

- Section 3.14, "Prune Days Can Be Set By Source for Multi-Source ETL"
- Section 3.15, "Connecting to Teradata Version 12"
- Section 3.16, "Class Names for Teradata JDBC Driver Changed in Teradata Version 12"
- Section 3.17, "JDBC Connection "URL Override" To Handle Specific Database Connections"
- Section 3.18, "Upgrading Data Warehouse Schema When DAC is Installed on Teradata"
- Section 3.19, "DAC Parameters Can Be Specified for Full Load or Incremental Load ETLs"
- Section 3.20, "Mapping Multiple Database-Specific Informatica Workflows to the Same DAC Task"
- Section 3.21, "DAC Task Failing On Non-English Operating System"
- Section 3.22, "Option to Specify Index Space in Data Warehouse Configuration Wizard Is Obsolete"
- Section 3.23, "Connecting to the DAC Repository When Using Oracle RAC"

3.1 Export Erases All Files in the Target Folder

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

In DAC 10.1.3.4, you can work around this issue by exporting files only into a new folder or into an erasable folder containing DAC metadata.

In DAC 10.1.3.4.1, the Export behavior was modified as follows:

- If the target folder is empty, DAC exports without a warning.
- If the target folder contains DAC metadata, DAC exports after warning and when **OK** is clicked. The process replaces all content in the target folder with a new export.
- If the target folder has non-DAC metadata along with DAC Metadata, DAC exports after warning and when **OK** is clicked. The process replaces all content in the target folder with new export. All non-DAC metadata is deleted.
- If the target folder has only non-DAC metadata, DAC cannot export into that target folder.

3.2 Passwords are Un-Encrypted when DAC Interacts with Informatica

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

DAC sends the Informatica repository and server passwords un-encrypted when communicating with Informatica through `pmcmd` and `pmrep` commands.

Workaround

Use the following procedure to force password encryption.

Note: In the examples included in the following procedure, the Informatica server and Informatica Repository server use the password Administrator.

1. Open a command window and type the following command to create an encrypted Informatica password for pmcmd and pmrep

```
pmpasswd Administrator -e CRYPT_SYSTEM
```

This step will produce something similar to the following text:

```
Informatica PowerMart Encryption Utility, 32-bit  
Copyright (c) Informatica Corporation 1996-2008  
All Rights Reserved
```

```
Encrypted string  
->dMGpMvpsuQwXD5UvRmq0OZxhppTWK0Y7fzBtxHL04Gg=<-  
Will decrypt to ->Administrator<-
```

2. Create a new Environment Variable with the following properties.

Name- INFA_PASSWORD (Or any name that you choose.)

Value- dMGpMvpsuQwXD5UvRmq0OZxhppTWK0Y7fzBtxHL04Gg=

Note: The value should be exactly as shown in the encrypted message in the Command window (the value between --> and <--).

3. Modify the file DAC\conf\infa_command.xml by replacing all occurrences of <p> with <-pv> and <-x> with <-X>.
4. Stop the DAC server.
5. Log into the DAC client and navigate to the Setup menu and choose the Informatica Servers tab.
6. Highlight the Informatica Server record and enter the name of the environment variable that you created in Step 2 of this procedure as the value of Password. Save the record.
7. Repeat the previous step for the Informatica Repository Server.
8. Close and re-open the client to test the connections.
9. If the DAC server is located on the same machine, start the DAC server and run ETL.
10. Verify that DAC issues the following pmcmd command.

```
pmcmd startworkflow -sv BI_DW_Server -d <Domain> -u Administrator -pv **** -f  
<folder> -lpf <filename><workflow>  
INFORMATICS TASK:<workflow> has finished execution with Completed status.
```

11. If the DAC server is on another Windows machine, do the following:
 1. Set the environmental variable on the server machine and modify the DAC\conf\infa_command.xml.
 2. Shut down the DAC server when testing Informatica connectivity or unit testing a DAC task via the DAC client.
12. If the DAC server is on a non-Windows machine, do the following:

1. Set the environmental variable on the server machine and modify the DAC\conf\infa_command.xml.
2. Shut down the DAC server when testing Informatica connectivity or unit testing a DAC task via the DAC client.

3.3 Cannot Authenticate User on AIX

This issue applies to release 10.1.3.4. For information about preventing this issue for release 10.1.3.4.1, see [Section 3.4, "Configuring DAC 10.1.3.4.1 to Prevent a User Authentication Error on AIX"](#).

If the DAC 10.1.3.4 server is installed on Unix and customers insert or modify any user property through the user management feature on the client, the "Can't Authenticate User" error appears at the next login.

Workaround

Perform the following procedure before manipulating the user's properties.

Note: These steps are required every time user passwords are modified on DAC 10.1.3.4 when the DAC server is on AIX.

1. Shutdown the DAC server.
2. Go to the DAC Client Set Up dialog and select the System Properties tab. Change the Server OS property from AIX to Windows (or any other value).
3. Save and close the client.
4. Make and save the required user changes.
5. Save and close the client.
6. Open the client and set the Server OS property back to AIX.
7. Save and close the client.
8. Start the DAC server and DAC client and confirm that the error message does not appear.

3.4 Configuring DAC 10.1.3.4.1 to Prevent a User Authentication Error on AIX

This issue applies to release 10.1.3.4.1. For information about preventing this issue for release 10.1.3.4, see [Section 3.3, "Cannot Authenticate User on AIX"](#).

If the DAC 10.1.3.4.1 server is installed on Unix and customers insert or modify any user property through the user management feature on the client, the "Can't Authenticate User" error appears at the next login.

Workaround

To prevent this issue, you must perform the following configuration.

1. Shut down the DAC server.
2. Open the client and read the DAC repository. If the DAC repository is a prior release, click Yes when prompted to upgrade.

3. Go to the Setup menu and choose DAC System Properties. Enter the DAC server information.
4. On the AIX machine hosting the DAC server, navigate to the directory containing ServerSetupPrompt.sh.
5. Execute ServerSetupPrompt.sh.
6. Re-enter all passwords wherever they apply (for example, DAC repository and email).
7. Save your changes and start the DAC server.

3.5 Testing an Individual Workflow

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

All DAC tasks in an execution plan can be individually tested, regardless of their position in the dependency graph. Therefore, a task at depth 10 can be tested without running the execution plan. To unit test a task, go to the Execution plans tab in the Execute view, and then click the Ordered Tasks subtab. Select the task you want to unit test, and then click Unit Test in the toolbar. DAC then generates the required parameter files and issues the proper `pmcmd` command to execute the appropriate workflow.

In DAC 7.9, after a task is run using DAC, you can re-run the corresponding workflow directly from Informatica Workflow Monitor or Workflow Manager to unit test the workflow. This process is possible because DAC generates a parameter file named exactly as in the Informatica sessions. In DAC 10.1.3.4 and DAC 10.1.3.4.1, DAC generates parameter files and log files with variable names and therefore it is not possible to re-run workflows directly from Informatica.

Workaround

Always run tasks from DAC using the Unit Test command in the Execute view to unit test individual workflows. To access the Unit Test command, go to the Execution plans tab in the Execute view, and then click the Ordered Tasks subtab. Select the task you want to unit test, and then click Unit Test in the toolbar.

3.6 Subject Area Design Rules

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

DAC generates a list of relevant tasks when assembling a subject area. This process is transparent to the users. When a user specifies a fact or a set of facts as the central tables in a subject area, DAC performs the following process:

1. Examines the dimension tables associated with these facts and adds these tables to the subject area.
2. Examines the Related Tables (like aggregates) associated to these facts or dimensions and adds them into the subject area definition.
3. Examines the tasks in which the tables listed in the above two process are target tables and adds these tasks into the subject area.
4. Adds the source tables in the tasks listed in the previous step.
5. Examines the tasks in which the tables listed in the above two process are target tables and adds these tasks to the subject area.

DAC performs this process recursively until all tasks are listed. A task is listed only once, even if it is associated with several tables in the subject area. DAC then expands or trims the total number of tasks based on the configuration rules defined as configuration tags. This process can be resource intensive as DAC loads all of the objects in the container into memory before parsing.

3.7 Execution Plan Build Process Rules

This issues applies to releases 10.1.3.4 and 10.1.3.4.1.

DAC builds an execution plan (generates a task dependency graph) based on the following rules for the metadata in the design and setup views.

- The ETL Phase Priority defined in seed data.
- A task with a target table that is not a source table in any other task will be a leaf node.
- If multiple tasks write to the same target table, the task that truncates the table will have the highest priority.
- The priority of the source connection and target connections, which you define by selecting the Setup menu and choosing Physical Data Sources.
- Task Groups (the first task in the group determines the position of the group in the dependency graph).
- Phase Dependency defined at the task level.

3.8 Configuring DAC to Create a Different Number of Parallel Indexes by Table

This issues applies to release 10.1.3.4.1 only.

In the past, users could configure the number of parallel indexes that DAC created for a given connection. This property applied to all tables in that connection. It was not possible to create only one index at a time on one table and more than one index at a time on another table. In DAC 10.1.3.4.1, users can configure the number of parallel indexes in two ways: at a connection level that applies to all tables or at a table level within a connection that applies to specific tables.

At a connection level that applies to all tables – This method is set by accessing the DAC client, selecting the Setup menu, choosing Physical Data Source, then choosing Edit (Sub Tab), and specifying a value in the Number of Parallel Connections per Table field.

This value applies to all tables in this connection. For example, if the value is 2, then DAC creates two indexes in parallel on all tables.

At a table level within a connection that applies to specific tables – This method is set by accessing the DAC client, selecting the Setup menu, choosing Physical Data Source, then choosing the Parallel Indexes (Sub Tab). Enter the Name of the Table and number of indexes you want to run in parallel for that table

The value set at the table level overrides the value set at the connection level (described in the "At a connection level that applies to all tables" method, above).

For example, if a user configures DAC to create two parallel indexes on all tables in the data warehouse connection and sets DAC to create one index in parallel on W_

ORDER_F, then DAC creates two indexes at a time on all tables except W_ORDER_F, for which only one index will be created at a time.

3.9 Setting the "Worker Pool Size" System Property Value

This issue applies to release 10.1.3.4.1 only.

The Worker Pool Size property is new for DAC 10.1.3.4.1. The worker pool size is the number of worker threads that perform operations such as drop/create indexes, truncate/analyze tables, and ETL jobs like SQL and Informatica workflows.

The property's value corresponds to the number of task details that are anticipated to run in parallel. The default size is 50, which assumes that 10 tasks run in parallel and each task has five detail sub-tasks (for example, truncate, drop index, create index, analyze table) running in parallel.

It is prudent to increase this number when running more ETL tasks and/or task details in parallel. For example the Worker Pool Size can be set to 100 if the number of parallel indexes is set to two per table.

Running multiple threads can be resource intensive; therefore, you should set this value as low as possible.

3.10 Handling Parameter File with Multi-Line Parameters

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

Informatica workflows initiated by DAC fail with error code 17 and the error message "Parameter file does not exist" when the parameter file has multi-line parameters. See the below text for an example. Note that in the following example, an error occurs because DAC issues pmcmd with -lpf in the syntax.

```
$$SYND_DS_PARTITION_TRUNCATE_SQL_TEXT=SELECT
LTRIM(MAX(SYS_CONNECT_BY_PATH('execute immediate ''ALTER TABLE
getTableName() TRUNCATE PARTITION ' || ''' ||COUNTRY_REGION_NAME|| ''' ||''''
, ''')) KEEP (DENSE_RANK LAST ORDER BY curr), ''') AS SQL_TXTFROM
(SELECT SOURCE,COUNTRY_REGION_NAME,ROW_NUMBER() OVER (PARTITION BY SOURCE
ORDER BY COUNTRY_REGION_NAME) AS curr, ROW_NUMBER() OVER (PARTITION BY SOURCE
ORDER BY COUNTRY_REGION_NAME) -1 AS prev FROM W_SYND_PARTITION_TMP
WHERE SOURCE='W_SYNDD_DS_FS')
CONNECT BY prev = PRIOR curr START WITH curr = 1
```

Workaround

To prevent this issue, edit DAC\Conf\infa_command.xml and replace all instances of <-lpf> with <-paramfile>.

This workaround will ensure that DAC uses -paramfile in the pmcmd syntax and Informatica can recognize the multi-line parameters.

3.11 Restoring DAC Repository on Unicode Oracle Database

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

When the DAC repository resides on a non-unicode Oracle database, the Informatica workflow names may not fit into the corresponding DAC fields, which causes tasks to fail during ETL.

There is no work around for this issue in release 10.1.3.4. The workaround for release 10.1.3.4.1 is below.

Workaround

Note: This workaround is for release 10.1.3.4.1 only.

To work properly in multi-byte character environments, the DAC repository should be created by DAC 10.1.3.4.1 with the unicode option checked in the initial login screen.

Perform the following procedure to fix an existing DAC repository with this problem.

1. Install DAC 10.1.3.4.1.
2. Connect to the existing DAC repository with DAC 10.1.3.4.1 and upgrade the repository when prompted.
3. Export the entire repository (logical, system, and run time categories).
4. Stop the DAC server and all clients.
5. Drop the current repository and/or Create a new repository with @ unicode option.
6. Import the DAC metadata exported in step three above.
7. Re-enter the passwords for all Informatica servers (services) and all physical data source connections. To re-enter the passwords, access the DAC Client and choose the Setup view.

3.12 Importing the Data Warehouse Container Into the DAC Repository

This issues applies to release 10.1.3.4.1 only.

Most DAC repository objects are developed in the data warehouse container and referenced into other source system containers that are shipped out of the box.

Customers using DAC 10.1.3.4.1 can import the Oracle Business Intelligence Applications 7.9.6. data warehouse container.

3.13 Users in All Roles Can Change Their Passwords

This issues applies to release 10.1.3.4.1 only.

In DAC 10.1.3.4, only an administrator could change a user's password. Users had to request that their administrator change passwords, which meant that for password changes, the administrator would know all passwords.

In DAC 10.1.3.4.1, all DAC users can change their own passwords regardless of roles and without the help of their administrator.

3.14 Prune Days Can Be Set By Source for Multi-Source ETL

This issues applies to release 10.1.3.4.1 only.

In DAC 10.1.3.4, the prune date parameter was set at the execution plan level. However, in a multi-source scenario, you may want to control the prune date for different sources at different prune date ranges. Some sources may require a bigger prune date range with more remote/sync gap than others.

In DAC 10.1.3.4.1, prune dates can be set at the execution plan level for the entire plan or in the execution plan parameters for specific source connections. Dates set at the source level in the parameters override the date set at the overall execution plan level. If no dates are set at the source level in the execution plan parameters, the dates default to the execution plan level.

3.15 Connecting to Teradata Version 12

This issues applies to releases 10.1.3.4 and 10.1.3.4.1.

DAC requires Teradata JDBC Driver 13.0.0.0 to connect to Teradata version R12. Note the following URLs.

- To acquire the Teradata JDBC driver, go to the Teradata web site at

<http://www.teradata.com>

After accessing this site, go to the Teradata Download Center in the Teradata JDBC Driver section.

- To acquire the Teradata JDBC Driver User Guide Release 13.00.00, go to the Teradata - Information Products Home page at

<http://www.info.teradata.com/>

This release of the Teradata JDBC Driver is distributed as platform-independent JAR files in both ZIP (TeraJDBC__indep_indep.13.00.00.00.zip) and TAR (TeraJDBC__indep_indep.13.00.00.00.tar).

Perform the following procedure to properly set the classpath to refer to the correct JAR files.

Note: It is recommended that you deinstall any previous release of the Teradata JDBC Driver prior to downloading and installing Teradata JDBC Driver 13.0.0.0.

1. Download either the ZIP file or the TAR file and unzip (or untar) the downloaded file into a directory of your choice.
2. Copy the following files into the DAC\lib folder.
 - terajdbc4.jar
 - tdgssconfig.jar

3.16 Class Names for Teradata JDBC Driver Changed in Teradata Version 12

This issues applies to releases 10.1.3.4 and 10.1.3.4.1.

Starting in Teradata Version 12, the class names have changed for the Teradata JDBC driver. However, the names used in the previous version still work with DAC but with a warning. To avoid these warnings, modify DAC\conf\connection_template.xml when using Teradata Drivers Version 12 and above. To modify this file, open the connection_template.xml file and follow the instructions included in the file.

3.17 JDBC Connection "URL Override" To Handle Specific Database Connections

This issue applies to release 10.1.3.4.1 only.

DAC provides a mechanism for overriding the JDBC connection strings for some database types. This is done by modifying the `connection_template.xml` document. The location of this document is `DAC\conf\connection_template.xml`. Note that these changes to the `connection_template.xml` document apply to all instances of the database type.

For example, if the URL to connect to MSSQL is modified in the file `connection_template.xml`, the modifications apply to all MSSQL connections that appear in DAC (for example, source connections, target connections, and connection to the DAC Server). Note that in the case where there are multiple source connections of type MSSQL and users need to connect to each of them using a different URL, this process will not work.

DAC 10.1.3.4.1 allows users override connection strings with a different JDBC URL for every specific connection. You can configure the connections using the following methods:

- You can configure connections to different databases by using two new fields (JDBC URL Override and JDBC Driver Override) to add connection specific JDBC URLs. To access these fields, go to the Setup menu and choose Physical Data Sources tab. When entering text into these fields, you must be sure to conform to the database specifications.
- You can configure the DAC Client connection (to create or connect to the DAC repository) with user specified URLs in the DAC client login screen.
- The DAC Server can be configured using specific JDBC URLs.
 - If the DAC Server is installed on Windows, you can configure specific JDBC URLs by accessing the client and using the Server Set Up menu.
 - If the DAC Server is installed on Unix or Linux, you can configure the JDBC URLs by executing `ServerSetupPrompt.sh` and following the on screen instructions.

3.18 Upgrading Data Warehouse Schema When DAC is Installed on Teradata

This issue applies to release 10.1.3.4.1 only.

In previous DAC releases, users could not upgrade the data warehouse when it was installed on Teradata. This issue has been resolved in DAC 10.1.3.4.1.

When a user navigates to the DAC Data Warehouse Configuration Wizard for creating or upgrading the data warehouse and enters Teradata as the target, the user can now choose between creating or upgrading an existing data warehouse. After the user chooses the data warehouse upgrade option and follows the on-screen instructions, DAC generates four files, two SQL files and two log files, and puts them in the following location: `DAC\conf\sqlgen\sql\teradata`.

The four files are described below.

- **upgrade-regular.sql** – This file handles new or altered tables, new columns, and altered columns (for example, increasing size of simple data types, null to not null with default).

- **upgrade-questionable.sql** – This file handles column changes like changes in data types or primary indexes.

Note: The upgrade-questionable.sql file contains scripts that may not be dependable and may not work properly. Users should confirm with their Teradata database administrator that the script can be run successfully or, if necessary, modified to run successfully.

- **upgradedwtables_sql.log** – This file corresponds to the upgrade-regular.sql file. This file contain information about the SQL script and not about the results of executing the SQL script.
- **upgrade-issues.log** – This file corresponds to the upgrade-questionable.sql file. This LOG file contains any issues in the SQL upgrade-questionable.sql file that DAC is unsure about. This file contains information about the SQL script and not about the results of executing the SQL script.

3.19 DAC Parameters Can Be Specified for Full Load or Incremental Load ETLs

This issue applies to release 10.1.3.4.1 only.

Parameters can be registered in DAC as either Source System Parameters or Task Level Parameters.

Source System Parameters – A list of parameter names and the values applicable to each source system can be registered by accessing DAC, then Design View, and using the Source System Parameter tab.

Task Level Parameters – Parameters that apply to all tasks under a source system may be registered under the Source System Parameters. If there are parameters that are specific to particular tasks, developers can create such task specific parameters by accessing the Task tab and using the Parameters subtab. Task level parameters have priority over source system parameters. If the same parameter is registered as a source system parameter and as a task level parameter, DAC will evaluate the parameter with the task level value.

Both Source System Parameters and Task Level Parameters are enhanced in DAC 10.1.3.4.1 where customers can specify different values for the parameters for full load ETL runs and/or for incremental load ETL runs. A new field called "Load Type" has been added in the Parameters tab for specifying a value as it applies to the parameter.

For example, if you have a parameter called "SourceSystemParameter" at the source system level, you can define this parameter as shown in the following table.

Parameter	Load Type	Parameter Value
SourceSystemParameter	Full	Source_System_Parameter_Full_Value
SourceSystemParameter	Incremental	Source_System_Parameter_Incremental_Value
SourceSystemParameter	Both	Source_System_Parameter_Both_Value

During ETL runtime, DAC automatically evaluates this parameter to "Source_System_Parameter_Full_Value" if the ETL is in Full mode and to "Source_System_Parameter_Incremental_Value" if the ETL is in an incremental run.

In this example, load type "Both" is redundant, as there is a value defined for full and incremental values. If a value is undefined for Full or Incremental, then DAC picks the value defined for both.

Note that the behavior is the same for parameters at the task level.

3.20 Mapping Multiple Database-Specific Informatica Workflows to the Same DAC Task

This issue applies to Patch 1 in release 10.1.3.4.1 only.

This section includes instructions for mapping multiple, database-specific Informatica workflows to the same DAC task. This is accomplished by parameterizing the Informatica workflow command. At runtime, DAC determines which workflow to run based on the parameterization.

Follow the instructions below to map multiple, database-specific workflows to the same DAC task. These instructions use `SIL_PersonDimension_Full` as an example of a full command and `SIL_PersonDimension` as an example of an incremental command on an Oracle database and `SIL_PersonDimension_Full_TD` and `SIL_PersonDimension_TD` as full and incremental commands, respectively, on a Teradata database.

1. In the DAC Design view, go to the Tasks tab.
2. Query for the task to which you want add multiple workflows.
3. Select the task, and then click the Parameters subtab.
4. Create a new parameter for a full load command:
 - a. Click New in the subtab toolbar.
 - b. In the Name field, enter `$$workflow_CMD_PARAMETER`.
 - c. In the Data Type field, select DB Specific Text.
 - d. In the Load Type field, select Full.
 - e. Click in the Value field to open the Enter Parameter Value dialog box.
 - f. In the Connection Type field, select `@DAC_TARGET_DBTYPE`.
 - g. In the appropriate database fields, enter the full command name for both database types.

For example, enter `SIL_PersonDimension_Full` in the Oracle field and `SIL_PersonDimension_Full_TD` in the Teradata field.

5. Create a new parameter for an incremental load command:
 - a. Click New in the subtab toolbar.
 - b. In the Name field, enter `$$workflow_CMD_PARAMETER`.
 - c. In the Data Type field, select DB Specific Text.
 - d. In the Load Type field, select Incremental.
 - e. Click in the Value field to open the Enter Parameter Value dialog box.

- f. In the Connection Type field, select @DAC_TARGET_DBTYPE.
- g. In the appropriate database fields, enter the incremental command name for both database types.

For example, enter SIL_PersonDimension in the Oracle field and SIL_PersonDimension_TD in the Teradata field.

- 6. With the same task selected, click the Edit subtab.
- 7. In the Command for Incremental Load field, enter @DAC_\$\$workflow_CMD_PARAMETER.
- 8. In the Command for Full Load field, enter @DAC_\$\$workflow_CMD_PARAMETER.
- 9. Click Save.

3.21 DAC Task Failing On Non-English Operating System

This issue applies to DAC 10.1.3.4.1 and Informatica PowerCenter 8.6.1, HotFix3.

DAC Server uses pmcmd to initiate the workflows on Informatica Server. In the English-based operating systems, DAC issues the commands in the non-blocking mode (asynchronously), and polls Informatica for the status of the workflow. The output of the pmcmd getWorkFlowDetails is spooled to the DAC\log directory, and then gets parsed to determine whether the workflow is still running, completed successfully, or failed.

However, for non-English based operating systems DAC issues commands in the waiting mode (synchronously). This means that when the process completes the exit code tells DAC whether the workflow succeeded or not.

Workaround

The commands used by DAC to communicate with Informatica are externalized in a file called infa_commands.xml.

The DAC 10.13.4.1 command template does not have a place holder for specifying the wait mode. Without this wait mode configuration, on non-English OS based installation, this results in DAC proceeding with the execution even before the workflow completes executing. This might result in errors, such as Informatica's bulk loader failing because of index presence or fact tables getting loaded without foreign key references.

To fix the problem, go to DAC\conf folder and edit the file called infa_commands.xml. Depending upon the version of informatica you are using, edit either the block called START_WORKFLOW_7 or START_WORKFLOW_8 and verify whether %WAITMODE is in the syntax. If it is not, add it as follows:

- 1. For START_WORKFLOW_7 replace the following line:

```
pmcmd startworkflow -u %USER -p %PASSWORD -s %SERVER:%PORT -f %FOLDER -lpf
%PARAMFILE %WORKFLOW
```

With:

```
pmcmd startworkflow -u %USER -p %PASSWORD %WAITMODE -s %SERVER:%PORT -f
%FOLDER -lpf %PARAMFILE %WORKFLOW
```

- 2. For START_WORKFLOW_8 replace the following line:

```
pmcmd startworkflow -sv %SERVER -d %DOMAIN -u %USER -p %PASSWORD -f %FOLDER
-lpf %PARAMFILE %WORKFLOW
```

With:

```
pmcmd startworkflow -sv %SERVER -d %DOMAIN -u %USER -p %PASSWORD %WAITMODE -f
%FOLDER -lpf %PARAMFILE %WORKFLOW
```

3. Once you modify this file (the modifications should be done both on the DAC client and the server machines), restart the DAC server and client for the changes to take effect.

3.22 Option to Specify Index Space in Data Warehouse Configuration Wizard Is Obsolete

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

The option to specify an index space when creating data warehouse tables using the Data Warehouse Configuration Wizard is obsolete.

In release 10.1.3.4 and higher, the Physical Data Sources tab in the Setup view has a Default Index Space property that enables you to specify an index space for all indexes in the data warehouse. You can also specify an index space by table type in the Index Spaces subtab of the Physical Data Sources tab. An index space specified by table type overrides the Default Index Space property in the Physical Data Sources tab.

3.23 Connecting to the DAC Repository When Using Oracle RAC

This issue applies to releases 10.1.3.4 and 10.1.3.4.1.

When the DAC repository is on an Oracle database that uses Oracle Real Application Cluster (RAC), the standard URL for configuring the connections between the DAC Client and the DAC repository and the DAC Server and the DAC repository does not work. (The standard URL is `jdbc:oracle:thin:@<HOST>:1521:<SID>`.)

Workaround

The workaround for this issue is to use the following URL when configuring these connections:

```
jdbc:oracle:thin:@(DESCRIPTION=(LOAD_BALANCE=on)
(ADDRESS=(PROTOCOL=TCP)(HOST=<host1>)(PORT=<port1>))
(ADDRESS=(PROTOCOL=TCP)(HOST=<host2>)(PORT=<port2>))
(CONNECT_DATA=(SERVICE_NAME=<service name>)))
...
```

Enter this URL in the "DB URL" field, which appears in the following locations:

- Configuring... dialog. This dialog is used to configure the connection between the DAC Client and the DAC repository.
- Repository Connection Information tab in the Server Configuration dialog. This dialog is used to configure the connection between the DAC Server and the DAC Client.

4 Documentation Accessibility

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Oracle Business Intelligence Data Warehouse Administration Console Release Notes, Version 10.1.3.4.1
E12655-08

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