Backing Up and Restoring Analysis Center Databases

Technical Reference

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This technical reference describes how to back up and restore databases from Analysis Center version 2.6 to Analysis Center version 2.7.

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Backing Up Databases

The following section describes the steps for backing up the Analysis Center version 2.6 Data Warehouse and Data Mart databases before you use the Data Migration Utility to migrate data. For more information about migrating data, see the *Migrating Data from Analysis Center version 2.6 to 2.7 Technical Reference.*You must belong to the System Administrators group for the SQL Server to back up the databases. You can use either a domain or local administrator account.

Before backing up the Analysis Center version 2.6 Data Warehouse:

1. Ensure that there are no pending Data Sources by right-clicking each pending Data Source in the Analysis Center Console, and selecting either **Create** or **Remove**.
2. After the ETL and OLAP Processing jobs that are running for each Data Source are complete, disable the Data Sources with the Analysis Center Console.
3. Close all Analysis Center Consoles.

You need to back up the following Analysis Center databases:

- AC_Warehouse database on the Data Warehouse
- AC_Configuration database on the Data Warehouse
- All Data Mart databases

To back up Analysis Center version 2.6 databases and install Analysis Center version 2.7:

1. Start **SQL Server Enterprise Manager.**
2. Connect to the Data Warehouse SQL Server and disable the OLAP Processing job.
3. Connect to the Data Mart SQL Server and disable the ETL Processing jobs for the Data Source.
4. Back up the databases by completing the following steps on the AC_Warehouse, AC_Configuration, and each Data Mart database:
   a. Expand the computer with the database.
   b. Right-click and select **All Tasks > Backup Database**.
   c. On the General tab, click **Add** and then specify the **File name** by clicking **[...]** in the **Select Backup Destination** dialog box.
   d. Click **OK**.

Installing Analysis Center 2.7

Before you can restore the Analysis Center version 2.6 databases onto Analysis Center version 2.7 Data Warehouse and Data Marts, ensure that you verify the collation order of the SQL Servers, and then install Analysis Center version 2.7.

To verify the collation order for the SQL Server and install Analysis Center version 2.7:

1. Start **SQL Server Management Studio**, and expand the Microsoft SQL Servers folder.
2. Select the SQL Server computer where you have restored the Analysis Center databases.
3. Right-click and select **Properties**.
4. Verify that the Server collation for this SQL Server computer is the same as the computer from where you have backed up the Analysis Center databases. If the collation order is not the same, you should select another SQL Server computer as the new Analysis Center database location, or re-install SQL Server on the selected computer, and set the collation order to be the same as the collation order of the SQL Server where the database is currently restored.

Note

The default collation order is based on the operating system locale setting for the computer. If you are backing up the Analysis Center databases from a computer with one locale setting, such as English (United States), to a computer with a different locale setting, such as English (South Africa), you cannot use the default collation order when you install SQL Server on the computer where you are restoring the Analysis Center databases.

5. Repeat Step 1 to verify the collation order on the SQL Server computer where you want to install Analysis Center version 2.7.
6. Install Analysis Center version 2.7 on the *new* Data Warehouse computer using the same installation parameters as was used for the 2.6 version of the Data Warehouse computer. You can specify new locations for the Analysis Center components. For more information about installing Analysis Center version 2.7, see the *User Guide for Analysis Center.*
7. After the first successful completion of the OLAP Processing job, disable the job on the Analysis Center version 2.7 Data Warehouse computer.

Restoring Databases

After you install Analysis Center version 2.7, restore the backed up Analysis Center version 2.6 databases on the *new* SQL Server computer. You must belong to the System Administrators group for the SQL Server to restore the databases. You can use either a domain or local administrator account. Consider backing up the Analysis Center version 2.7 AC_Configuration and AC_Warehouse SQL databases before restoring the Analysis Center version 2.6 databases.

Note
The newly installed SQL Server must have the same collation/sort order as defined in the source databases that you want to restore.

To restore the backed up Analysis Center version 2.6 databases:

1. Start **SQL Server Management Studio** and connect to the SQL Server.
2. Expand the computer where the AC_Warehouse and AC_Configuration databases are located.
3. Right-click and select **Tasks** > **Restore** > **Database**.
4. Under **Destination for restore**, enter the database name.
5. Under **Source for restore**, select the **From device** option and click **[...]**.
6. In the **Specify Backup** dialog box:
   - Select **File** in the **Backup media** list.
   - Click **Add** to browse for the file where you saved the database backup.
7. Click **OK**.
8. Select **Restore** under **Select the backup sets to restore.**
9. Click **Options** under **Select a page pane**.
10. Select **Overwrite the existing database** under **Restore options**, and retain the default option under **Recovery state** to restore:
    - Analysis Center version 2.6 AC_Configuration database to Analysis Center version 2.7 AC_Configuration database.
    - Analysis Center version 2.6 AC_Warehouse database to Analysis Center version 2.7 AC_Warehouse database.
11. Repeat Steps 1 through 10 to restore the Data Mart databases.
12. Run the Data Migration Utility. For more information about migrating data, see the *Migrating Data from Analysis Center version 2.6 to 2.7 Technical Reference*.
13. After the first successful completion of the ETL Processing jobs, enable the OLAP Processing job.