Migrating a Repository to Another Database
Abstract
You can migrate the domain configuration repository, PowerCenter repository, Metadata Manager repository, or Data Analyzer repository to another supported database.

Supported Versions
- PowerCenter Advanced Edition 8.x
- PowerCenter Advanced Edition 9.0
- PowerCenter Advanced Edition 9.0.1

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Overview
You can migrate the following repositories to another supported database:
- Domain configuration repository
- PowerCenter repository
- Metadata Manager repository
- Data Analyzer repository
You may need to migrate the repositories for the following reasons:
- Your company requires all departments to migrate to a new database type.
- An Informatica version that you upgrade to does not support the database type or version that you use.
  Migrate the repositories in the existing Informatica instance before you upgrade.

Supported Databases
You can migrate the repositories to any supported database. To minimize the need to migrate in a future release, migrate to the latest supported version of a database.

Before you upgrade to Informatica version 9.0.1, you must migrate repositories that are in a Sybase ASE database to one of the following supported database types:
- IBM DB2 UDB
- Microsoft SQL Server
- Oracle
When you migrate a repository to a new version of a database, verify that the database client software installed on Informatica nodes is fully compatible with the database version.
Migrating the Domain Configuration Repository to Another Database

1. Shut down all application services in the domain.
2. Shut down the domain.
3. Back up the domain.

   Run the infasetup BackupDomain command to back up the domain configuration to a binary file. By default, infasetup installs in the server directory.

   Use the following syntax:
   
   ```
   infasetup.(bat | sh) BackupDomain -da <database_hostname:database_port> -du 
   <database_user_name> -dp <database_password> -dt <database_type> -ds 
   <database_service_name> -bf <backup_file_name> -dn <domain_name>
   ```

4. Create a database schema and a user account in a supported database.
5. Restore the domain configuration backup to the database schema.

   Run the infasetup RestoreDomain command to restore the domain configuration in the backup file to the specified database schema.

   Use the following syntax:
   
   ```
   infasetup.(bat | sh) RestoreDomain -da <database_hostname:database_port> -du 
   <database_user_name> -dp <database_password> -dt <database_type> -ds 
   <database_service_name> -bf <backup_file_name>
   ```

6. Update the database connection information for each gateway node.

   Gateway nodes must have a connection to the domain configuration database to retrieve and update domain configuration. Run the infasetup UpdateGatewayNode command on each gateway node to update the database connection information for each gateway node.

   Use the following syntax:
   
   ```
   infasetup.(bat | sh) UpdateGatewayNode -da <database_hostname:database_port> -du 
   <database_user_name> -dp <database_password> -dt <database_type> -ds 
   <database_service_name> -dn <domain_name>
   ```

7. Start all nodes in the domain.
8. Enable all application services in the domain.

Migrating the PowerCenter Repository to Another Database

1. Back up the repository contents.
   - On 8.x, select the PowerCenter Repository Service in the Administration Console, and then select Actions > Backup Contents.
   - On 9.0 or 9.0.1, select the PowerCenter Repository Service in the Administrator tool, and then select Actions > Repository Contents > Back Up.
2. Disable the service.
3. Create a database schema and a user account in a supported database.
4. Update the database connection properties for the PowerCenter Repository Service, such as the database type, connect string, database user name, and database password.
5. Enable the service in exclusive mode.
6. Restore the repository backup to the database schema.
   - On 8.x, select the PowerCenter Repository Service in the Administration Console that manages the content that you want to restore, and then select **Actions > Restore Contents**.
   - On 9.0 or 9.0.1, select the PowerCenter Repository Service in the Administrator tool that manages the content that you want to restore, and then select **Actions > Repository Contents > Restore**.

7. Change the operating mode of the service to normal and restart the service.
   
   **Note**: When you restore multiple repositories in a repository domain, register the local repositories with the global repository after you restore the repositories.

### Migrating the Metadata Manager Repository to Another Database

Complete these steps for Metadata Manager 8.5.x, 8.6.x, 9.0, and 9.0.1.

If you are on Metadata Manager 8.1.1 and need to migrate the Metadata Manager repository to another database on 8.1.1, see the *Metadata Manager 8.1.1 Administrator Guide*. If you are on Metadata Manager 8.1.1 and need to migrate the Metadata Manager repository before you upgrade, you must upgrade to PowerCenter 8.6.1, migrate the repository on 8.6.1, and then upgrade to Informatica PowerCenter 9.0.1.

1. Back up the Metadata Manager repository using the backupCmdLine Backup command.
   
   - On 8.5.x or 8.6.x, backupCmdLine is in the following directory:
     
     ```
     <Installation directory>\server\MM_Utilities\mmBackupUtil
     ```
   
   - On 9.0 or 9.0.1, backupCmdLine is in the following directory:
     
     ```
     <Installation directory>\services\MetadataManagerService\utilities\mmBackupUtil
     ```

   To back up the Metadata Manager repository, use the following syntax:

   ```
   backupCmdLine.(bat | sh) Backup <DBTYPE> "<JDBCConnectionString>" <DBUSERNAME> <DBPASSWORD> <FILENAME.bkp>
   ```

2. Disable the Metadata Manager Service.

3. Create a database schema and a user account in a supported database.

4. Update the database connection properties for the Metadata Manager Service, such as the database type, connect string, database user name, and database password.

5. Restore the Metadata Manager repository to the database schema using the backupCmdLine Restore command.

   To restore the Metadata Manager repository, use the following syntax:

   ```
   backupCmdLine.(bat | sh) Restore <DBTYPE> "<JDBCConnectionString>" <DBUSERNAME> <DBPASSWORD> <FILENAME.bkp>
   ```

   Back up and restore the Metadata Manager repository using the same Informatica version. You cannot restore a backup file from a different version.

6. Enable the service.

### Migrating the Data Analyzer Repository to Another Database

Complete these steps for Data Analyzer 8.5.x, 8.6.x, 9.0, and 9.0.1.

If you are on Data Analyzer 8.1.1 and need to migrate the Data Analyzer repository to another database on 8.1.1, see the *Data Analyzer 8.1.1 Administrator Guide*. If you are on Data Analyzer 8.1.1 and need to migrate the Data Analyzer
repository before you upgrade, you must upgrade to PowerCenter 8.6.1, migrate the repository on 8.6.1, and then upgrade to Informatica PowerCenter 9.0.1.

1. Back up the repository contents.
   - On 8.5.x or 8.6.x, select the Reporting Service in the Administration Console, and then select Actions > Backup Contents.
   - On 9.0 or 9.0.1, select the Reporting Service in the Administrator tool, and then select Actions > Repository Contents > Back Up.

2. Disable the service.

3. Create a database schema and a user account in a supported database.

4. Update the database connection properties for the Reporting Service, such as the database type, connect string, database user name, and database password.

5. Restore the repository backup to the database schema.
   - On 8.5.x or 8.6.x, select the Reporting Service in the Administration Console that manages the content that you want to restore, and then select Actions > Restore Contents.
   - On 9.0 or 9.0.1, select the Reporting Service in the Administrator tool that manages the content that you want to restore, and then select Actions > Repository Contents > Restore.

6. Enable the service.

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