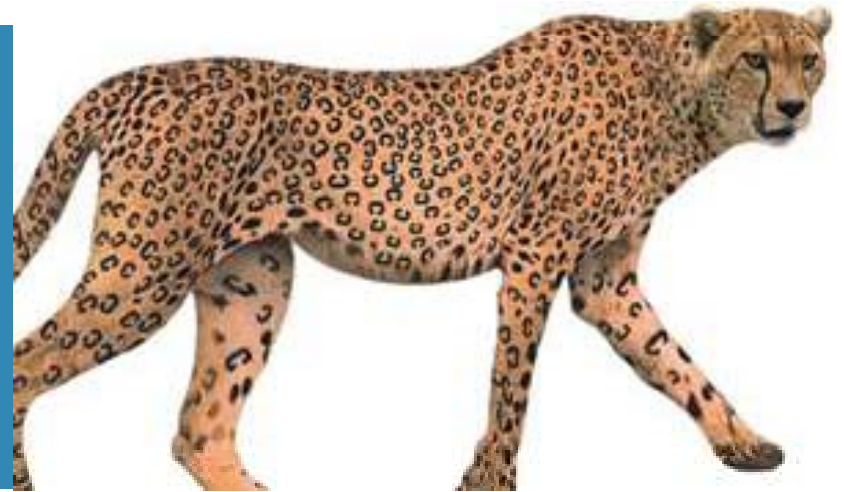


Informatica 9x : Repository Service



Session 3: Repository Service

About the Author

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Icons Used



Questions



Tools



**Hands on
Exercise**



**Coding
Standards**



**Test Your
Understanding**



Reference



Try it Out



**A Welcome
Break**



Contacts

Repository Service : Overview

- **Introduction:**

This module gives a brief overview about Repository Service

Repository Service : Objective

▪ **Objective:**

After completing this chapter, you will be able to

- » Understand a Repository
- » Understand a Repository Service
- » Create Repository Service and Repository content
- » Administer/Backup/Delete/Restore a Repository

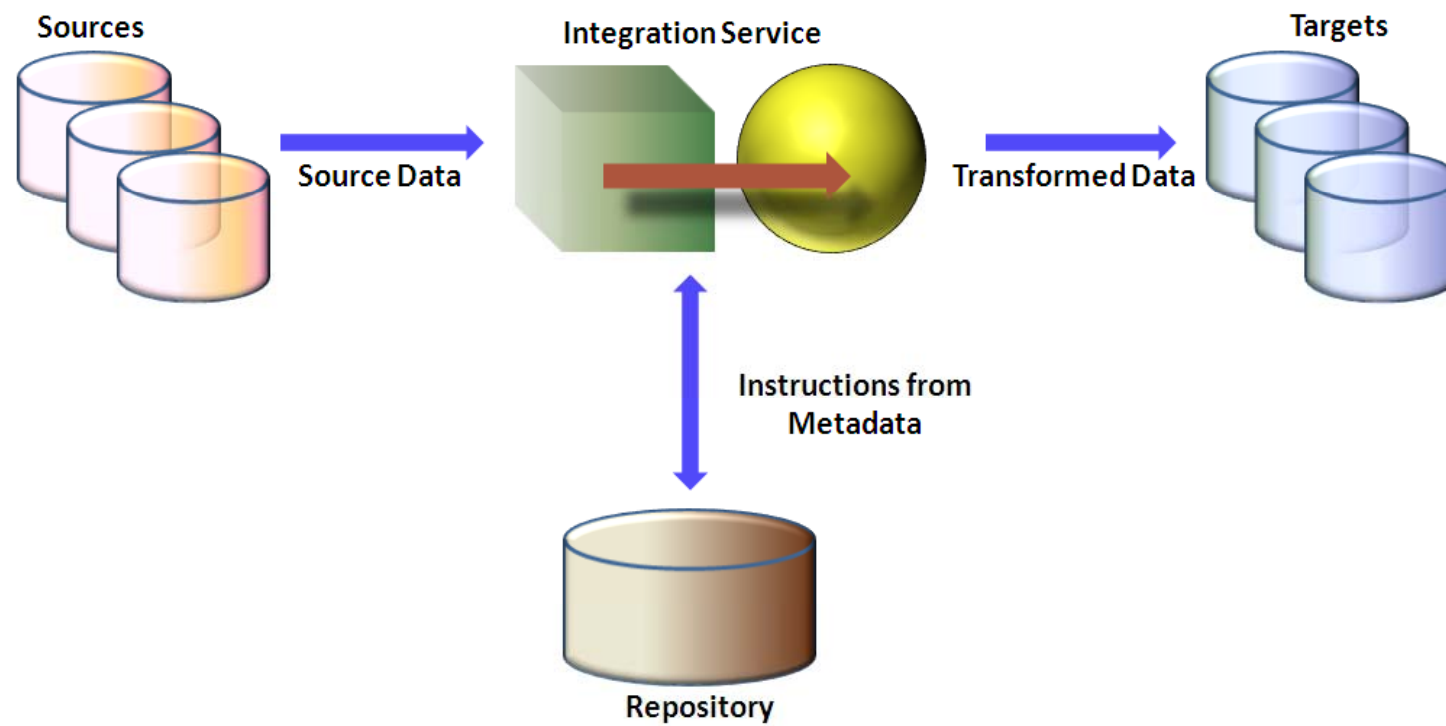
PowerCenter Repository

- A relational database managed by a unique Repository Service
- Consists of database tables that store metadata
- Metadata describes different types of objects like mappings and transformations which can be created or modified using the PowerCenter Client tools
- The Integration Service uses repository objects to Extract, Transform, and Load data
- Stores administrative information like user names, passwords, permissions, and privileges

Repository Service

- Manages connections to the PowerCenter Repository from Client Applications
- Separate, multi-threaded process that retrieves, inserts, and updates metadata in the repository database tables
- Accepts connection requests from PowerCenter applications
- Created in Administration Console
- Each Repository Service manages a single repository

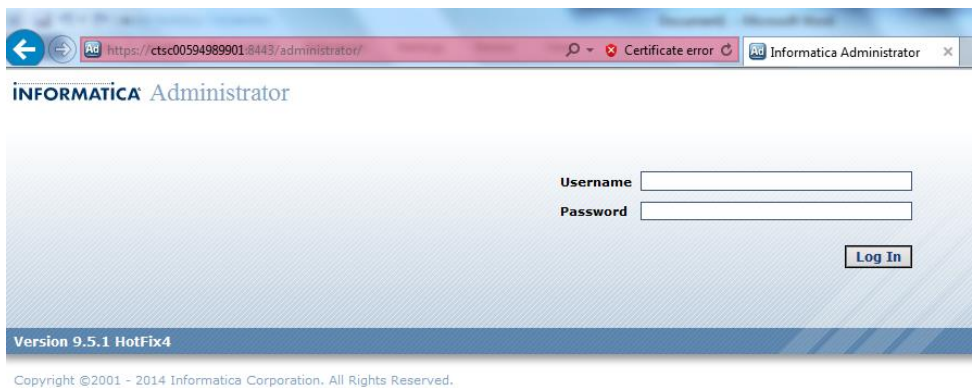
Informatica Architecture



Repository Service Administration Console

- Browser based administration tool used to administer the PowerCenter domain
- Can be accessed with the domain user login
- Used to perform administrative tasks such as managing logs, user accounts, and domain objects
- Domain objects include services, nodes, grids, folders, and licenses

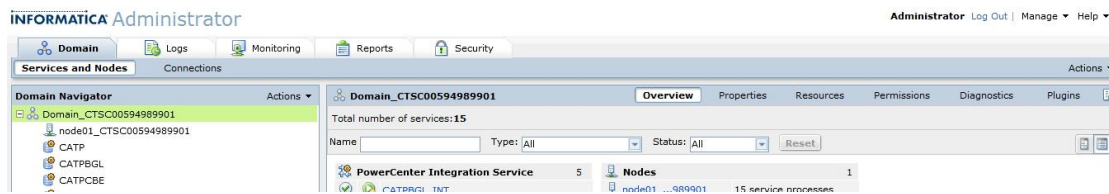
Logging In



- » Open Microsoft Internet Explorer or Mozilla Firefox
- » In the Address field, enter the following URL for the Administration Console login page
`http://<host>:<port>/admin console`
- » Enter the domain user name and password
- » Click Login

Administration Console Tabs

- The Administration Console has the following tabs



- » Domain
- » Logs
- » Administration
- » Upgrade
- » Manage Account

Creating a Repository Service

New PowerCenter Repository Service - Step 1 of 2

Specify the properties for this new PowerCenter Repository Service.

Name *

Description

Location *

License

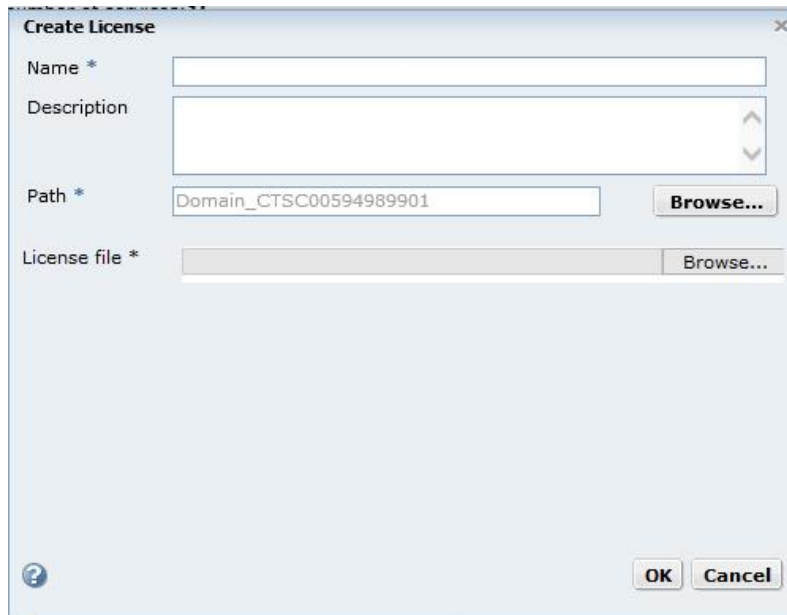
Primary Node *

Backup Nodes

- » In the Navigator of the Administration Console, select the folder where you want to create the Repository Service.
- » Click Create > Repository Service.
- » Enter values for the Repository Service options.
- » Click OK.

Licensing

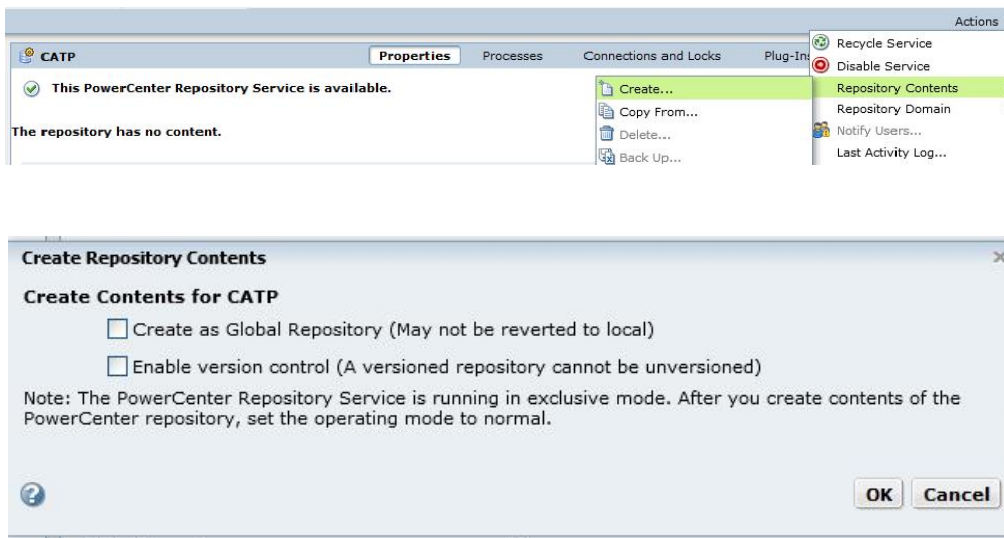
- A PowerCenter license enables you to perform the following tasks
 - » Run application services
 - » Use PowerCenter features
- The Create License window appears



The screenshot shows a 'Create License' dialog box with the following fields and controls:

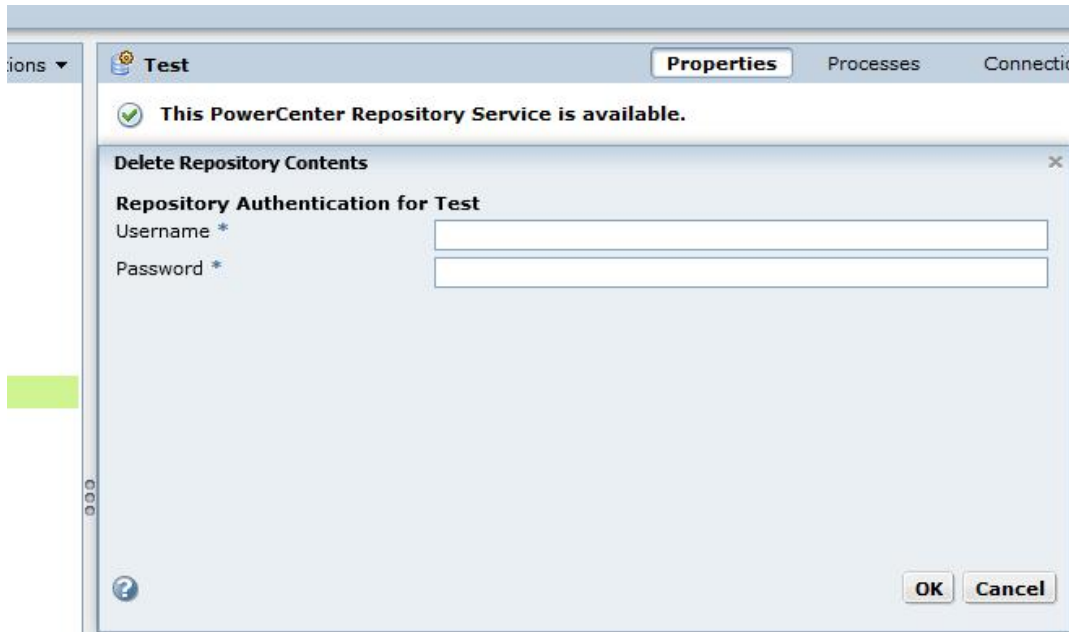
- Name ***: A text input field.
- Description**: A text area with a vertical scrollbar.
- Path ***: A text input field containing 'Domain_CTSC00594989901' and a 'Browse...' button.
- License file ***: A text input field and a 'Browse...' button.
- Buttons**: 'OK' and 'Cancel' buttons at the bottom right.
- Help**: A question mark icon at the bottom left.

Creating Repository Content



- » In the Navigator, select a Repository Service that has no content associated with it
- » In the Actions list, select Create Contents
- » Optionally, choose to create a global repository
- » Optionally, enable version control
- » Click OK

Deleting Repository Content



- » In the Navigator, select the repository from which you want to delete the content
- » Change the operating mode of the Repository Service to exclusive
- » In the Actions list, select Delete Contents
- » Enter a repository user name and password
- » If the repository is a global repository, choose to unregister local repositories when you delete the content
- » Click OK

Backing Up the Repository

- When you back up a repository, the Repository Service stores the file in the backup location you specify for the node

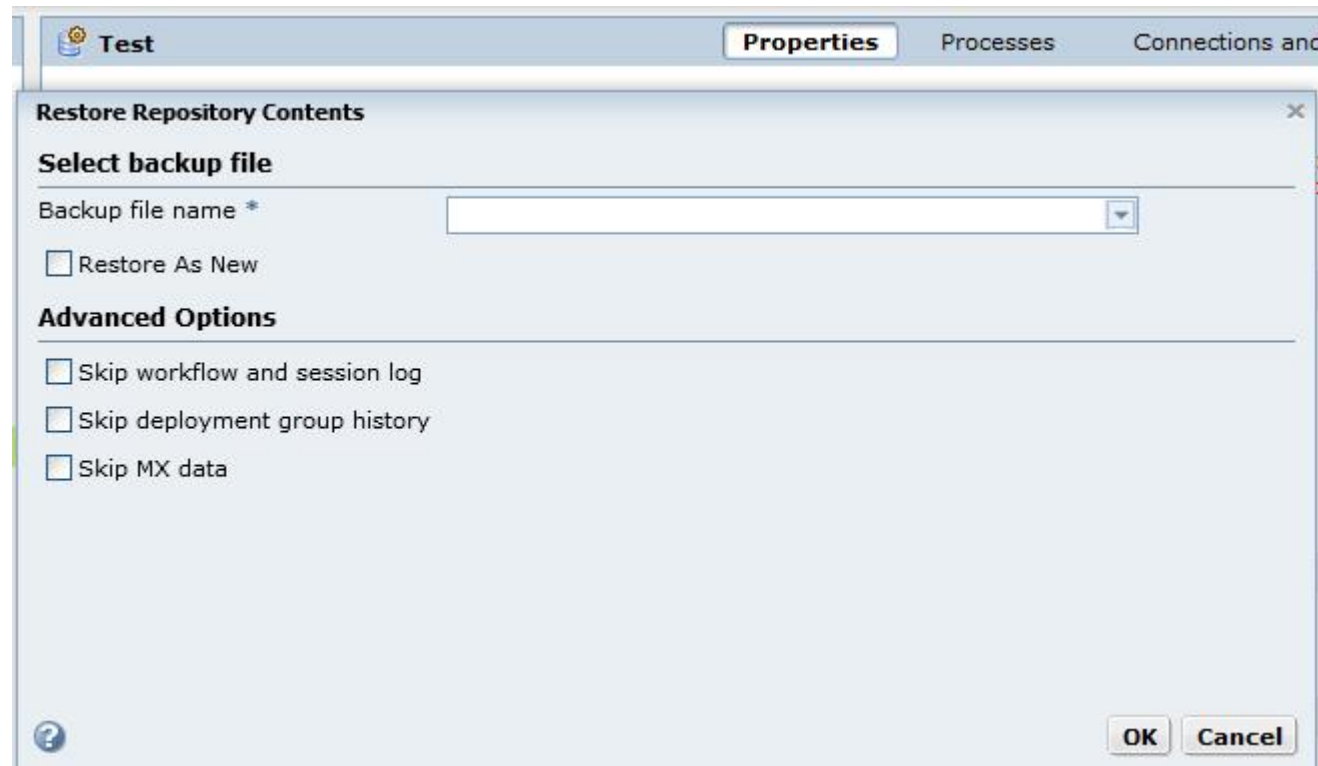
The screenshot shows a software interface with a tabbed window. The active tab is 'Test'. Below the tabs, there are three buttons: 'Properties', 'Processes', and 'Connections and...'. A dialog box titled 'Back Up Repository Contents' is open. It contains the following sections:

- Repository Authentication For Test**
 - Username * (text input field)
 - Password * (password input field)
- Specify Backup File**
 - Filename * (text input field)
 - Description (text area)
- ☐ Replace existing file
- Advanced Options**
 - ☐ Skip workflow and session log
 - ☐ Skip deployment group history
 - ☐ Skip MX data

At the bottom right of the dialog box are 'OK' and 'Cancel' buttons. A help icon (?) is at the bottom left. The background shows a 'Table Space Name' field.

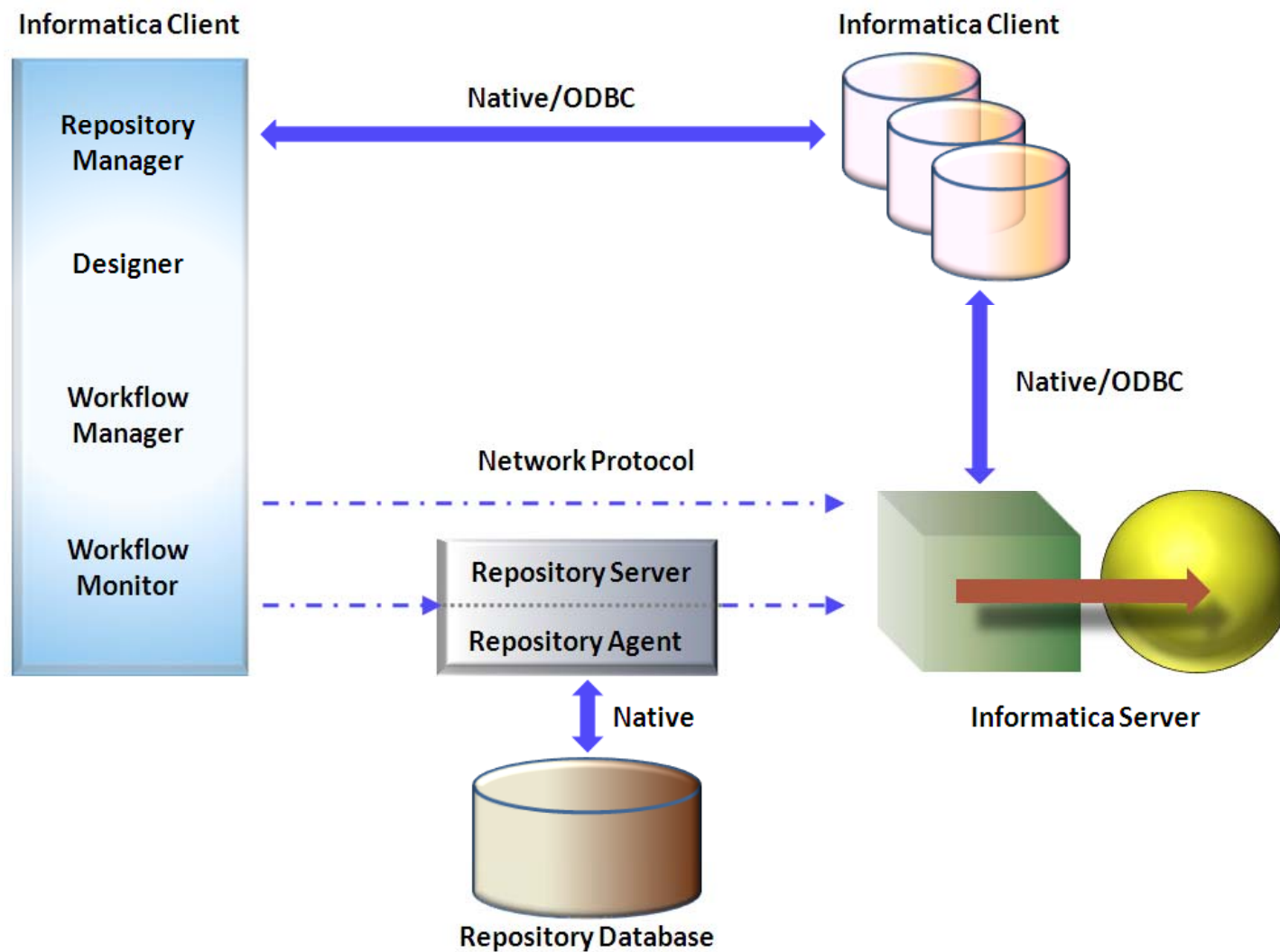
Restoring a Repository

- You can restore metadata from a repository binary backup file. When you restore a repository, you must have a database available for the repository
- If a repository exists at the target database location, you must delete it before you restore a repository backup file



The screenshot shows a software interface with a 'Test' tab and sub-tabs for 'Properties', 'Processes', and 'Connections and...'. A dialog box titled 'Restore Repository Contents' is open. It has a 'Select backup file' section with a text field for 'Backup file name *' and a dropdown arrow. Below this is a checkbox for 'Restore As New'. The 'Advanced Options' section contains three checkboxes: 'Skip workflow and session log', 'Skip deployment group history', and 'Skip MX data'. At the bottom right of the dialog are 'OK' and 'Cancel' buttons. A help icon (?) is at the bottom left.

Connectivity Overview



Questions?



Test Your Understanding

1. What manages the connections to the PowerCenter Repository from Client Applications?
2. Where is a Repository Service created?
3. Where are the Informatica objects and the passwords & privileges are saved?
4. Repository is a _____ database.
5. How many Repository Services a Repository can have?

Repository Service : Summary

- Repository is a relational database with unique Repository Server
- Repository Service is a separate, multi-threaded process that retrieves, inserts, and updates metadata in the repository database tables
- We can Create/Administer/Backup/Delete/Restore a Repository

Repository Service : Source

- The PDF manuals comes with Informatica Software.
- www.informatica.com

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You have completed
the Session
“Repository Service”
of Informatica 9x

