Informatica Dynamic Deployment Group

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Introduction

Definition

• A Deployment Group is a versioning object that allows you to group versioned objects for deployment to a different repository.
• A deployment group is a global object that consists of versioned objects from one or more folders.
• Deployment group to copy the versioned objects to another folder or repository.
Introduction

Use of Deployment Group:

- You can use a deployment group when you want to copy some, but not all, of the objects in a folder.
- You can also use a deployment group to copy objects from multiple folders.
- Deployment group can be used to deploy objects when you move from test to production or to some other higher versioned repository.
- Note: Both source and target repositories should be versioned to use deployment group object.
Types of Deployment Groups

- **Static**: Static deployment is used in the scenarios where objects are not expected to change. Objects are added manually to the deployment group object.

- **Dynamic**: Dynamic deployment group is used where object change too often. A query is used in this case which can dynamically be associated with the latest version of the objects.
Steps For Using Dynamic Deployment Groups

For deployment of Informatica code to one repository to another repository using dynamic deployment group go by following steps in order:

1. Create Dynamic Deployment Group
2. Create Label
3. Assign Objects to Label
4. Create Query using Label
5. Assign Query to Deployment Group
6. Copy Deployment Group to Target Repository
Steps For Using Dynamic Deployment Groups

Deployment group can be created using following steps:

1. In the Repository Manager, click Versioning > Deployment > Groups to view the existing deployment groups in the Deployment Group Browser.
2. Click New to create deployment group in the Deployment Group Editor.
3. Select name and a static or dynamic deployment group.
4. While creating a dynamic deployment group, click Queries to select a query from the Query Browser, and then click close to return to the Deployment Group Editor.
5. Click Ok

Note: Query selected here can be changed in the later stage of the project. This means deployment group created once for a project can be used again in the next releases of the project.
Steps For Using Dynamic Deployment Groups

CREATE LABEL:

- Click Versioning > Labels
- To create/edit label manage label privilege is required.
Steps For Using Dynamic Deployment Groups

**LABEL OBJECTS:**

- Click Versioning > Apply Label
- Select the object you want to label. For example start with workflow.
- Check move label. This moves the label from a previous version of the object to the latest version of the object.
- Check Primary/Foreign Key Dependencies: Applies the label to the source object containing the primary key referenced by the foreign key in the selected source object.
- Checking Global Shortcut Dependencies applies the label to global shortcut objects
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LABEL OBJECTS Step 1.

Apply Label Wizard - Step 1 of 3

This wizard will guide you through the process of labeling objects in your repository.
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LABEL OBJECTS Step 2..
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LABEL OBJECTS Step 3..
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Creating Query:

• Creating query with label is the most important step of deployment. Query consists of parameter and a value.
• **AND** and **OR** can be used to add multiple query conditions.
• Query can be shared or personal.
• To create query click Tools > Queries.
Steps For Using Dynamic Deployment Groups

Description of the sample query formed:

**Label is Equal To:** This is assigned value of the label CVaR 2.6. It means to pull all objects assigned to label CVaR 2.6.

**Latest Status is Equal To:** This is assigned value Latest Checked-in. By doing this query pulls only the latest version of the objects.

**Reusable Status:** This can have Non-reusable, Reusable or both values.
Common Errors

1. Mapping has broken links when copied with non-reusable dependencies from deployment group.

Reason: The links will be broken, if the shared folder in the target repository is an outdated copy, and when the Copy Deployment Group process did not compare the shared folders.

Solution:
When copying the deployment group with shortcut objects, in the Copy deployment window, do the following:
Select Show advanced Options
Click Next
Select the Target folder
Select checkbox to Compare the folders when prompted
In Select shared folders window, check if the target shared folder is an "Outdated copy"
For the copy process to compare an outdated folder, click Override button in the window, then click Next.
2.[REP_55035] An error occurred during deployment. Cannot deploy, XXX source object has name conflict.

Reason: This is a known issue with Power Center 8.1.1 SP5 and a change request (CR 182655) has been submitted to be addressed in the future release of Power Center.

Solution: There is a patch available for this error from informatica. An EBF (EBF182655) is available for this issue in /updates/PowerCenter/8.1.1_sp5/EBF182655/ folder of the FTP site.
Common Errors

3. '[REP_55035] An error occurred during deployment. Can't deploy, non reusable object in the deployment group is an orphan.' when deploying a Power Center repository deployment group.

Reason: This error occurs when non reusable object is added to the deployment group query with out adding parent object.

Solution:
1. Deploy parent group first using static deployment group. Select the Non Reusable option. This will add the parent with only the Non-reusable objects to the deployment group.
2. Using dynamic deployment group add parent object also in the query for example add workflow.
References

- https://my-prod.informatica.com/
- Powercenter Help