**Connector**

It is a container that holds the information that OIM needs to reconcile user identity with

external source and provisioning using with target resource.

**The Connector Components are**:

**Resource Definition**:

This is a virtual representation of target application on which we want to provisioning account.

It is a parent record with which provision process (process definition) and process form.

**Process Definition**:

It is used to create, update and delete accounts on target system.

It consists of individual tasks that are to perform automated function on the target system. Each

connector is packaged with single provisioning process. If we required extra-provisioning

process. We can create additional provisioning process.

**Process Form**:

This form is used to provide information about user accounts to be created, updated or deleted

on target system. This form also used to capture data that can be used by provisioning process

task.

This form is also externally used for conducting target reconciliation.

The table structure associated with this form supports archiving and auditing of user accounts of

target system.

Each connector shipped with certain default process form we can manually create additional

process forms.

**IT Resource**:

It provides the all communication details of the resource.

One IT Resource for resource.

**IT resource Types**:

This is template for all IT resource definition associated with the connector.

IT resource type specifies the parameter that are common to all resource type instances. Such as host name and computes of the particular IT resource type.

One and only IT resource type for connector.

**Provisioning**

It is a process to create user, modify user or delete user information in target resource is

initiated by OIM data flows from OIM to resource.

Provisioning of users can be achieved by using connectors and other configurations in OIM to

save their information in target system.

Different types of User Provisioning

1) Direct Provisioning.

2) Policy Based Provisioning.

3) Request Based Provisioning.

1. Direct Provisioning:

This provisioning is provided by system administrators if users request any access on target

system accounts using OIM self-service console and administrator provide the access as

requested by the user.

1. Policy Based Provisioning:

When you use access policies for auto provisioning then it is called as policy based provisioning.

1. Request Based Provisioning:

A request based provisioning operation involves both end users and approvers.

**Reconciliation**

Reconciliation is the process by which operations, such as user creation, modification, or deletion, started on the target system are communicated to Oracle Identity Manager. The reconciliation process compares the entries in Oracle Identity Manager repository and the target system repository, determines the difference between the two repositories, and applies the latest changes to Oracle Identity Manager repository.



**In OIM Reconciliation is two types:**

1)Trusted Source Reconciliation

2) Account based Reconciliation or Target Resource Reconciliation.

**1) Trusted Source Reconciliation**

If data is reconciled from a system that drives the *creation* of users, roles, role memberships, or role hierarchies in Oracle Identity Manager repository, then that reconciliation mode is called identity reconciliation, or authoritative source reconciliation, or trusted source reconciliation. The system that is being reconciled from is referred to as the authoritative source for the enterprise identities, and may be an HR system or a corporate directory.



1.Trusted Reconciliation- Mode of Reconciliation is Change Log.

2.Trusted Reconciliation is Full and Incremental.

3.For Trusted Reconciliation all user data stored into "USR" Table under OIM Schema.

4.For Trusted Reconciliation three attributes are mandatory -Last Name, Organization Name & User type

**2) Account Reconciliation or Target Resource Reconciliation**

If the target system identities are accounts that get reconciled to Oracle Identity Manager, then that is target resource reconciliation or account reconciliation. This type of reconciliation is to reconcile a specific resource object that represents the target system being managed. There is always a corresponding provisioning flow for it. The identity retrieved from the target system maps to a resource object instance that has been provisioned to a user or organization.



1.Target Resource Reconciliation- Mode of Reconciliation is Regular.

2.Approach Used for Target Resource Reconciliation is Full and Incremental.

3.For Target Resource Reconciliation all account data stored into below Tables under

"UD\_ConnetorName\_USR"

"UD\_ConnetorName\_Role"

4.No Attributes are Mandatory for Target Resource Reconciliation.