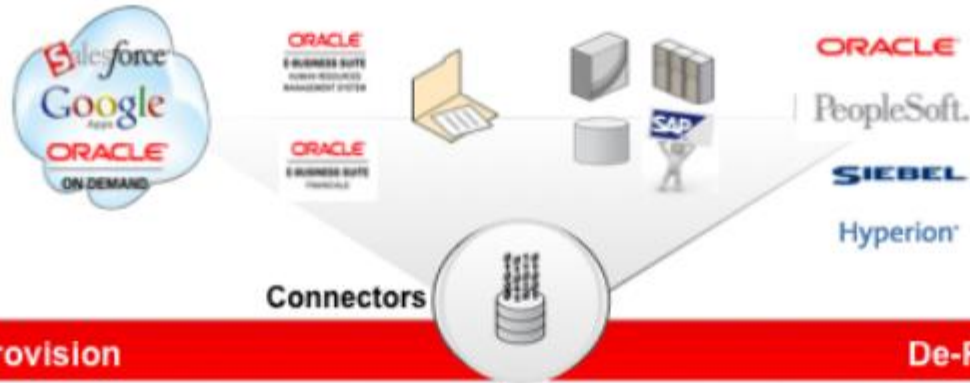


# Oracle Identity Governance Access Catalog

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Oracle Enterprise Architect



# Oracle Identity Governance Suite



**Provision**

**De-Provision**

**Grant User Access**

**Monitor User Access**



**Access Request**



**Privileged Account Request**



**Role Lifecycle Management**



**Check-in/Checkout**



**Identity Certifications**



**IT Audit Monitoring**



**Rogue Detection & Reconciliation**



**Reporting & Privileged Access Monitoring**

Roles

Entitlements

Accounts

Glossaries

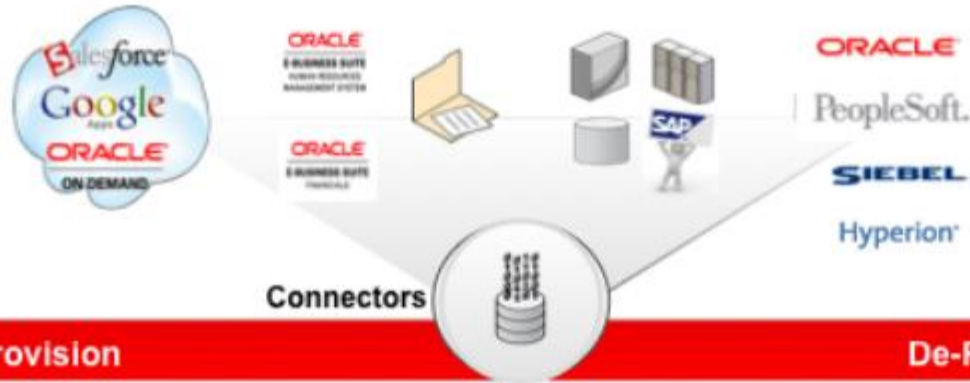
**Access Catalog**



Ownership, Risk & Audit Objectives

Catalog Management

# Oracle Identity Governance Suite



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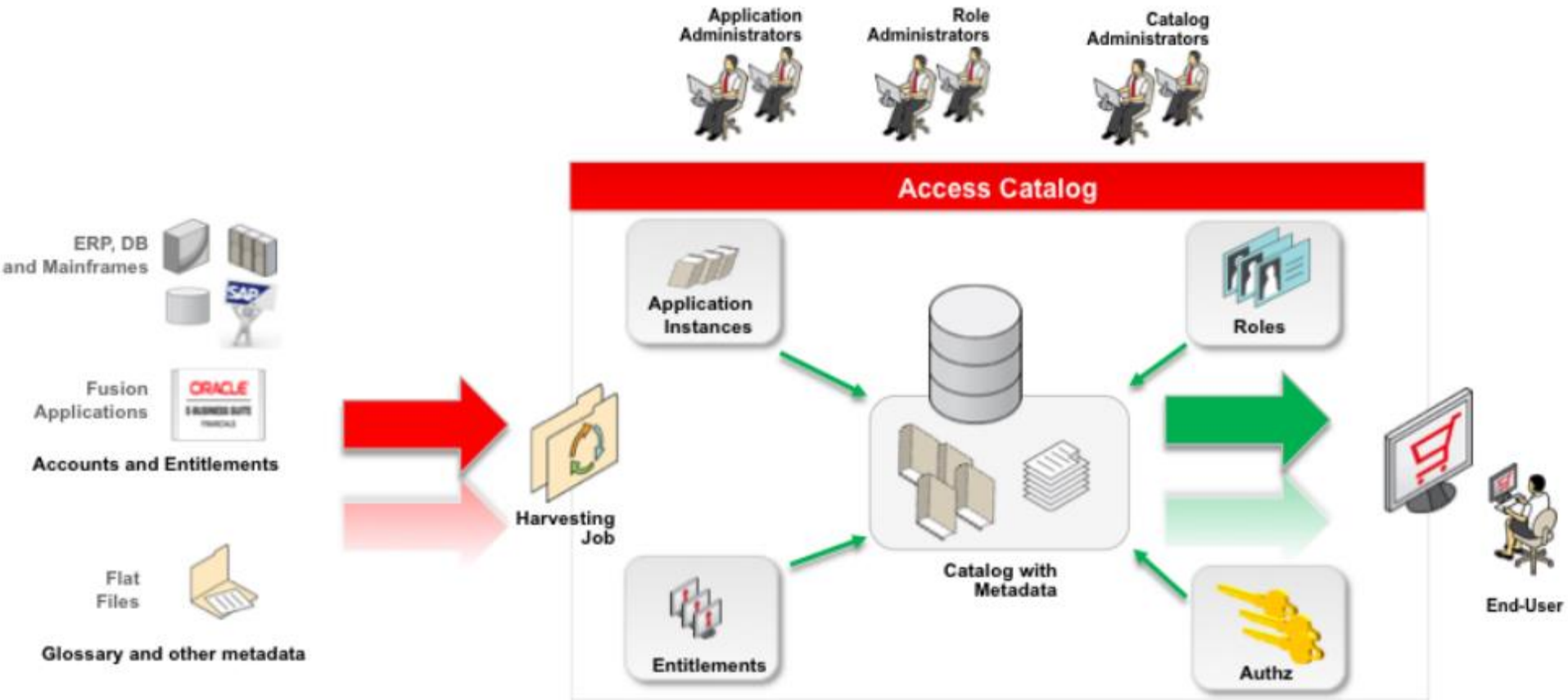
**Access Catalog**



Ownership, Risk & Audit Objectives

Catalog Management

# OIG Access Catalog



# Catalog Concepts

- Catalog Item
  - Roles, Entitlements or Application Instances
- Category is a way to organize the request catalog
  - Catalog item is associated with one category.
- Application Instance represents an account on a target
  - Used to request an account in a particular target.
  - Connector, or disconnected, if fulfillment is manual.
  - entitlements are associated with them
- Enterprise Roles used to provisioned application instances or entitlements
- Entitlements are privileges in an application

# Catalog Concepts

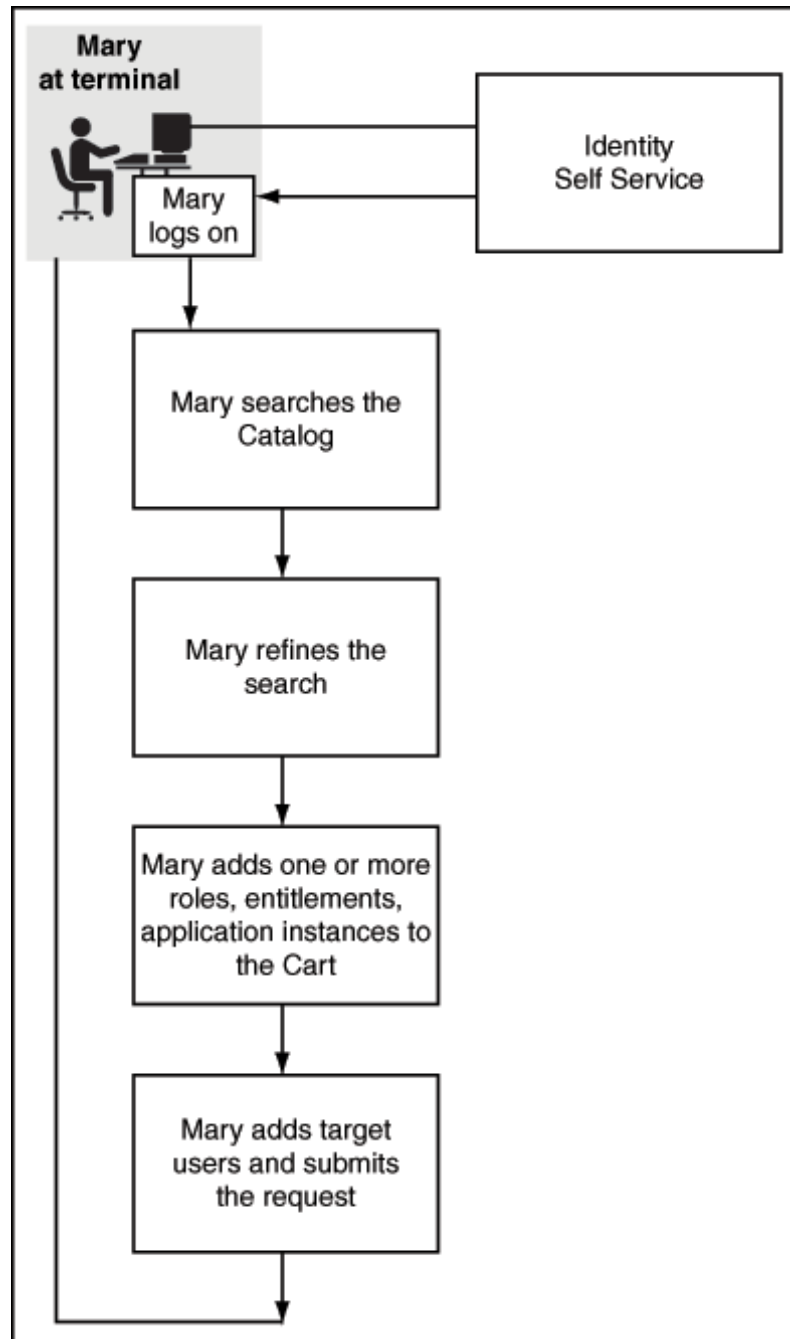
- Catalog Item Metadata for the Catalog Item attributes
- Tags are search keywords. When users search the Access Request Catalog, the search is performed against the tags. Tags are of three types
  - Auto-generated: Item Type, Item Name and Item Display Name
  - User-defined
  - Arbitrary tags: marked in the metadata as searchable
- Catalog Administrator global security role required to manage Catalog
- Shopping Cart collection of requested Catalog Items
  - one cart active per user
  - roles, application instances, entitlements, or any combination

# Catalog Concepts

- Catalog synchronization the process of loading roles, application instances, and entitlements into the Catalog.

## Requesting access

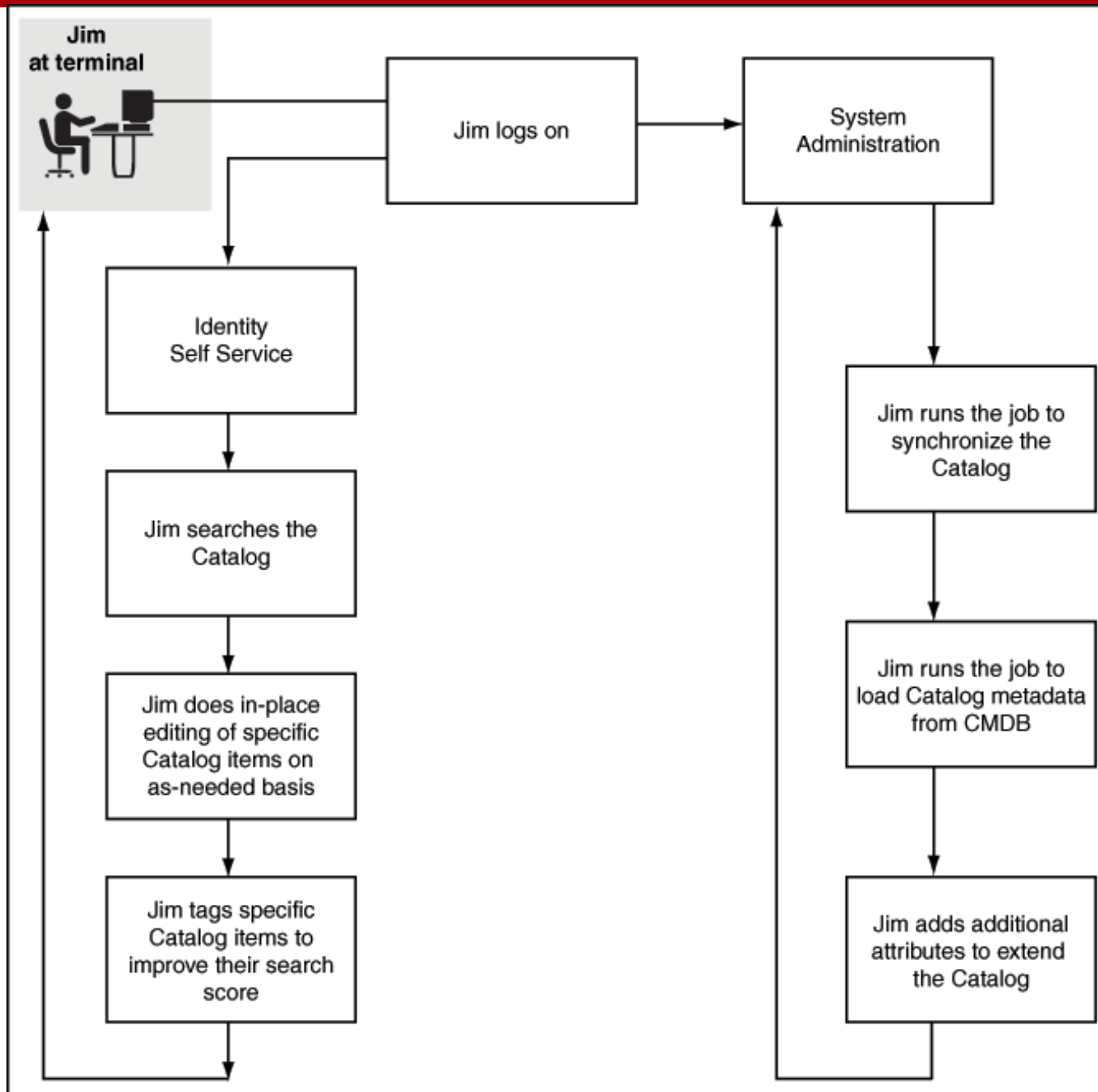
Mary, a Manager in Wells Fargo, would like to request access to the Horizon application for herself and her directs. To do this, she searches the Catalog using the keyword Horizon. The catalog returns all items that match Mary's keywords and that she is allowed to request. Mary filters the search results by selecting Application from the list of categories. The Catalog returns a reduced set of search results. Mary adds the Horizon application to the cart and checks out. She adds herself and her directs to the request and submits the request.



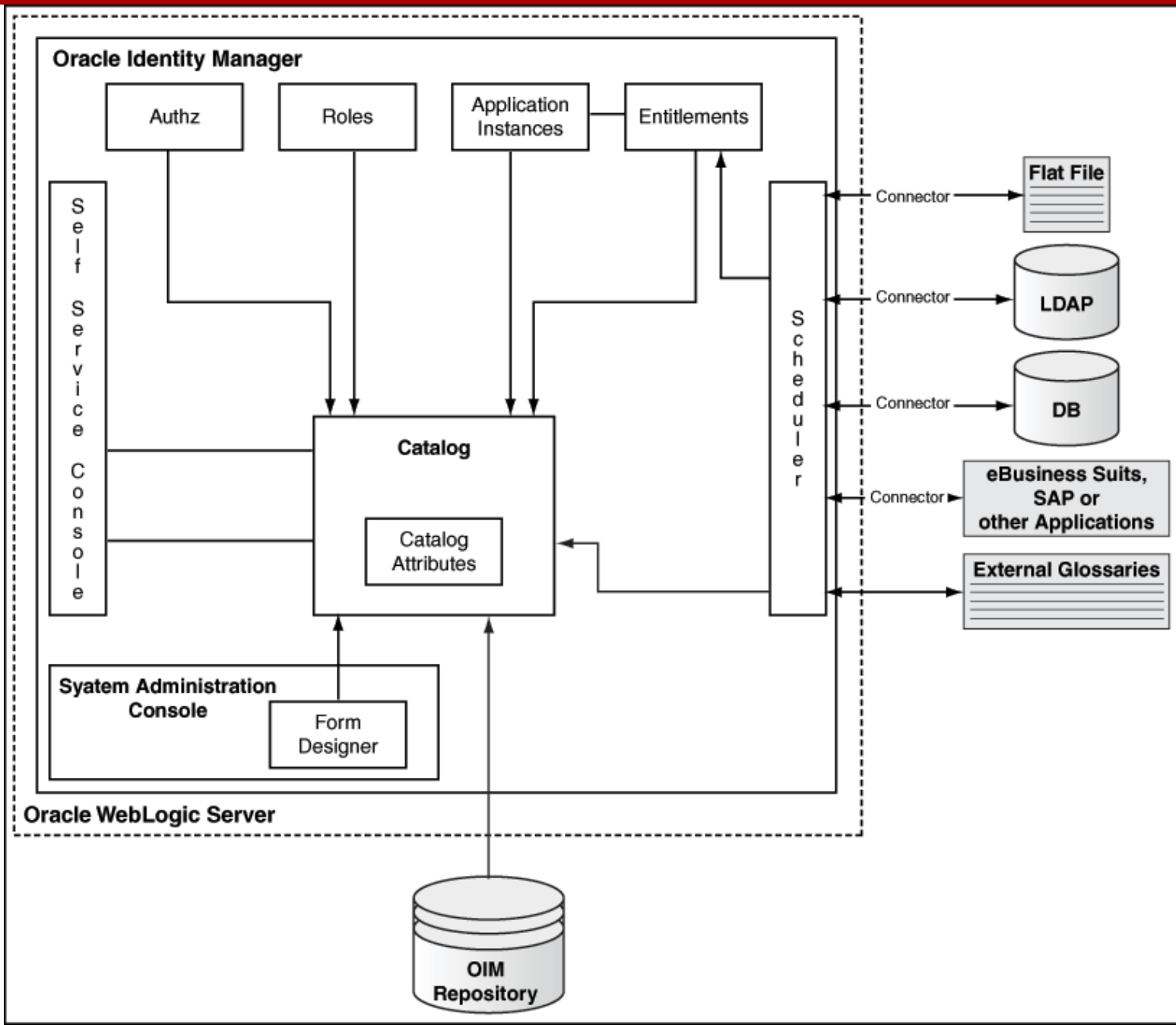


# Catalog Administration

Jim, a Catalog Administrator, would like to onboard new application instance and their entitlements, add additional attributes and improve the searchability of the catalog items. He runs the Catalog Synchronization job to harvest the new application instance and their entitlements. Next, he extends the Catalog metadata by adding additional attributes and identifies certain attributes as searchable. Next, he loads the catalog with metadata and tags for the new attributes. For certain Catalog items, he searches the Catalog and edits the Catalog item in place.



# Access Request Catalog



# Defining the Catalog Metadata

Ensure that you are in the correct and activated sandbox session.

- Click Form Designer.
- Select Catalog from the Type drop-down list.
- Click Search
- Select the Catalog entity and click Open
- Click Custom New Attribute to add an attribute.
- Select from one of the pre-defined attribute types and click OK.
- Provide the necessary information and click Save and Close.
- Add additional attributes as required.
- Publish to publish the sandbox

## Edit Lookup Field: Access Level Tier

### Appearance

Configure how this field will appear when displayed to your users.

\* Display Label

Help Text

### Name

Each field requires a unique name in the system. Name and description are for i

Name	AccessLevelTier	De
? API Name	AccessLevelTier__c	

### Constraints

Searchable

Maximum Length  Characters

### List of Values

Configure the list of values you want to display in the choice list. Click the search

# Onboarding Checklist

- Identify Catalog Administrators
- Identify and extended Catalog attributes
- Customize Catalog search results UI
- Customize Catalog Item Details UI
- Identify navigational categories
- Identify Owners, Certifiers, Approvers
  - roles and applications
- Identify sources of truth
- Develop procedures to load Catalog item metadata
- Develop glossary of tags and a process to maintain tags

# Onboarding Application Instances

- Verify that the process forms have an IT resource field
- Confirm form field properties are correct
- Confirm application instances have suitable display names and descriptions
- Confirm forms required for account requests
- Verify application instances are published to the relevant organizations

# Onboard Application Instances

Login to the System Administration Console as a member of the System Administrator role

- Click Scheduler
- Search for the Catalog Synchronization job
- Check the Process Application Instances parameter
- Set the parameter Mode to Incremental

The screenshot displays the 'System Management' section of the console, specifically the 'Job Details' page for the 'Catalog Synchronization Job'. The interface includes a navigation bar with 'Event Management', 'Policies', and 'System Management'. Below this, there are tabs for 'Scheduler', 'Notification', and 'System Configuration'. The 'Job Details' tab is active, showing the following information:

- Job Name:** Catalog Synchronization Job
- Task:** Catalog Synchronization Task
- \* Start Date:** May 7, 2013 12:57:06 F (GMT-07:00) US/Arizona - Mount
- \* Retries:** 5

The 'Job Periodic Settings' section shows:

- Run every:** 15 mins

The 'Job Status' section displays:

- Current Status:** Running
- Last Run Start:** December 13, 2013 11:05:44 AM MS
- Last Run End:**
- Next Scheduled Run:** May 7, 2013 12:57:06 PM MST

The 'Parameters' section includes:

- File Path:** (empty text box)
- \* Mode:** Incremental
- Process Application Instances:** Yes (selected), No

# Onboarding Entitlements

- Verify that the process forms have an IT resource field
- Verify form field properties
- Confirm associated of the parent and child forms
- Confirm lookup reconciliation job
  - Common for ICF-based targets
  - connector-specific lookup reconciliation jobs
- Verify application instances
  - resource object and IT resource instance specified in the Lookup Reconciliation job
- Verify published entitlements to relevant organizations
- Verify entitlement list loader job

# Onboarding Entitlements

Login to the Oracle Identity System Administration Console as a member of the System Administrator role.

- Click Scheduler.
- Search for the Catalog Synchronization job.
- Check the Process Entitlements parameter.
- Set the parameter Mode to Incremental.

The screenshot shows a configuration page with a blue header and light blue background. It contains several sections with radio button options and a date-time input field.

**Schedule Type**

- Periodic
- Cron
- Single
- No pre-defined schedule

**Process Entitlements**

- Yes
- No

**Process Roles**

- Yes
- No

**Updated Date**

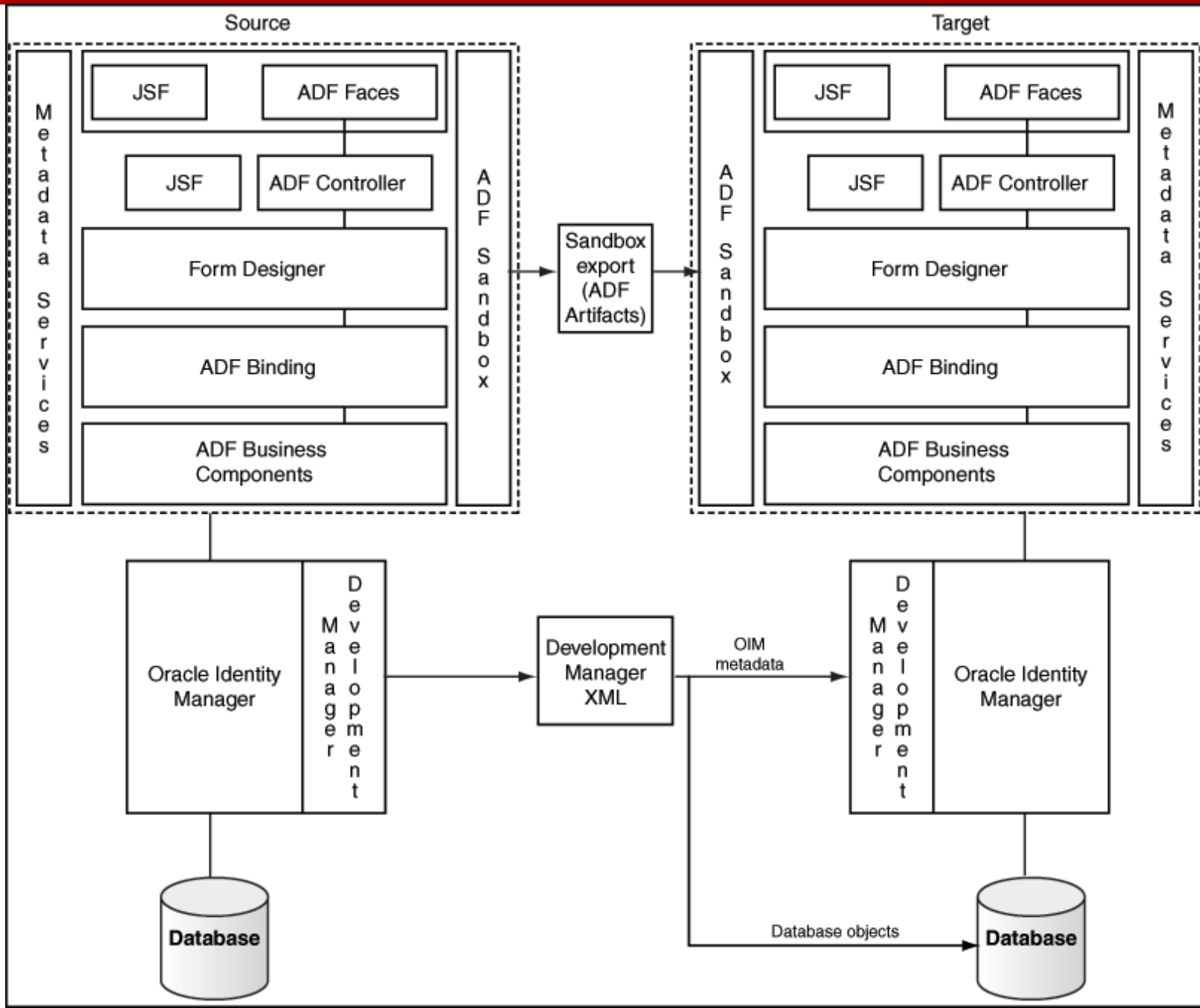


# Enriching the Catalog

## **Provides business context associated of Catalog Item**

- Can be used in approval workflow,
- **Editing a Catalog Item Online**
  - Oracle Identity Manager Self Service Console
  - Name, Display Name, and Description cannot be edited on the catalog screen. These are base level attributes and you cannot edit from Catalog UI.
- **Loading data from an external source**
  - Catalog Synchronization Job

# Migrating to a new environment



# Optimizations for Oracle Text Index (tablespace)

```
CREATE TABLESPACE catalog_text_ind_tables DATAFILE  
'DATA_DIR/catalog_text_ind_tables_01.dbf' SIZE 2048M REUSE EXTENT  
MANAGEMENT LOCAL SEGMENT SPACE MANAGEMENT AUTO;
```

```
Begin Ctx_Ddl.Create_Preference('cat_storage', 'BASIC_STORAGE'); End; /  
Begin ctx_ddl.set_attribute('cat_storage', 'I_TABLE_CLAUSE', 'tablespace  
catalog_text_ind_tables storage (initial 5M next 5M)'); End; /  
Begin ctx_ddl.set_attribute('cat_storage', 'K_TABLE_CLAUSE', 'tablespace  
catalog_text_ind_tables storage (initial 5M next 5M)'); End; /  
Begin ctx_ddl.set_attribute('cat_storage', 'R_TABLE_CLAUSE', 'tablespace  
catalog_text_ind_tables storage (initial 1M) lob (data) store as (cache)'); End; /  
Begin ctx_ddl.set_attribute('cat_storage', 'N_TABLE_CLAUSE', 'tablespace  
catalog_text_ind_tables storage (initial 1M)'); End; /  
Begin ctx_ddl.set_attribute('cat_storage', 'I_INDEX_CLAUSE', 'tablespace  
catalog_text_ind_tables storage (initial 1M) compress 2'); End; /
```

```
ALTER INDEX CAT_TAGS rebuild parameters ('replace storage cat_storage');
```

# Optimizations for Oracle Text Index (Pool)

Compute the size of the text index using the following query and use that to set/adjust DB\_KEEP\_CACHE\_SIZE accordingly.

- `SELECT ctx_report.index_size('CAT_TAGS') FROM dual;`

```
ALTER INDEX DR$CAT_TAGS$X STORAGE (buffer_pool keep);
```

```
ALTER TABLE DR$CAT_TAGS$R STORAGE (buffer_pool keep);
```

```
ALTER TABLE DR$CAT_TAGS$R STORAGE (buffer_pool keep) MODIFY lob  
(data) (STORAGE (buffer_pool keep));
```

```
ALTER TABLE DR$CAT_TAGS$K STORAGE (buffer_pool keep);
```

```
ALTER TABLE DR$CAT_TAGS$I STORAGE (buffer_pool keep);
```

# Optimizations for Oracle Text Index (defrag)

Oracle Database scheduler jobs:

- **FAST\_OPTIMIZE\_CAT\_TAGS**
  - Index Defrags
  - Recommended everyday 1AM
- **REBUILD\_OPTIMIZE\_CAT\_TAGS**
  - Recreates the indexes
  - Recommended weekly Sunday 2AM

Disabled by default

```
BEGIN
```

```
    DBMS_SCHEDULER.ENABLE ('FAST_OPTIMIZE_CAT_TAGS');
```

```
END; /
```

```
BEGIN
```

```
    DBMS_SCHEDULER.run_job ('REBUILD_OPTIMIZE_CAT_TAGS');
```

```
END; /
```