

# Practical 10: Identity Feeds Exercises

**Subject:** Identity and Access Management (ISIM)

This guide covers creating various types of Identity Feeds to bulk-load user data into the system.

## Part 1: File-Based Identity Feeds

**Login:** `https://isim.test:9443/itim/console/` **User:** `itim manager` **Password:** `P@ssword`

### Exercise 1: CSV Identity Feed (Simple File)

You are hiring finance employees from a spreadsheet.

1. **Navigate:** Home -> Manage Services -> Create.
2. **Select Business Unit:** `Finance` . Click **Next**.
3. **Service Type:** Select `Comma Separated File (CSV) identity feed` . Click **Next**.
4. **Service Information:**
  - **Name:** `CSV Identity Feed` .
  - **File Name:** `/classfiles/data/newhires_finance.csv` (This path is on the server).
  - **Naming Attribute:** `uid` .
  - **Placement Rule:**

```
return "ou=Finance";
```

5. Click **Test Connection** -> **Finish**.
6. **Run Reconciliation:**
  - Find the service in the list.
  - Click the arrow next to it -> **Reconcile Now**.
  - Wait for "Success" in View Requests.
7. **Verify:** Go to **Manage Users** and check for new users in Finance.

### Exercise 2: DSML Identity Feed (XML-based)

You are loading developers from a DSML (Directory Services Markup Language) file.

1. **Navigate:** Home -> Manage Services -> Create.
2. **Select Business Unit:** `Development` . Click **Next**.
3. **Service Type:** Select `DSML identity feed` . Click **Next**.
4. **Service Information:**

- **Name:** DSML Identity Feed .
- **File Name:** /classfiles/data/development.dsml .
- **Placement Rule:**

```
return "ou=Development";
```

5. Click **Test Connection** -> **Finish**.
6. **Run Reconciliation:**
  - Find the service -> **Reconcile Now**.
7. **Verify:** Go to **Manage Users** and check for new users in Development.

## Part 2: Directory-Based Feed

### Exercise 3: LDAP Identity Feed (Connecting to another Directory)

You acquired a company "PDQ Inc" and need to import their users from their LDAP server.

1. **Pre-check:** Use LDAP Browser to verify users exist in `o=PDQ -> ou=sales` .
2. **Navigate:** Home -> **Manage Services** -> **Create**.
3. **Select Business Unit:** JK Enterprises . Click **Next**.
4. **Service Type:** Select `INetOrgPerson` identity feed . Click **Next**.
5. **Service Information:**
  - **Name:** LDAP InetOrgPerson Identity Feed .
  - **URL:** `ldap://isim.test:389` .
  - **User ID:** `cn=root` / **Password:** `P@ssword` .
  - **Naming Context:** `ou=sales,o=pdq` (Where to look in the *source*).
  - **Naming Attribute:** `uid` .
  - **Placement Rule:**

```
return "L=AP,ou=Sales";
```

*(This puts them in the Asia Pacific Sales location).*

6. Click **Test Connection** -> **Finish**.
7. **Reconcile & Restore:**
  - Run **Reconcile Now**.
  - Go to **Manage Users**. You will see new users (e.g., Dengo Goto) marked **Inactive**.

- Select them -> Click **Restore** to activate them (because they lacked passwords in the source).

## Part 3: Advanced Integration (TDI)

### Exercise 4: Setting up IBM Security Directory Integrator (TDI)

TDI acts as a bridge between a complex data source and ISIM.

1. **Launch TDI:** Open Terminal -> Type `/opt/IBM/TDI/V7.2/ibmditk .`
2. **Import Project:**
  - File -> **Import** -> **IBM Security Directory Integrator Configuration.**
  - Select **File.** Browse to `/classfiles/data/csv_isim.xml .`
  - Project Name: `CSV_ISIM .` Click **Finish.**
3. **Run Listener:**
  - Expand `AssemblyLines.`
  - Double-click `ISIMListener .`
  - Click the **Run (Play)** button in the top toolbar.
  - Wait for the console message: `Listening for DSML connections on port '8,800' .`

### Exercise 5: Creating the TDI Data Feed

Now connect ISIM to the running TDI listener.

1. **Navigate:** Home -> **Manage Services** -> **Create.**
2. **Select Business Unit:** `JK Enterprises .` Click **Next.**
3. **Service Type:** Select `IDI data feed .` Click **Next.**
4. **Service Information:**
  - **Name:** `TDI feed .`
  - **URL:** `http://isim.test:8800/` (Note: http, not ldap).
  - **Naming Context:** `dc=IDIFeed .`
  - **Placement Rule:** (Complex rule provided in lab file `/classfiles/scripts/IDI_placementrule.js` ). It sorts users into Finance, TechSupport, or Sales based on their department number.
5. Click **Test Connection** -> **Finish.**
6. **Run Reconciliation:**
  - Find `TDI feed` -> **Reconcile Now.**
7. **Verify:** Check **Manage Users.** You should see many new users (Total ~45) distributed across different departments.
8. **Stop TDI:** Go back to the TDI window and click the Red Stop button.

# Exam Preparation: The "Feed" Strategy

## 1. The Universal Workflow (R-C-R)

Every exercise in this practical follows the R-C-R pattern. Memorize this sequence:

- **Rule:** Decide where the users go (Placement Rule).
- **Configure:** Create the Service, point to the file/URL.
- **Reconcile:** You **must** click "Reconcile Now" to actually pull the data in. Creating the service alone does nothing.

## 2. Differentiating the Feed Types

- **CSV:** Simple text file. Rule usually puts everyone in *one* place.
- **DSML:** XML file. Same concept as CSV, just different file format.
- **LDAP:** Connecting to a "Live" directory. Requires a URL ( `ldap://` ) and a base DN ( `ou=sales...` ).
  - *Exam Trap:* LDAP imports often come in as **Inactive** or **Suspended**. Don't forget you might need to **Restore** them.
- **TDI (IDI):** The "complex" one. Requires an external tool (TDI Editor) to be running on a specific port ( `8800` ).

## 3. The "Placement Rule" Logic

You don't need to memorize the code, but understand what it does.

- `return "ou=Finance";` -> "Put everyone in the Finance folder."
- `return "L=AP,ou=Sales";` -> "Put everyone in the Sales folder, specifically the AP location."
- If the exam asks you to put users in "Development", you just change the string to `return "ou=Development";` .

## 4. Key Exam Checklist

- **Did you select the right Business Unit?** (e.g., Creating the service under 'Finance' vs 'JK Enterprises').
- **Did you Test Connection?** Never click Finish without testing. If it fails, check the file path.
- **Did you Reconcile?** If you create the service but don't reconcile, no users will appear.
- **Did you Refresh?** ISIM is slow. You often have to hit Refresh multiple times to see the "Success" status.

## 5. TDI Specifics

- If asked about TDI, remember it's a **two-step process**:
  1. Start the AssemblyLine in the TDI toolkit (External App).

2. Create the Service in ISIM (Web Console).