

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).