

# INSTITUTE OF COMPUTER TECHNOLOGY

## B-TECH COMPUTER SCIENCE ENGINEERING 2025-26

### SUBJECT: IDENTITY ACCESS MANAGEMENT

NAME: Rahul Prajapati  
ENRLL NO: 23162171020  
BRANCH: CYBER SECURITY  
BATCH: 52

## Lab 10: Identity feeds exercises

### 5.1 Exercise 1 – Creating a comma separated value (CSV) identity feed

JK Enterprises hired a number of new employees to work in the finance department. In this exercise, you create a new identity feed (service) to load these new employees from a comma-separated value file into IBM Security Identity Manager. You also create several new IBM Security Identity Manager users.

1. **Log in** to the IBM Security Identity Manager Administrative Console as the system administrator with the user ID **itim manager**.
2. On the **Home** tab, navigate to **Manage Services**.
3. Click **Create**.
4. Confirm that the **Finance business** unit is selected or Click **Search** in front of Business Unit and Select **Finance**.

Create Service

Manage Services > Create a Service > Select the Type of Service

To create a new service, select the type of service that you want to create, and then click Next. If the type of service is not listed, you can create a custom service type.

+Business unit  
Finance Search...

Select	Service Type	Description
<input checked="" type="radio"/>	AD OrganizationalPerson identity feed	Active Directory Identity Feed Service Profile
<input type="radio"/>	Comma Separated File (CSV) identity feed	CSV Identity Feed Service Profile
<input type="radio"/>	DSML identity feed	DSML Identity Feed Service Profile
<input type="radio"/>	Hosted service	No description provided
<input type="radio"/>	IDI data feed	IDI Data Feed Service Profile
<input type="radio"/>	INetOrgPerson identity feed	LDAP Identity Feed Service Profile
<input type="radio"/>	LDAP profile	LDAP service profile
<input type="radio"/>	POSIX AIX profile	AIX accounts service profile
<input type="radio"/>	POSIX HP-UX profile	HP-UX accounts service profile
<input type="radio"/>	POSIX Linux profile	Linux accounts service profile
<input type="radio"/>	POSIX Solaris profile	Solaris accounts service profile

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Back Next > Finish Cancel

5. Select **Comma Separated File (CSV) identity feed** and click **Next**.

6. Complete the Create a Service form with the following information:

Field	Value
Service name	CSV Identity Feed
Description	CSV Feed for finance users
File name	/classfiles/data/newhires_finance.csv
Use workflow	[Cleared]
Evaluate separation of duty policy	[Cleared]
Person profile name	Person
Name attribute	uid
Placement rule	return "ou=Finance";

7. Click **Test Connection**.

Create Service

Manage Services > Create a Service > Service Information

To use a service, specify the name of the service and information to connect to the server where the service resides. To test the connection to the service, click Test Connection. Then, click Finish.

CTGIMU100!  
A connection was established to the specified service successfully.

Close Message

• Service name  
CSV Identity Feed

Description  
CSV Feed for finance users

• File name  
/classfiles/data/newhires\_finance.csv

☐ Use workflow

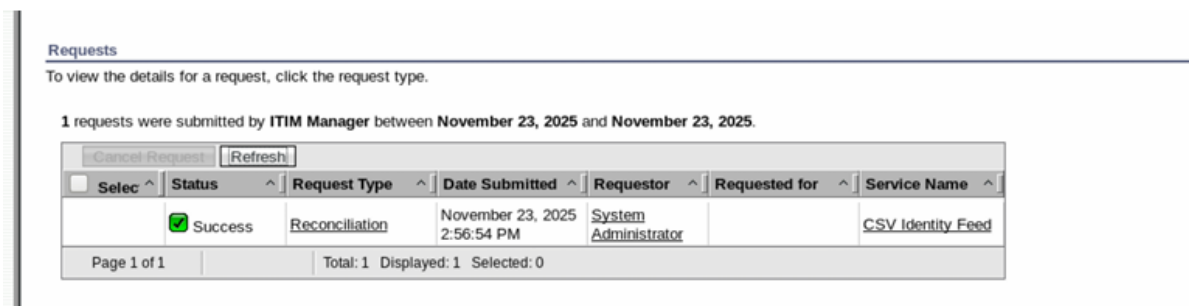
☐ Evaluate separation of duty policy when workflow is used

Person profile name  
Person

• Name attribute  
uid

Placement rule  
return "ou=Finance";

8. If the connection is **successful**, click **Finish**. If it is not, check that you entered the file name correctly.
9. When you see the message that you **successfully created the CSV Identity Feed**, click **close**.
10. From **Manage Services > Select a Service**, click **Refresh** until the new service is shown in the list.
11. Click the **small triangle to the right of CSV Identity Feed** and click **Reconcile Now**.
12. When you see the message that you successfully submitted a reconciliation request, click **View my request**. The reconciliation request should be the **top-most request in the list**.
13. If the status of the request shows it is **pending**, click **Refresh** until it shows success. It might take several minutes to complete the reconciliation.



14. On the **Home** tab, go to the **Manage Users** area. Confirm that three new users are added to the **Finance** business unit.

<input type="button" value="Create"/> <input type="button" value="Change"/> <input type="button" value="Delete"/> <input type="button" value="Suspend"/> <input type="button" value="Restore"/> <input type="button" value="Transfer"/> <input type="button" value="Refresh"/>						
<input type="checkbox"/> Select	Name	E-mail Ad...	Last Name	Business ...	Status	
<input type="checkbox"/>	Alice Smyth	asmith@jke...	Smyth	Finance	Active	
<input checked="" type="checkbox"/>	Brent Midland	bmidland@jk...	Midland	Finance	Active	
<input checked="" type="checkbox"/>	Phil Lesh	pllesh@jke.test	Lesh	Finance	Active	
<input checked="" type="checkbox"/>	Robert Weir	bweir@jke.test	Weir	Finance	Active	
<input type="checkbox"/>	Sue Thomas	stthomas@jk...	Thomas	Finance	Active	
<input type="checkbox"/>	Erica Carr	ecarr@jke.test	Carr	JK Enterprises	Active	

15. You can also review the contents of **newhires\_finance.csv** to confirm that the data looks correct. Open it in **Text Editor** Icon from desktop.
16. **Close** all the **tabs**.

## 5.2 Exercise 2 – Creating a Directory Services Markup Language (DSML) identity feed

In this exercise, you populate IBM Security Identity Manager with a list of developers at JK Enterprises using a new identity feed (service). This feed reads data from a DSML file and uses that information to create IBM Security Identity Manager users for the Development business unit.

1. On the **Home** tab, you go to **Manage Services**.

2. Click **Create**.
3. Select the **Development** business unit. Click **Search** in front of Business Unit and Select **Development**.
4. Select **DSML identity feed** and click **Next**.

Create Service

Manage Services > Create a Service > Select the Type of Service

To create a new service, select the type of service that you want to create, and then click Next. If the type of service is not listed, you can edit or create a custom service type.

\*Business unit  
Development

Select	Service Type	Description
<input type="radio"/>	AD OrganizationalPerson identity feed	Active Directory Identity Feed Service Profile
<input type="radio"/>	Comma Separated File (CSV) Identity feed	CSV Identity Feed Service Profile
<input checked="" type="radio"/>	DSML identity feed	DSML Identity Feed Service Profile
<input type="radio"/>	Hosted service	No description provided
<input type="radio"/>	IDI data feed	IDI Data Feed Service Profile
<input type="radio"/>	INetOrgPerson identity feed	LDAP Identity Feed Service Profile
<input type="radio"/>	LDAP profile	LDAP service profile
<input type="radio"/>	POSIX AIX profile	AIX accounts service profile
<input type="radio"/>	POSIX HP-UX profile	HP-UX accounts service profile
<input type="radio"/>	POSIX Linux profile	Linux accounts service profile
<input type="radio"/>	POSIX Solaris profile	Solaris accounts service profile

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5. Complete the **Create a Service** form with the following information:

Field	Value
Service name	DSML Identity Feed
Description	Load Dev Team through DSML Feed
User ID	[Leave blank]
Password	[Leave blank]
File name	/classfiles/data/development.dsml
Use workflow	[Cleared]
Evaluate separation of duty policy	[Cleared]
Placement rule	return "ou=Development";

- Click **Test Connection**.
- If the connection is **successful**, click **Finish**. If it is not, check that you entered the file name correctly

Create Service

Manage Services > Create a Service > Service Information

To use a service, specify the name of the service and information to connect to the server where the service resides. To test the connection to the service, click Test Connection. Then, click Finish.

**CTGIMU1211**  
A connection was established to the service successfully with non secure communication. See InfoCenter to configure secure communication.  
[Close Message](#)

\*Service name  
DSML Identity Feed

Description  
Load Dev Team through DSML Feed

User ID  
itim manager

Password  
\*\*\*\*\*

File name  
/classfiles/data/development.dsml

☐ Use workflow

☐ Evaluate separation of duty policy when workflow is used

Placement rule  
return "ou=Development";

- When you see the message that you **successfully** created the DSML identity feed, click **Close**.
- From **Manage Services > Select a Service**, click **Refresh** until the new service is shown in the list.
- Click the **small triangle** to the **right** of the new service name and click **Reconcile Now**.
- When you see the message that you successfully submitted a reconciliation request, click **View my request**. The reconciliation request should be the top-most request in the list.
- If the status of the request is pending(wait for a minute), click **Refresh** until it shows success.

## Requests

To view the details for a request, click the request type.

2 requests were submitted by ITIM Manager between November 23, 2025 and November 23, 2025.

<a href="#">Cancel Request</a> <a href="#">Refresh</a>						
<input type="checkbox"/> Select ^	Status ^	Request Type ^	Date Submitted ^	Requestor ^	Requested for ^	Service Name ^
<input checked="" type="checkbox"/>	Success	<a href="#">Reconciliation</a>	November 23, 2025 3:10:33 PM	<a href="#">System Administrator</a>		<a href="#">DSML Identity Feed</a>
<input checked="" type="checkbox"/>	Success	<a href="#">Reconciliation</a>	November 23, 2025 2:56:54 PM	<a href="#">System Administrator</a>		<a href="#">CSV Identity Feed</a>
Page 1 of 1      Total: 2    Displayed: 2    Selected: 0						

[Close](#)

- On the **Home** tab, navigate to the **Manage Users** area. Confirm that four new users are added to the **Development** business unit.

<div>CreateChangeDeleteSuspendRestoreTransferRefresh</div>						
<input type="checkbox"/> Select ^	Name ^	E-mail Ad... ^	Last Name ^	Business ... ^	Status ^	
<input checked="" type="checkbox"/>	<a href="#">Brad Carlton</a>	bcarlton@jke...	Carlton	<a href="#">Development</a>	Active	
<input checked="" type="checkbox"/>	<a href="#">Tally Isham</a>	tisham@jke.test	Isham	<a href="#">Development</a>	Active	
<input checked="" type="checkbox"/>	<a href="#">Victor Newman</a>	vnewman@jk...	Newman	<a href="#">Development</a>	Active	
<input checked="" type="checkbox"/>	<a href="#">Vince Young</a>	vyoung@jke...	Young	<a href="#">Development</a>	Active	
<input type="checkbox"/>	<a href="#">Alice Smyth</a>	asmyth@jke...	Smyth	<a href="#">Finance</a>	Active	
<input type="checkbox"/>	<a href="#">Brent Midland</a>	bmidland@jk...	Midland	<a href="#">Finance</a>	Active	
<input type="checkbox"/>	<a href="#">Phil Lesh</a>	plesh@jke.test	Lesh	<a href="#">Finance</a>	Active	
<input type="checkbox"/>	<a href="#">Robert Weir</a>	bweir@jke.test	Weir	<a href="#">Finance</a>	Active	
<input type="checkbox"/>	<a href="#">Sue Thomas</a>	stthomas@jk...	Thomas	<a href="#">Finance</a>	Active	
<input type="checkbox"/>	<a href="#">Erica Carr</a>	ecarr@jke.test	Carr	<a href="#">JK Enterprises</a>	Active	

- You can also review the contents of **development.dsml** to confirm that the data looks correct. Open it in **Text Editor** icon from desktop.
- Close all the tabs.**

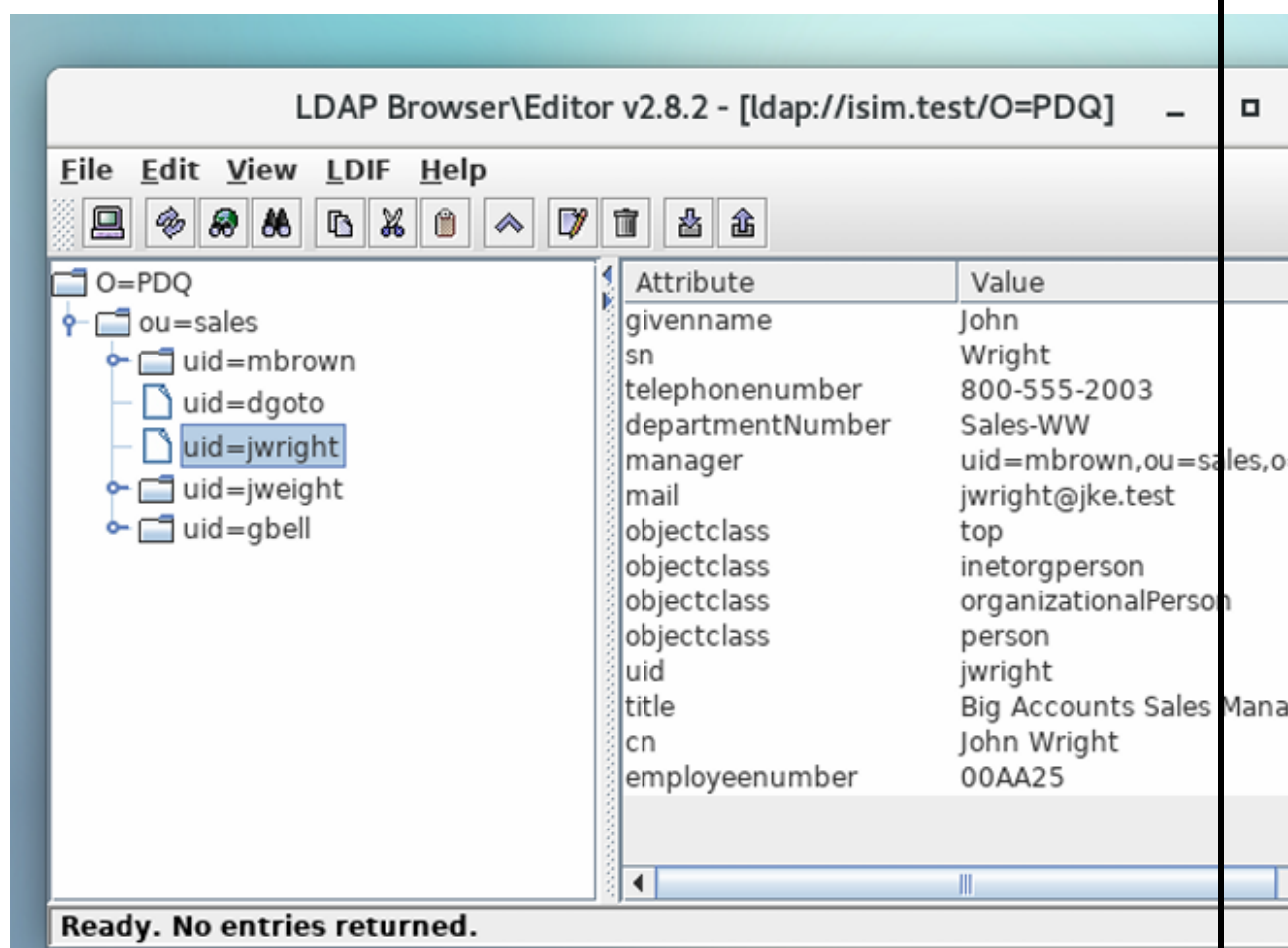
## 5.3 Exercise 3 – Creating an LDAP InetOrgPerson identity feed

JK Enterprises recently acquired PDQ Inc. to increase its business presence in the Asia Pacific region. In this exercise, you create a new identity feed (service) that simulates reading data from a Lightweight Directory Access Protocol (LDAP) server at PDQ Inc. You also automatically create new IBM Security Identity Manager users from the directory contents.

### *Preparing for the load*

You will import users from the PDQ LDAP Server which for the purposes of this class, is the same LDAP server that is installed on the class computer. The PDQ user entries are stored in the directory under **ou=sales,o=PDQ**. You can use **LDAP Browser** or **Web Admin tool** to browse those users.

Open the **LDAP Browser** from **Desktop**. Select **PDQ INC** from **session list** and click on **connect**. **Expand O=PDQ** then **Expand ou=sales**. Confirm there are five users in the PDQ organization to import with this identity feed.



### *Creating and testing the identity feed*


1. Log in to the IBM Security Identity Manager Administrative Console as the system administrator with the user ID **itim manager**.
2. On the **Home** tab, navigate to **Manage Services**.
3. Click **Create**.
4. Complete the **Create** a Service form with the following information:

Field	Value
Business unit	JK Enterprises
Service type	INetOrgPerson identity feed
Service name	LDAP inetOrgPerson Identity Feed
Description	LDAP Identity Feed
URL	<b>ldap://isim.test:389</b>
User ID	cn=root
Password	P@ssw0rd
Naming context	ou=sales,o=pdq
Use workflow	[Cleared]
Evaluate separation of duty policy	[Cleared]
Person profile name	Person
Name attribute	<b>uid</b>
Placement rule	return "L=AP,ou=Sales";

- Click **Test Connection**.
- If the connection is successful, click **Finish**. If it is not, check that you correctly entered the URL, user ID, and Password.
- When you see the message that you **successfully** created the identity feed, click **Close**.
- From **Manage Services > Select a Service**, click **Refresh** until the new service is shown in the

Manage Services > Create a Service > Service Information

To use a service, specify the name of the service and information to connect to the server where the service resides. To test the connection to the service, click Test . Then, click Finish.


**CTGIMU108**  
A connection was established to the specified service successfully.

Close Message

+Service name  
LDAP inetOrgPerson Identity Feed

Description  
LDAP Identity Feed

+URL  
ldap://isim.test:389

User ID  
cn=root

Password  
••••••••

+Naming context  
ou=sales,o=pdq

☐ Use workflow

☐ Evaluate separation of duty policy when workflow is used

Person profile name  
Person



9. Click the small **triangle** to the right of the new service name and then click **Reconcile Now**.
10. When you see the message that you successfully submitted a reconciliation request, click **View my request**.
11. If the initial status of the request shows that it is in the pending state, click **Refresh**(wait for a minute) until it shows success.

**Requests**

To view the details for a request, click the request type.

3 requests were submitted by ITIM Manager between November 23, 2025 and November 23, 2025.

Select	Status	Request Type	Date Submitted	Requestor	Requested for	Service Name
<input checked="" type="checkbox"/>	Success	Reconciliation	November 23, 2025 3:21:30 PM	System Administrator		LDAP inetOrgPerson Identity Feed
<input checked="" type="checkbox"/>	Success	Reconciliation	November 23, 2025 3:10:33 PM	System Administrator		DSML Identity Feed
<input checked="" type="checkbox"/>	Success	Reconciliation	November 23, 2025 2:56:54 PM	System Administrator		CSV Identity Feed

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12. On the **Home** tab, navigate to **Manage Users** area. Confirm that **five new users are added to the AP location of the Sales division**.

Notice that the users are imported but marked as **inactive**. IBM Security Identity Manager marks the users inactive because they do not have a **userPassword** attribute set in the source LDAP.

13. To activate each user, **select** the user and click **Restore** and then click **Submit** and then Click **Close**. Repeat these steps for each inactive users.

**Users**

To perform a particular task for a user, click the icon next to the name of the user, and then select the task that you want to perform.

19 results found for: \*

☒ Include individual accounts when suspending, restoring, or deleting users

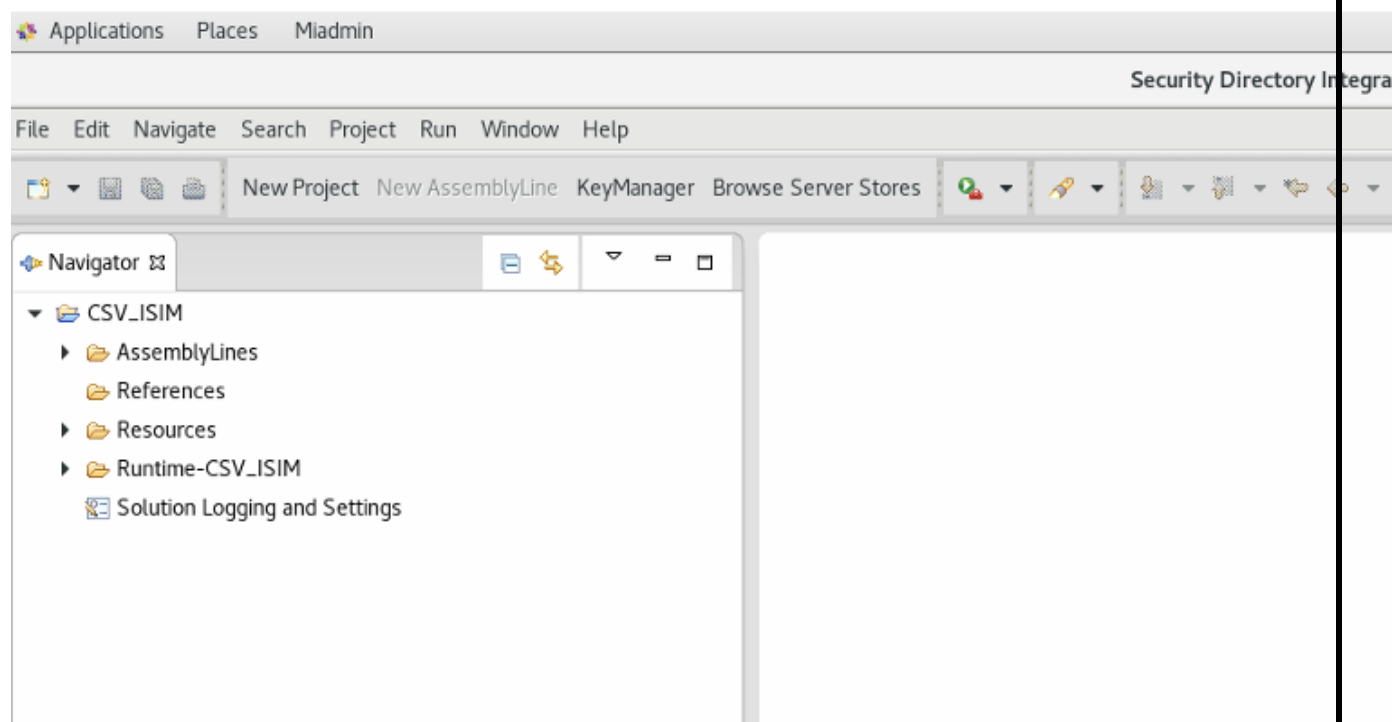
Select	Name	E-mail Ad...	Last Name	Business ...	Status
<input checked="" type="checkbox"/>	Dengo Goto	dgoto@jke.test	Goto	AP	Inactive
<input checked="" type="checkbox"/>	Graham Bell	gbell@jke.test	Bell	AP	Inactive
<input checked="" type="checkbox"/>	Jack Weight	jweight@jke.t...	Weight	AP	Inactive
<input checked="" type="checkbox"/>	John Wright	jwright@jke.test	Wright	AP	Inactive
<input checked="" type="checkbox"/>	Mack Brown	mbrown@jke...	Brown	AP	Inactive
<input type="checkbox"/>	Brad Carlton	bcarlton@jke...	Carlton	Development	Active
<input type="checkbox"/>	Tally Isham	tisham@jke.test	Isham	Development	Active
<input type="checkbox"/>	Victor Newman	vnewman@jk...	Newman	Development	Active

14. **Close the Reconcile Now tab.**

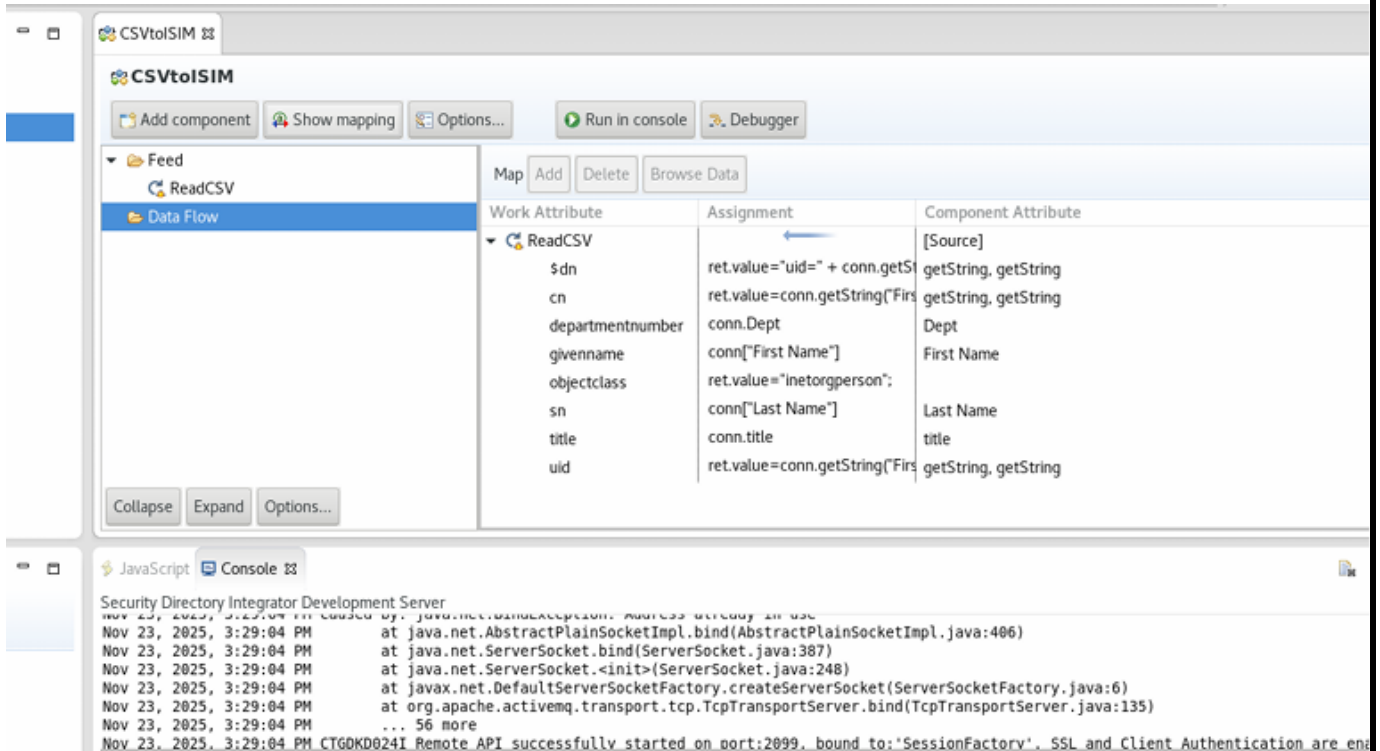
## 5.4 Exercise 4 – Creating a IBM Security Directory Integrator identity feed

In this exercise, you configure IBM Security Directory Integrator to provide an identity feed. You import an existing configuration file that includes the completed assemblyLines for the identity feed.

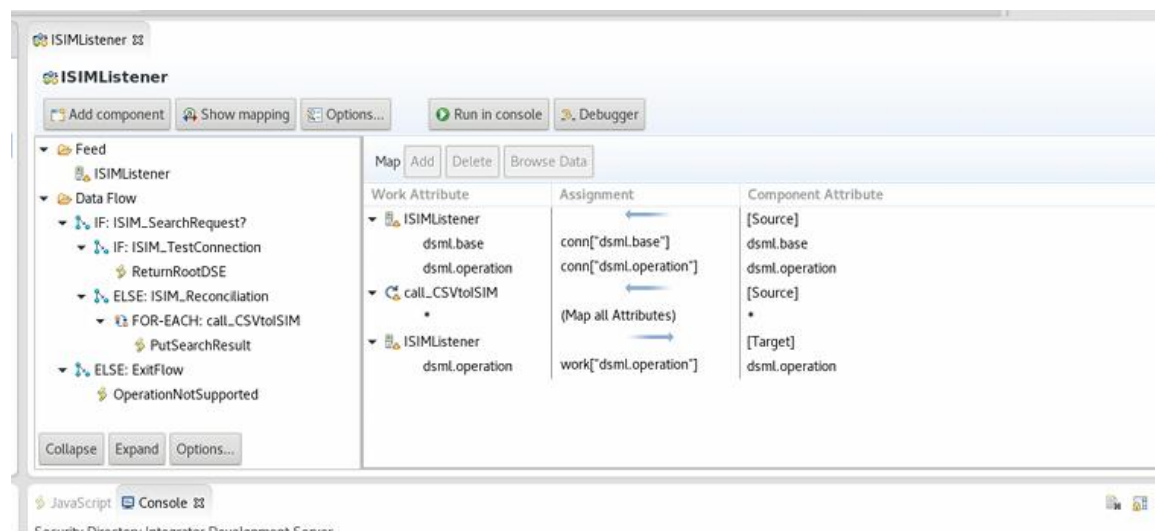
1. Launch the IBM Security Directory Integrator editor with the following command: Open the **terminal** and enter  
`/opt/IBM/TDI/V7.2/ibmditk`
2. If you are prompted to select a workspace, accept the default location and click **OK**.
3. Import the pre-built configuration file by clicking **File > Import**. Select **IBM Security Directory Integrator > Configuration** and click **Next**.
4. Select **File** Radio Button. Use `/classfiles/data/csv_isim.xml` for the Configuration File. Click **Finish**
5. When prompted for the **Project Name**, use **CSV\_ISIM**. Use the default location. Click Finish to create the project and finish the import.
6. In the Navigator panel, expand **CSV\_ISIM > AssemblyLines** to show the two assembly lines in the project.



7. Double-click **CSVtoISIM** to open the assemblyLine editor.  
The CSVtoISIM assembly line reads records from the file /classfiles/data/people.csv and maps the values in each record to inetOrgPerson attributes that IBM Security Identity Manager can process.
8. Click **Show Mapping** to display the attribute mapping table.

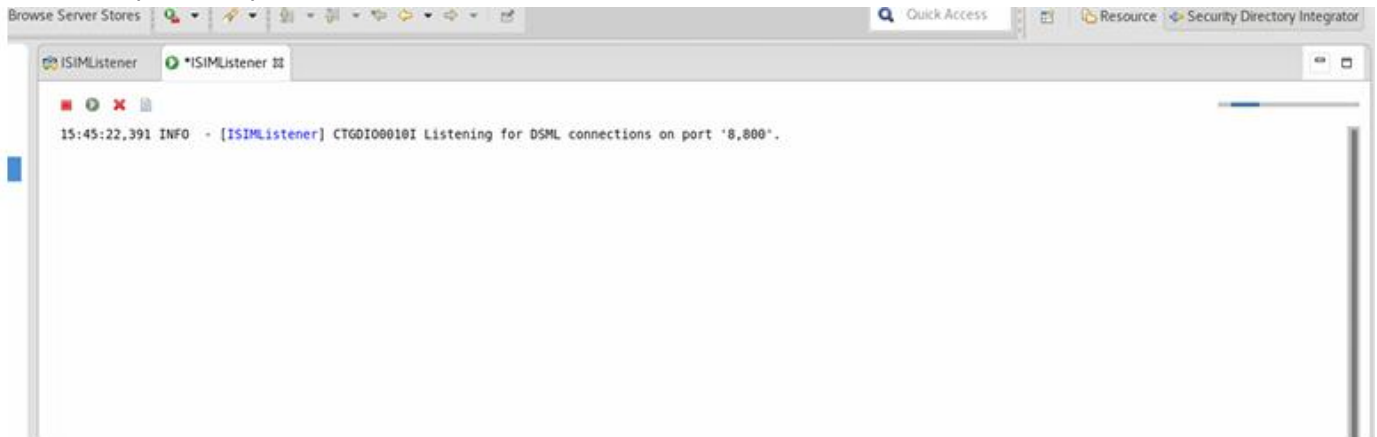


9. The mapping table has three columns. The **right** column shows the attributes names from the **source CSV file**. The **left** column shows the **inetOrgPerson** attributes that are passed to IBM Security Identity Manager. The **middle** column shows the **JavaScript** that performs the mapping from the CSV attributes to the inetOrgPerson attributes.
10. **Close** the CSVtoISIM **tab** to close the CSVtoISIM assemblyLine.
11. **Double-Click** the ISIMListener AssemblyLine.



12. The **ISIMListener** is the primary assemblyLine in the configuration and listens for requests from IBM Security Identity Manager. The logic in the Data Flow section queries the request type from IBM Security Identity Manager. If the request is for a **reconciliation**, the ISIMListener assembly line calls the **CSVtoISIM** to **read** a record from the **CSV file**. The results from the CSVtoISIM assembly line are collected and then **passed back** to IBM Security Identity Manager.

13. Click **Run in Console** to start the assembly line. The assembly line initializes and waits for requests on port 8800.



14. The Assembly Line is running successfully when you see a message similar to the following:

Listening for DSML connections on port 8,800

You have now configured a IBM Security Directory Integrator identity feed that is listening for requests on port **8800**. IBM Security Identity Manager connects to the IBM Security Directory Integrator identity feed through this port to load the people that are listed in the CSV file into the IBM Security Identity Manager organization tree.

## 5.5 Exercise 5 – Creating identities with a IBM Security Directory Integrator identity feed

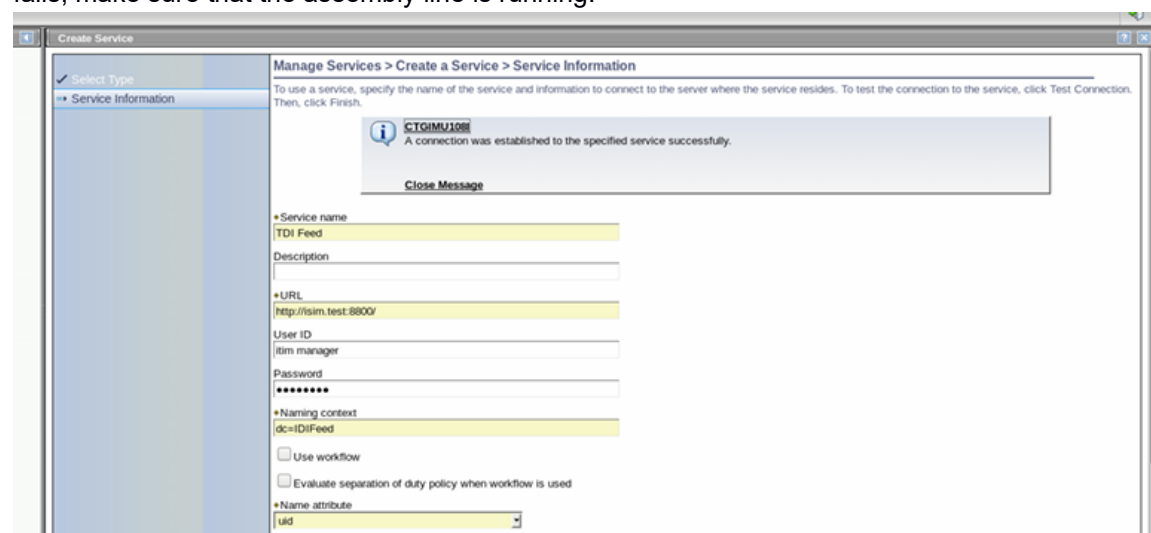
In this exercise, you create an identity feed service to use the IBM Security Directory Integrator configuration you just started. You then run a reconciliation to load the users into IBM Security Identity Manager. This exercise demonstrates the importance of properly designing the placement rule for a service to match the fields in the identity feed. Errors can result when you add users to the wrong place in the organization tree, possibly provisioning unintended resources and entitlements.

1. Log in to the IBM Security Identity Manager Administrative Console as the system administrator with the user ID **itim manager**.
2. On the **Home** tab, go to **Manage Services**.
3. Click **Create** to add a new service.
4. Confirm that the Business unit is set to **JK Enterprises**. Select the **IDI data feed** type and click **Next**.
5. Use the following information to complete the Create a Service form:

Field	Value
Service name	TDI feed
URL	http://isim.test:8800/
Naming context	dc=IDIFeed
Use workflow	[Cleared]
Evaluate separation of duty policy	[Cleared]
Name attribute	<b>uid</b>
Placement rule	<pre> var deptNum = entry.departmentnumber[0]; var placementLoc="ou=Finance"; if (deptNum == "Fin") placementLoc="ou=Finance"; if (deptNum == "Supp") placementLoc="ou=TechSupport"; if (deptNum == "Sales-Amer") placementLoc="L=Americas,ou=Sales"; if (deptNum == "Sales-EMEA") placementLoc="L=EMEA,ou=Sales"; if (deptNum == "Sales-WW") placementLoc="L=WW,ou=Sales"; if (deptNum == "Sales-AP") placementLoc="L=AP,ou=Sales"; return placementLoc; </pre>

If you have problems with the exact syntax of the placement rule, the text for the JavaScript is in the file `/classfiles/scripts/ IDI_placementrule.js`. Open **Terminal** and type the command `gedit /classfiles/scripts/IDI_placementrule.js` to open the file in a graphical editor and you can copy the JavaScript and paste the into the **Placement Rule** field of the web browser.

- Click **Test Connection** to test the connection to the Server Connector. If the test connection fails, make sure that the assembly line is running.



7. Assuming a successful connection test, click **Finish** to submit the service definition.
8. Return to the **Manage Services** tab and click **Refresh** to view a list of services.
9. Click the small arrow to the right of **TDI Feed** and click **Reconcile Now**.


**Requests**

To view the details for a request, click the request type.

9 requests were submitted by ITIM Manager between November 23, 2025 and November 23, 2025.

<input type="checkbox"/> Select ^	Status ^	Request Type ^	Date Submitted ^	Requestor ^	Requested for ^	Service Name ^
<input checked="" type="checkbox"/>	Success	<a href="#">Reconciliation</a>	November 23, 2025 3:51:10 PM	<a href="#">System Administrator</a>		<a href="#">TDI Feed</a>
<input checked="" type="checkbox"/>	Success	<a href="#">Restore User</a>	November 23, 2025 3:26:36 PM	<a href="#">System Administrator</a>	<a href="#">Mack Brown</a>	
<input checked="" type="checkbox"/>	Success	<a href="#">Restore User</a>	November 23, 2025 3:26:30 PM	<a href="#">System Administrator</a>	<a href="#">John Wright</a>	
<input checked="" type="checkbox"/>	Success	<a href="#">Restore User</a>	November 23, 2025 3:26:22 PM	<a href="#">System Administrator</a>	<a href="#">Jack Weight</a>	
<input checked="" type="checkbox"/>	Success	<a href="#">Restore User</a>	November 23, 2025 3:26:16 PM	<a href="#">System Administrator</a>	<a href="#">Graham Bell</a>	
<input checked="" type="checkbox"/>	Success	<a href="#">Restore User</a>	November 23, 2025 3:25:57 PM	<a href="#">System Administrator</a>	<a href="#">Dengo Goto</a>	
<input checked="" type="checkbox"/>	Success	<a href="#">Reconciliation</a>	November 23, 2025 3:21:30 PM	<a href="#">System Administrator</a>		<a href="#">LDAP inetOrgPerson Identity Feed</a>
<input checked="" type="checkbox"/>	Success	<a href="#">Reconciliation</a>	November 23, 2025 3:10:33 PM	<a href="#">System Administrator</a>		<a href="#">DSML Identity Feed</a>
<input checked="" type="checkbox"/>	Success	<a href="#">Reconciliation</a>	November 23, 2025 2:56:54 PM	<a href="#">System Administrator</a>		<a href="#">CSV Identity Feed</a>

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10. To verify that the feed is successful, click Manage Users to confirm the identities are added to the correct organizational units and locations.
11. Return to the IBM Security Directory Integrator editor and click the red square icon(  )to stop the assemblyLine.

<input type="checkbox"/> Select ^	Name ^	E-mail Ad... ^	Last Name ^	Business ... ^	Status ^
<input type="checkbox"/>	<a href="#">Frederick Saleph</a>		Saleph	<a href="#">Americas</a>	Active
<input type="checkbox"/>	<a href="#">Ivan Ayom</a>		Ayom	<a href="#">Americas</a>	Active
<input type="checkbox"/>	<a href="#">Nimrod Yosef</a>		Yosef	<a href="#">Americas</a>	Active
<input type="checkbox"/>	<a href="#">Raphael Sanchez</a>		Sanchez	<a href="#">Americas</a>	Active
<input type="checkbox"/>	<a href="#">Darla Bowmon</a>		Bowmon	<a href="#">AP</a>	Active
<input type="checkbox"/>	<a href="#">Dengo Goto</a>	<a href="#">dgoto@jke.test</a>	Goto	<a href="#">AP</a>	Active
<input type="checkbox"/>	<a href="#">Graham Bell</a>	<a href="#">gbell@jke.test</a>	Bell	<a href="#">AP</a>	Active
<input type="checkbox"/>	<a href="#">Jack Weight</a>	<a href="#">jweight@jke.t...</a>	Weight	<a href="#">AP</a>	Active
<input type="checkbox"/>	<a href="#">John Wright</a>	<a href="#">jwright@jke.test</a>	Wright	<a href="#">AP</a>	Active
<input type="checkbox"/>	<a href="#">Mack Brown</a>	<a href="#">mbrown@jke...</a>	Brown	<a href="#">AP</a>	Active
<input type="checkbox"/>	<a href="#">Brad Carlton</a>	<a href="#">bcarlton@jke...</a>	Carlton	<a href="#">Development</a>	Active
<input type="checkbox"/>	<a href="#">Tally Isham</a>	<a href="#">tisham@jke.test</a>	Isham	<a href="#">Development</a>	Active
<input type="checkbox"/>	<a href="#">Victor Newman</a>	<a href="#">vnewman@jk...</a>	Newman	<a href="#">Development</a>	Active
<input type="checkbox"/>	<a href="#">Vince Young</a>	<a href="#">vyoung@jke....</a>	Young	<a href="#">Development</a>	Active
<input type="checkbox"/>	<a href="#">Francis Bacon</a>		Bacon	<a href="#">EMEA</a>	Active
<input type="checkbox"/>	<a href="#">Ibrahim Ibn-Saud</a>		Ibn-Saud	<a href="#">EMEA</a>	Active
<input type="checkbox"/>	<a href="#">Jacob Newton</a>		Newton	<a href="#">EMEA</a>	Active
<input type="checkbox"/>	<a href="#">Tycho Braha</a>		Braha	<a href="#">EMEA</a>	Active
<input type="checkbox"/>	<a href="#">Yusuf Hussein</a>		Hussein	<a href="#">EMEA</a>	Active
<input type="checkbox"/>	<a href="#">Alice Smyth</a>	<a href="#">asmyth@jke....</a>	Smyth	<a href="#">Finance</a>	Active

<input type="checkbox"/>	<a href="#">Alice Smyth</a>	▸	asmyth@jke...	Smyth	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Ban Kulin</a>	▸		Kulin	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Barbara Greene</a>	▸		Greene	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Bob Green</a>	▸		Green	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Brent Midland</a>	▸	bmidland@jk...	Midland	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Darcy Adam</a>	▸		Adam	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Dave Bowman</a>	▸		Bowman	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Douglas Adams</a>	▸		Adams	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Edwin Abbott</a>	▸		Abbott	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Phil Lesh</a>	▸	plesh@jke.test	Lesh	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Robert Weir</a>	▸	bweir@jke.test	Weir	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Sue Thomas</a>	▸	sthomas@jk...	Thomas	<a href="#">Finance</a>	Active
<input type="checkbox"/>	<a href="#">Erica Carr</a>	▸	ecarr@jke.test	Carr	<a href="#">JK Enterprises</a>	Active

12. **Exit** IBM Security Directory Integrator editor.