opentext™

Identity Lifecycle Manager

27th Feb 2025 | Naga Prasad & Shalabh Garg

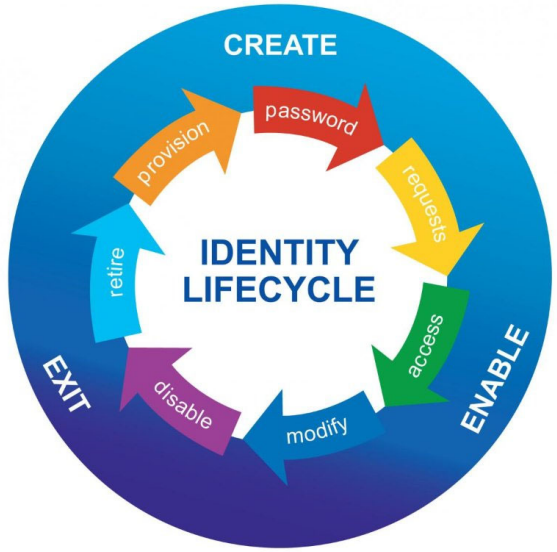
Agenda

- Identity Lifecycle Management (ILM)
  - Architecture
  - Features
    - Authorization
    - Dynamic Fulfillment Policy
    - Entitlement Support
    - Logging
  - Integration with IAM Services
    - AA Integration for Authentication
    - Identity Manager
    - Identity Governance
  - Driver Package Management
  - What's Next?
  - Q&A

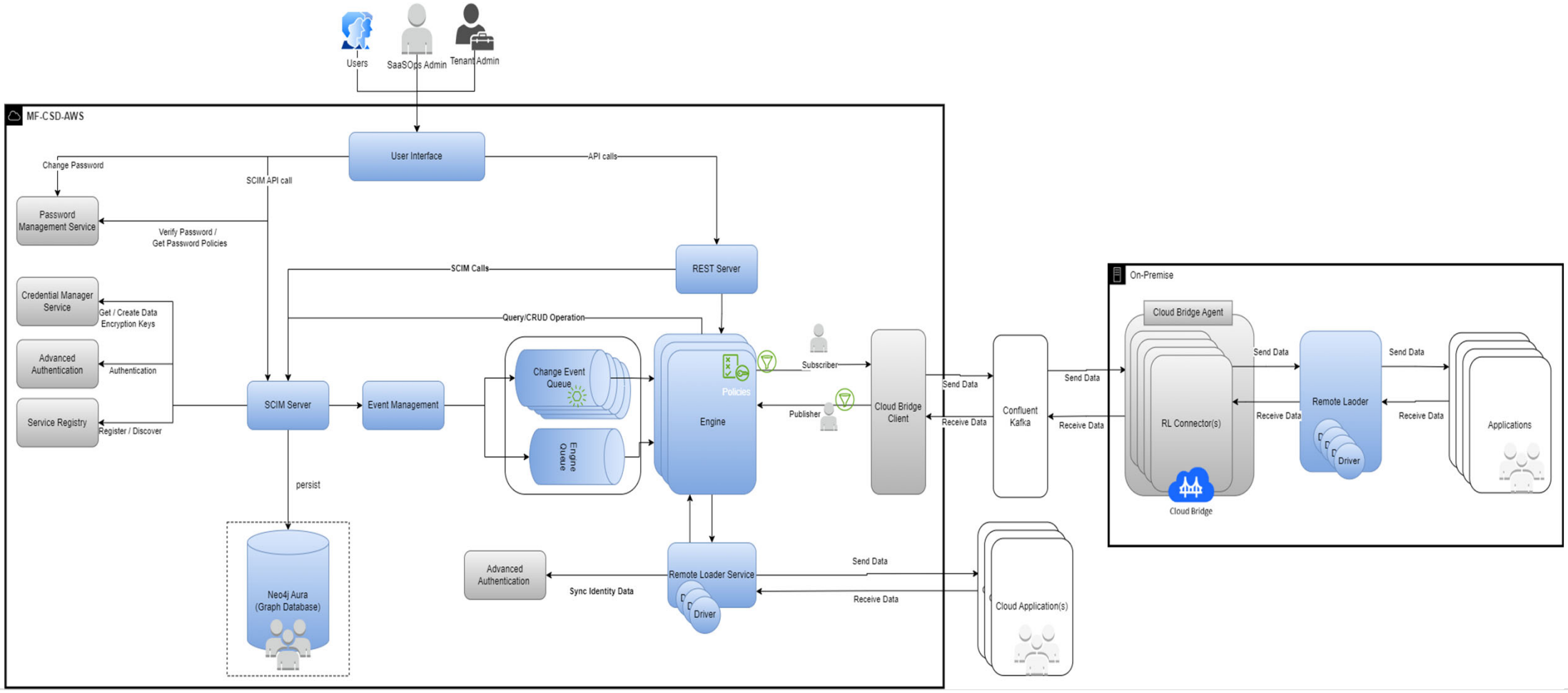
What is ILM?

Identity Lifecycle Management (ILM)

- Identity Manager as a service
- Multi-tenant service
- Connected applications off-cloud and on-cloud

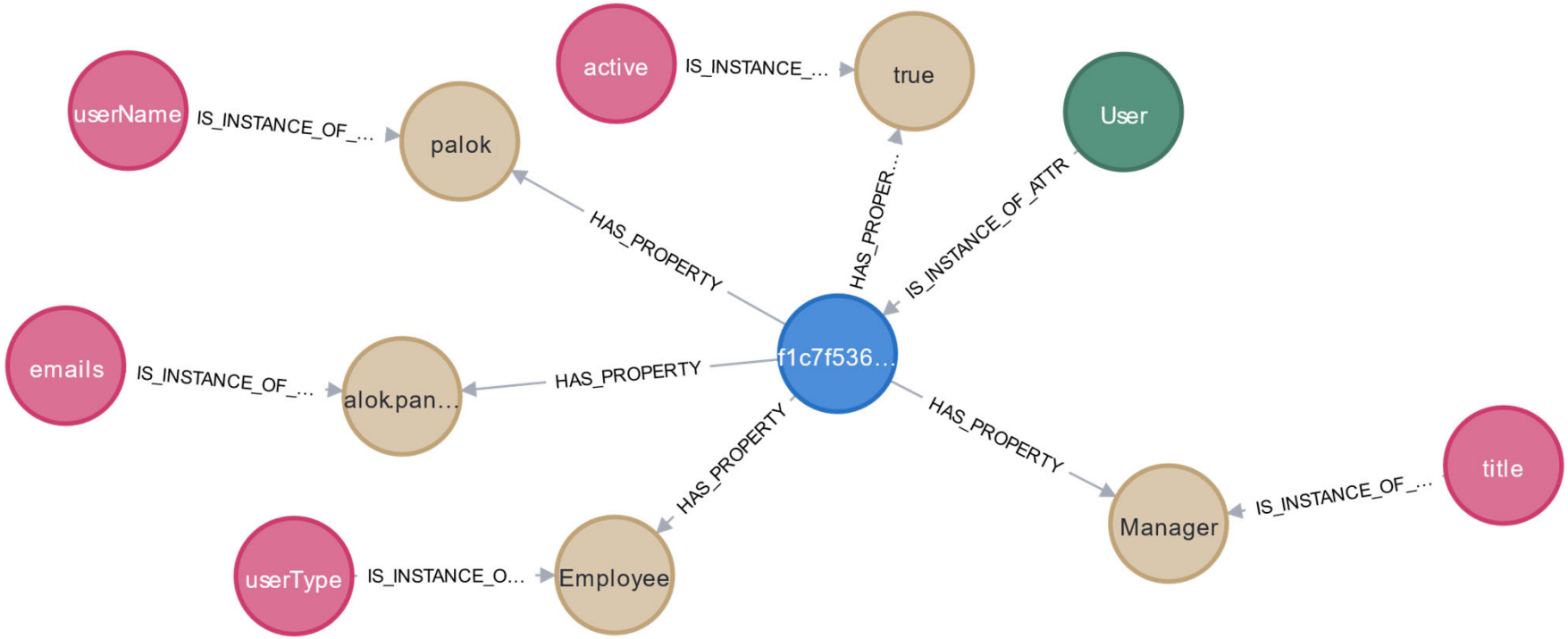


Architecture



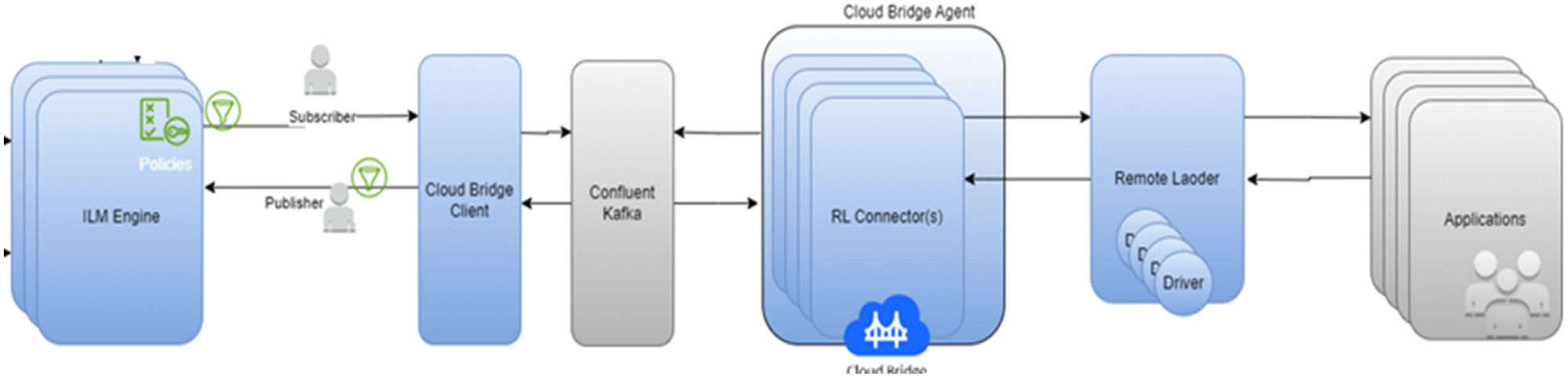
Graph Database - User Object

- Create a node for and **User** Object with Label **Object** for **ObjectType User** which **HAS_PROPERTY** from all three classes **User, EnterpriseUser, UserExt**

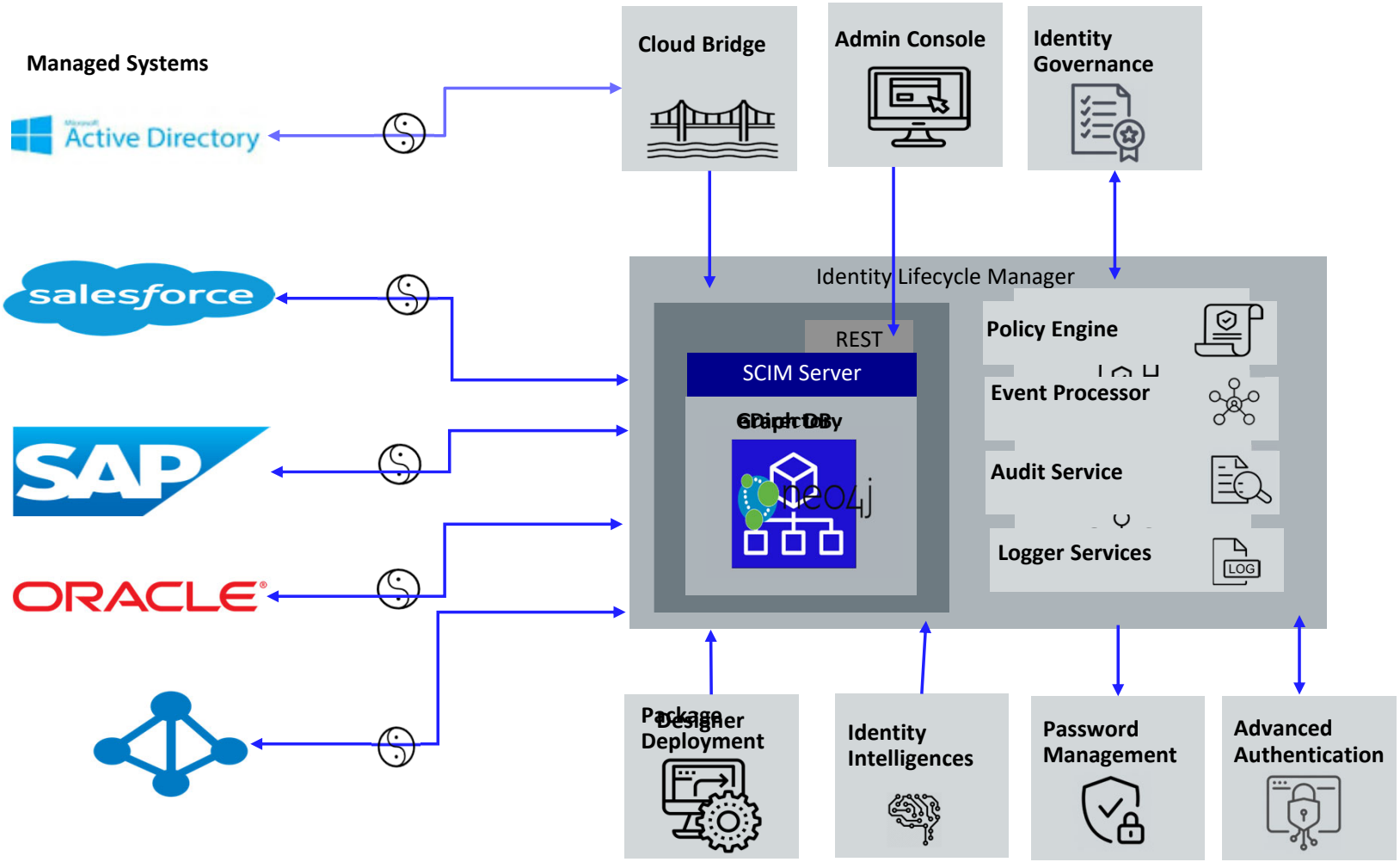


Cloud Bridge Architecture

- Secure communication to off-cloud environment
- No firewall or networking changes needed
- Reliable and scalable
- Bi-directional data flow



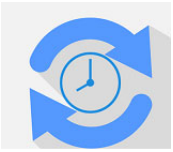
Architecture



Features

User Interface

- Modern User Interface
  - Driver Management
  - Policy Builder [25.3]
  - Identity Management
  - Schema Management
  - 360° Identity View



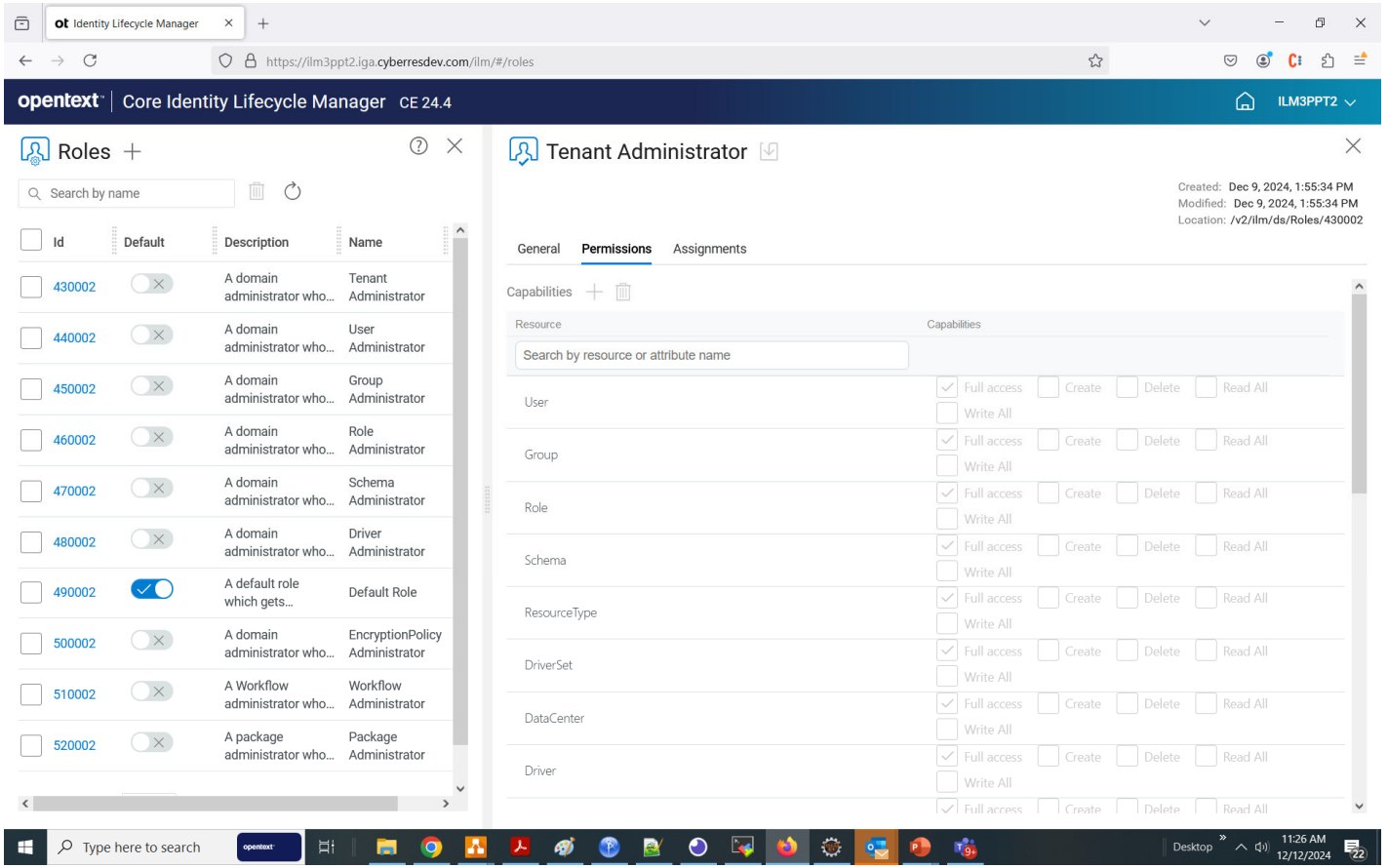
Real-Time Sync

- Near Real-time Data synchronization between connected applications
  - Attribute Authority
  - Merge Authority
- **Entitlements [25.2]**

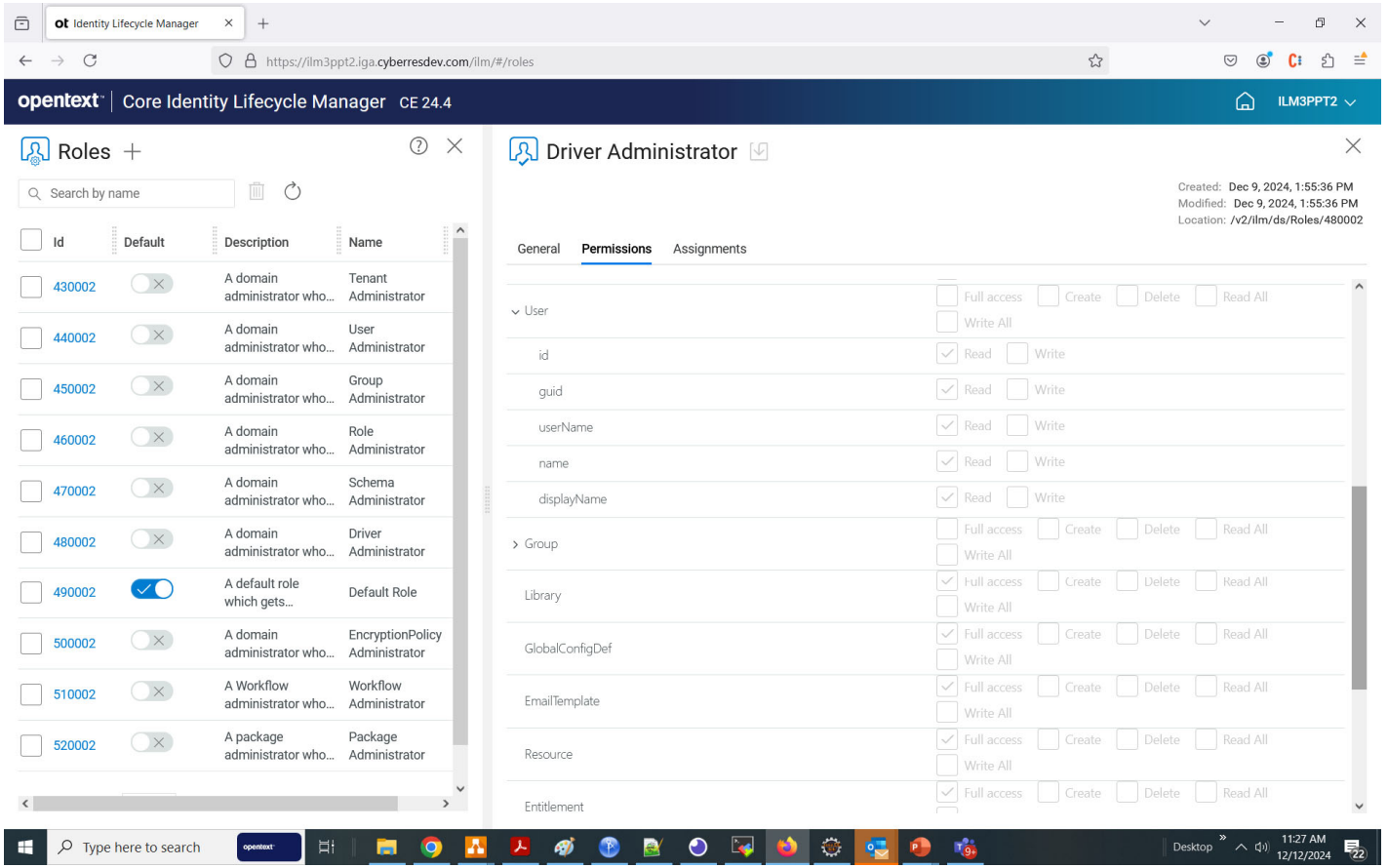
Multitenancy

- Multi-Tenant Identity Lifecycle Management
  - Engine
  - SCIM Server
  - Graph Database etc…

Authorization

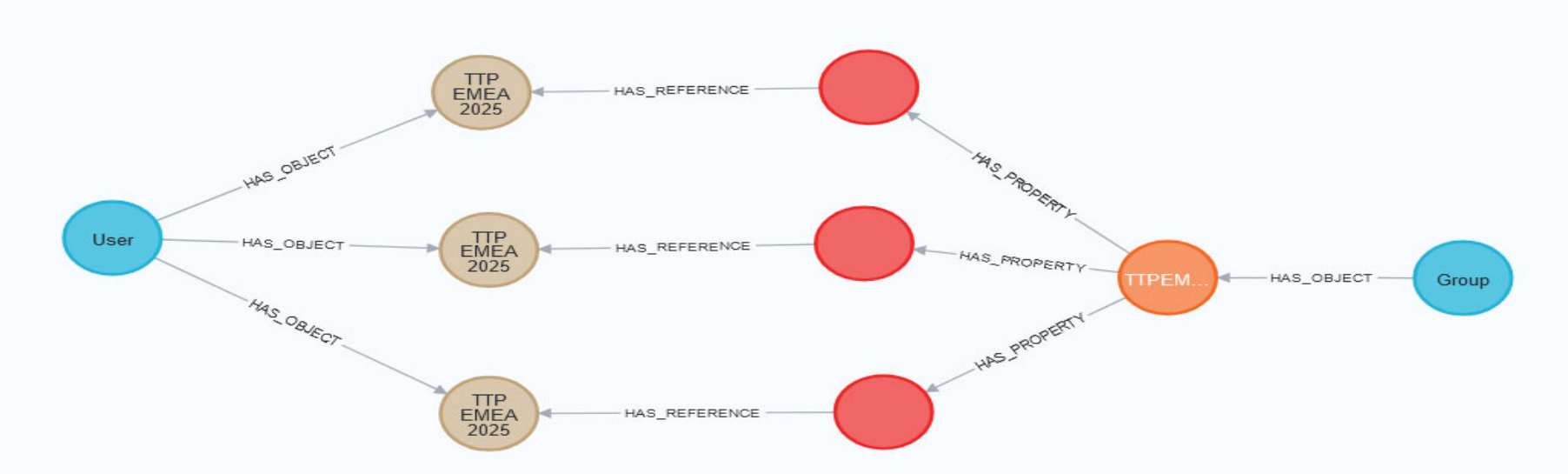


Authorization



Dynamic Fulfillment Policy

- It is a fulfillment policy based on the criteria defined in the fulfillment object
- Dynamic object membership changes will generate an event
- Membership changes will happen near real-time
- Entitlement assignments based on the membership changes



Dynamic Fulfillment Policy

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      <product edition="Advanced" version="4.8.4.0">DirXML</product>
      <contact>NetIQ Corporation</contact>
    </source>
    <input>
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            <association />
              <modify-attr attr-name="urn:ietf:params:scim:schemas:core:2.0:Group:members.$ref">
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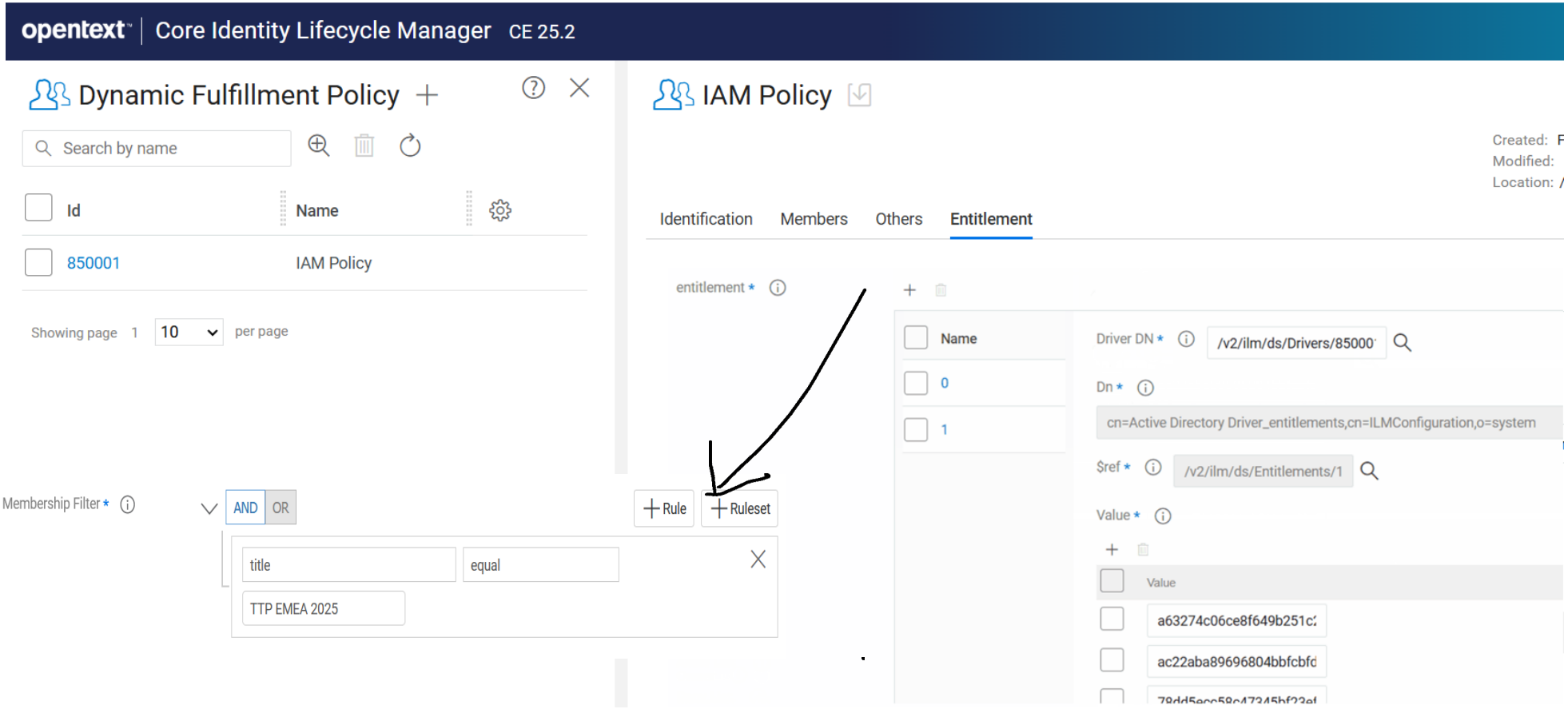
Dynamic Fulfillment Policy - Entitlements



Dynamic Fulfillment Policy - Entitlements

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<source>

  <product edition="Advanced" version="4.8.4.0">DirXML</product>

     <contact>NetIQ Corporation</contact>

</source>

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ef39751afc85" src-dn="" src-entry-id="4140001" tenant_id="896abb9f-230b-4233-a0d8-c515614f2f47" tenant_name="THOR">      <association/>

   <modify-attr attr-name="urn:ietf:params:scim:schemas:ilm:static:1.0:User:dirXMLEntitlementRef">

    <add-value>

     <value timestamp="1739963680.8695624" type="structured">
          <component name="groupDN">data\groups\DFP</component>
          <component name="namespace">1</component>
         <component name="dn">cn=UserAccount,cn=Active Directory Driver_entitlements,cn=ILMConfiguration,o=system</component>
          <component name="value">['CB.lab']</component>
          <component name="$ref">/v2/ilm/ds/Entitlements/1440001</component>
      </value>

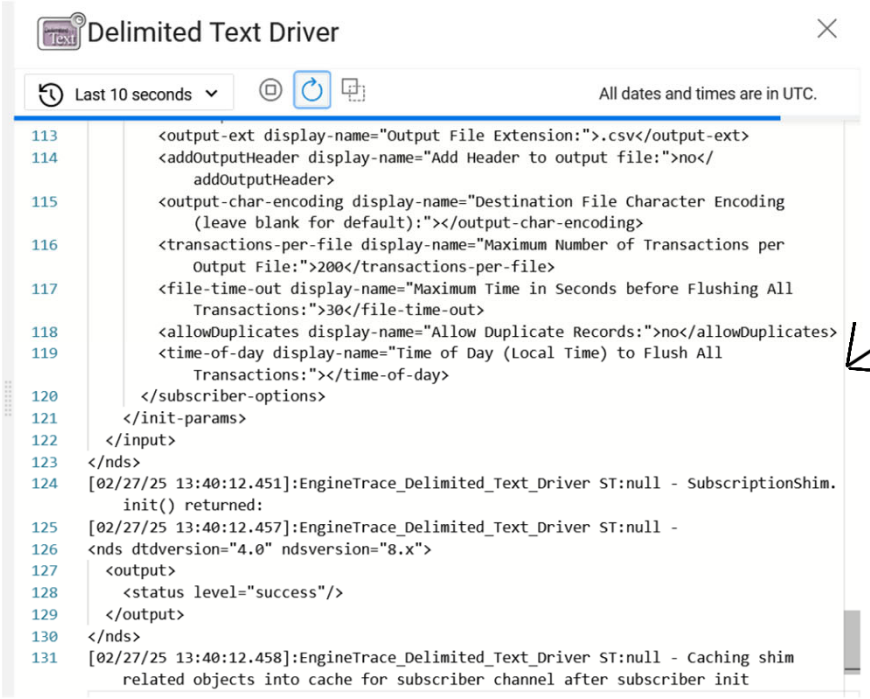
      </add-value>

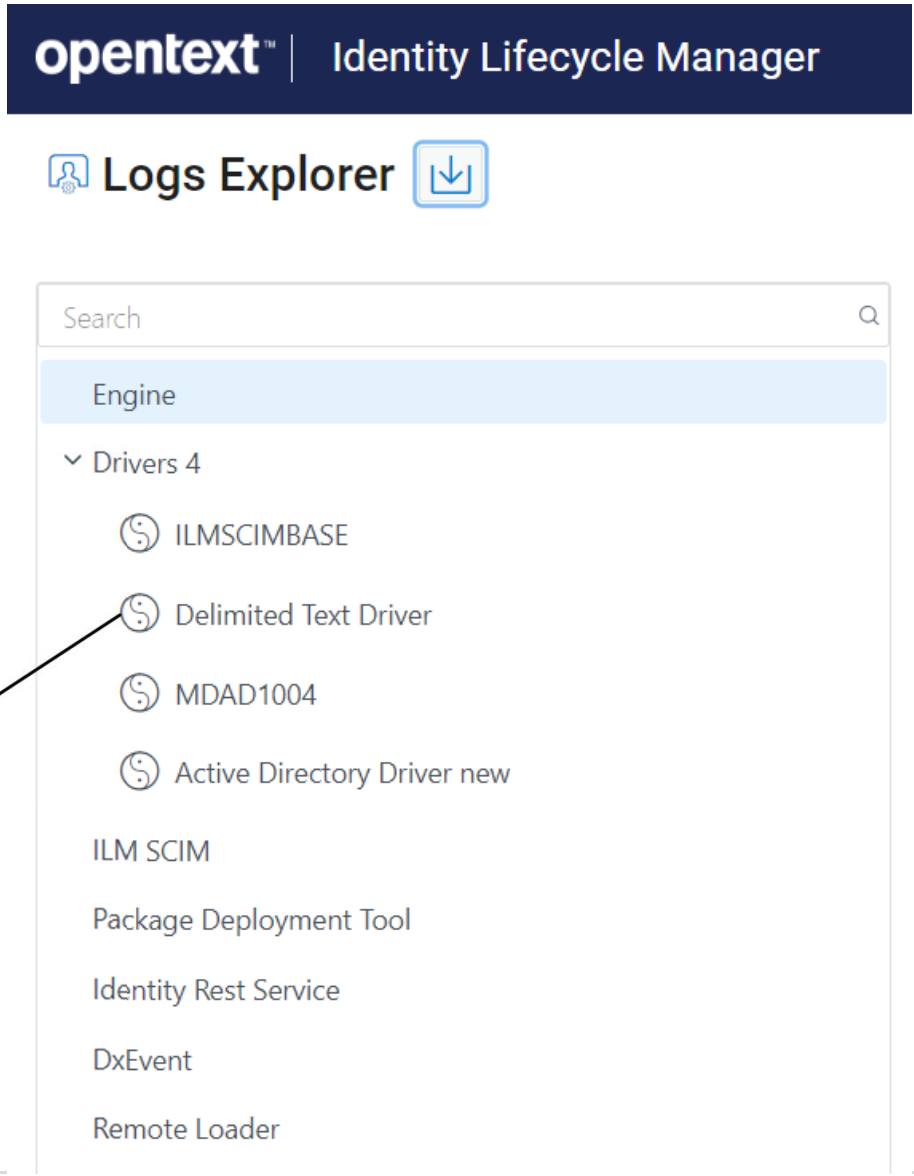
  </modify-attr>

</modify>  </input> </nds>
```

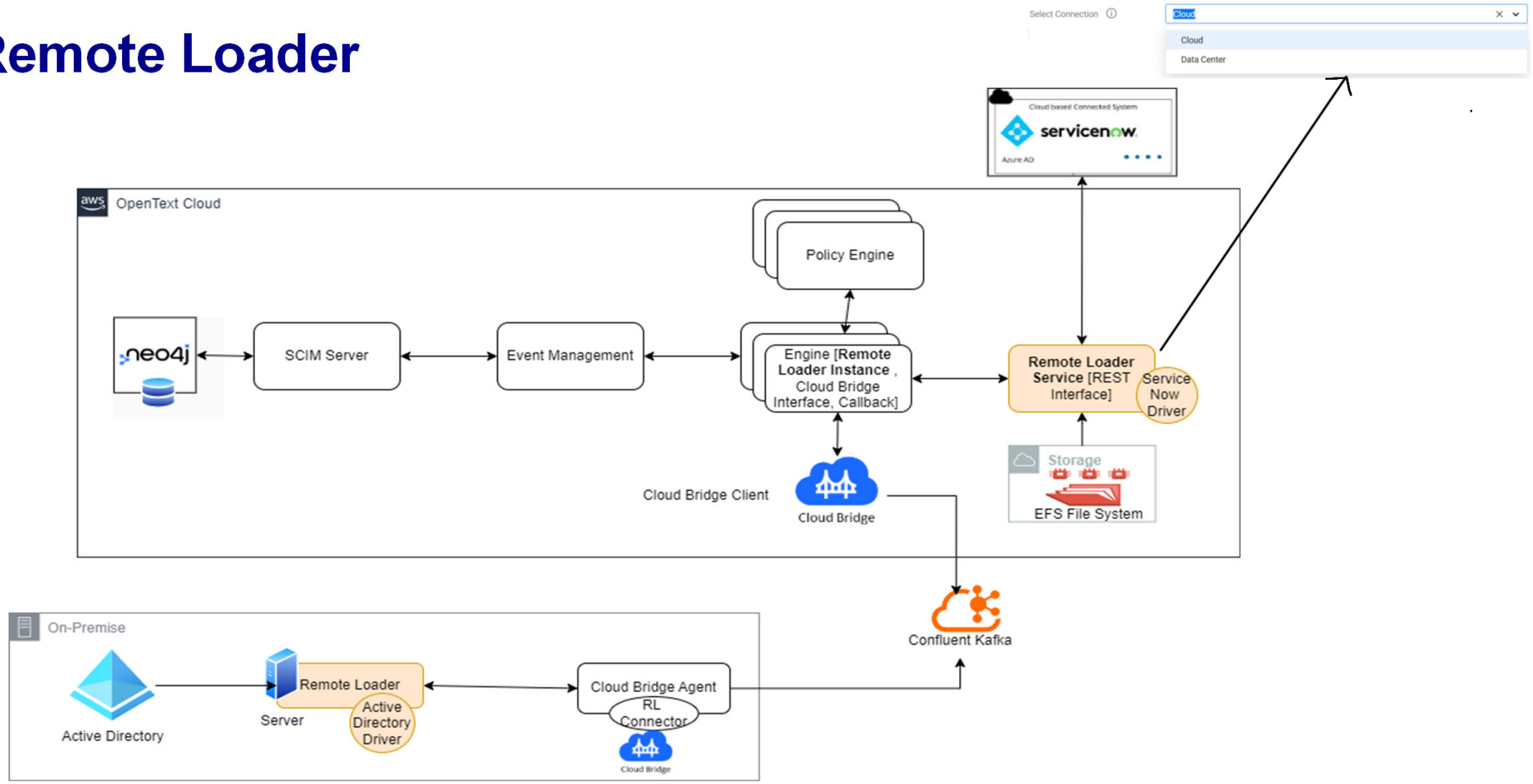
Logging

- Live Traces
- Download Log files





Remote Loader

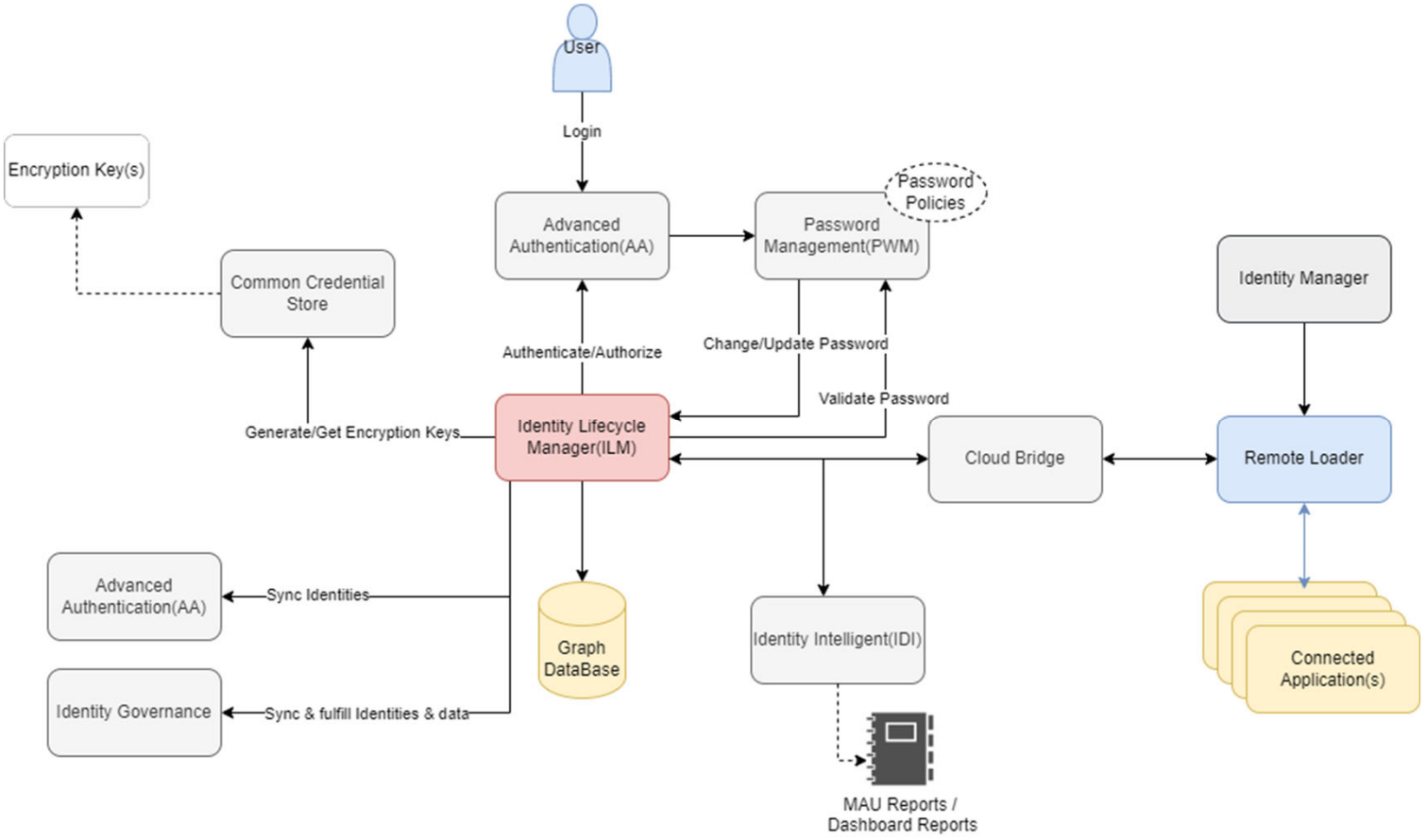


Identity Lifecycle Manager (ILM) – IAM Services Integrations

Identity Lifecycle Manager (ILM) - Integrations

- Advanced Authentication (AA)
- Cloud Bridge
- Governance (IG)
- Common Credential Store
- Password Management (PWM)
- Identity Intelligence (IDI)
- Common Authentication (AuthN)
- Identity Manager

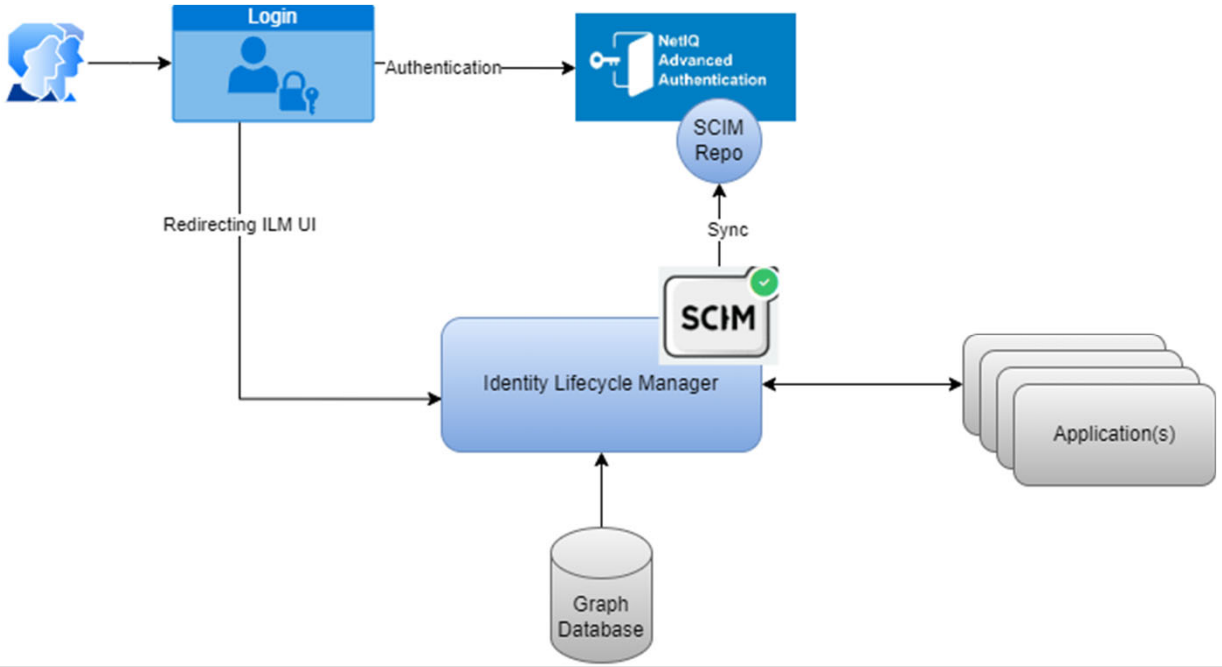
Identity Lifecycle Manager (ILM) - Integrations



Advanced Authentication Integration

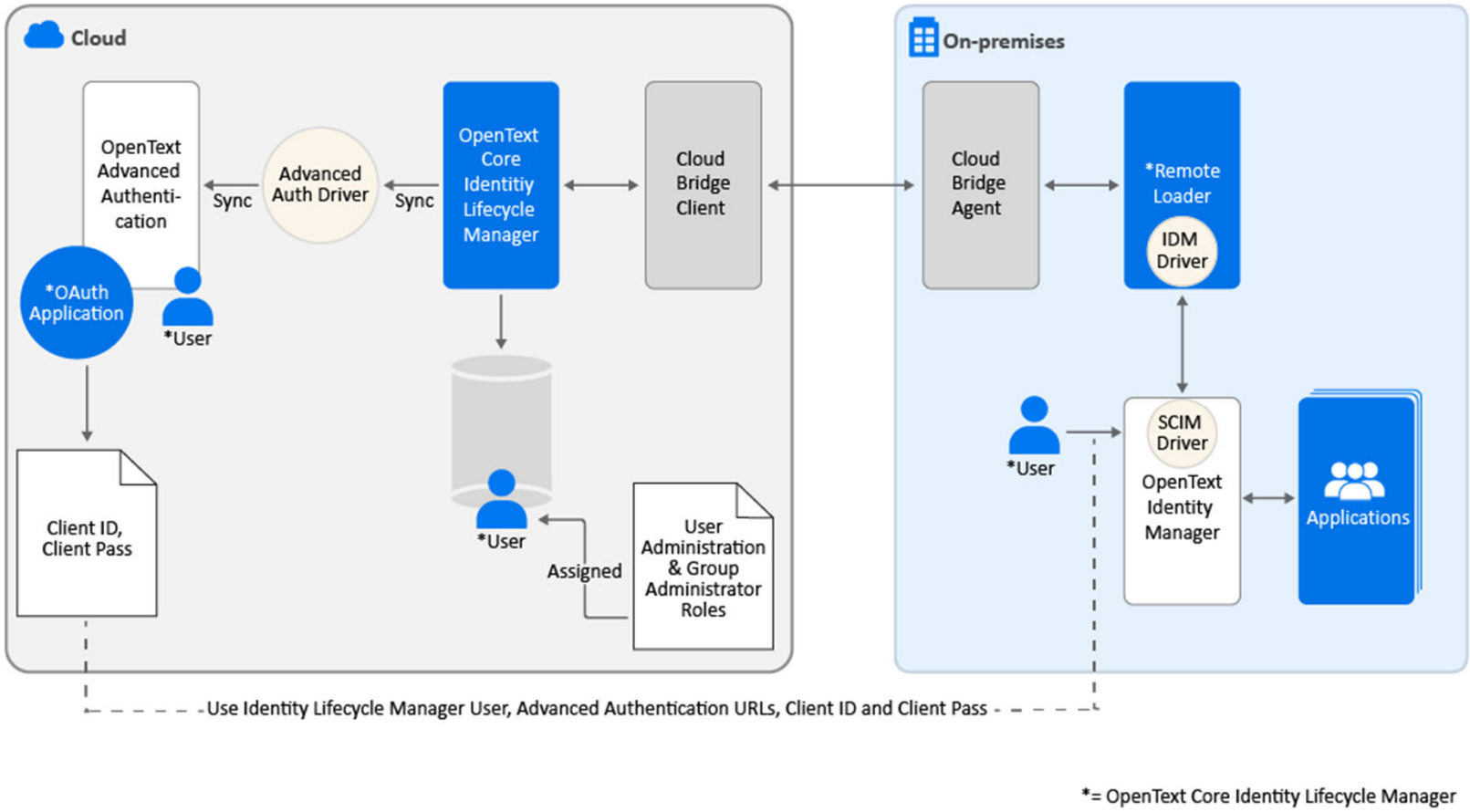
Advanced Authentication Integration

- OOTB integration with AA using the SCIM driver as a Service Driver
- Identities from ILM will get Synchronized to AA SCIM Repo
- Per Tenant we will have a separate SCIM repo in the AA Tenant



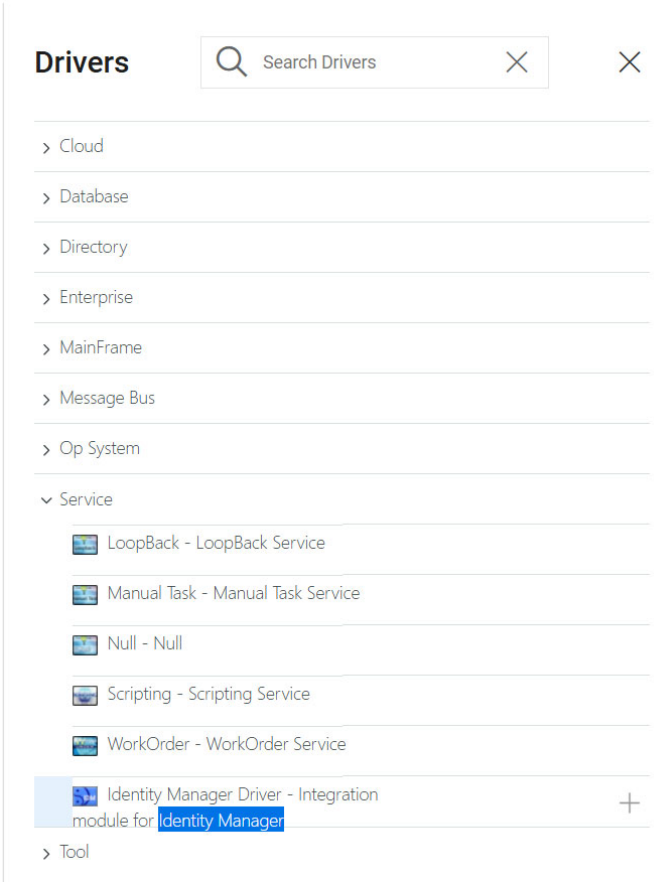
Identity Manager Integration

Identity Manager Integration



*= OpenText Core Identity Lifecycle Manager

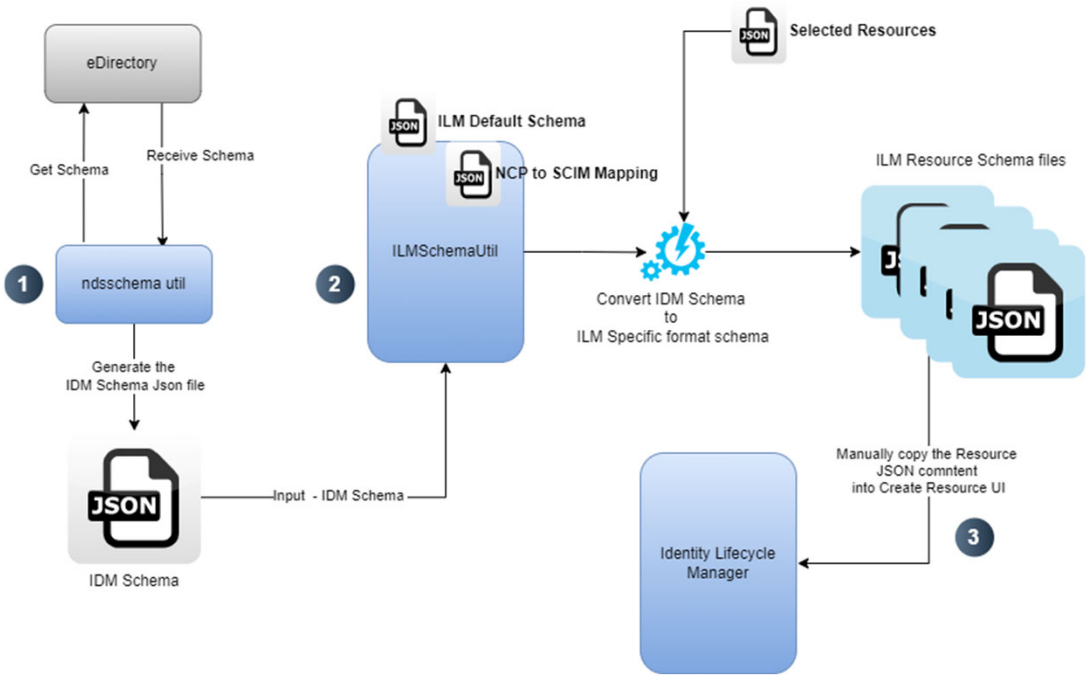
Identity Manager Integration Driver



Schema Migration Utility

- Automated utility
- Converts existing IDM schema into ILM schema

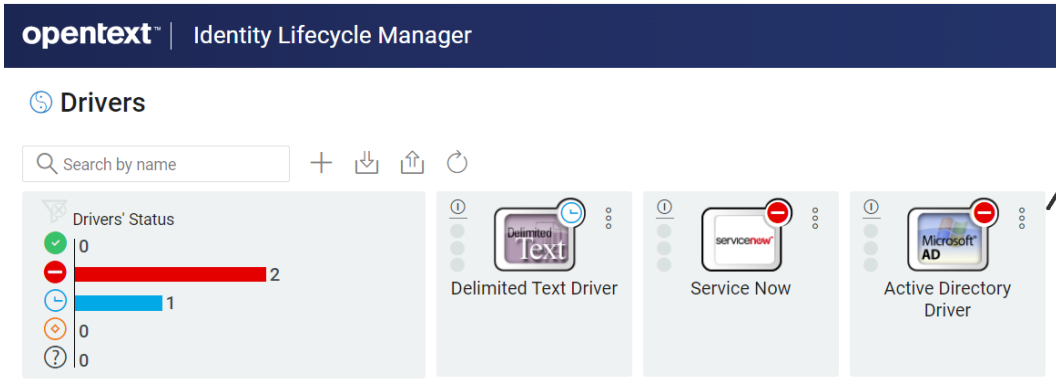
Note: Need to run in IDM environment

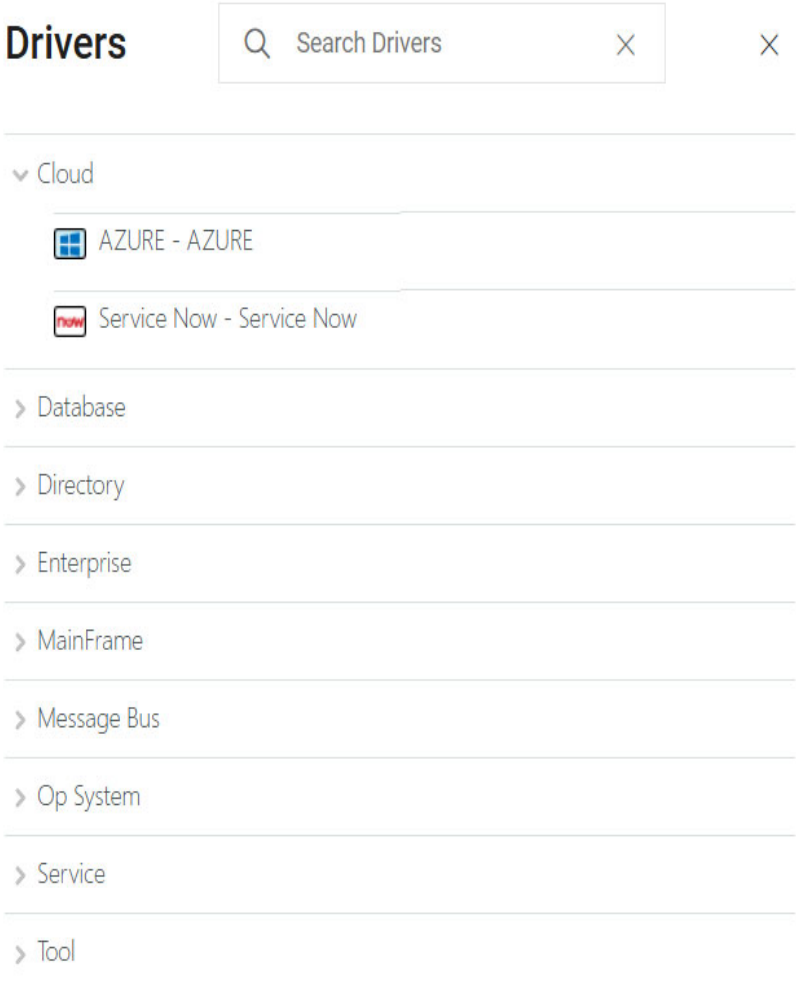


Drivers

Drivers

- All the Identity Manager Drivers are supported



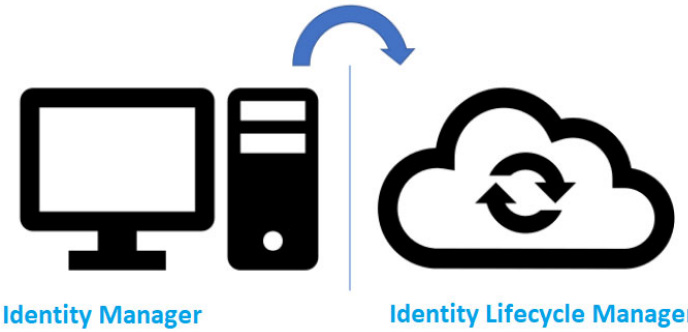


How to Migrate?

Migration

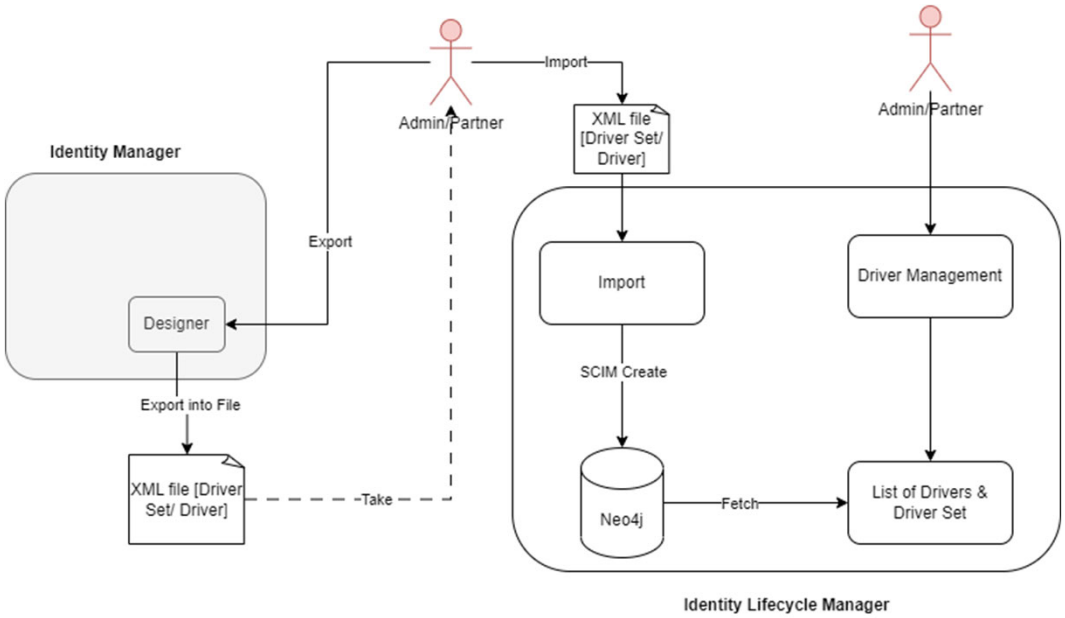
- Export Configuration
- Import configuration to ILM
- Onboard Identities through cloud bridge

Migration of existing IDM Customers to ILM.



IDM configuration migrating to ILM

- Customers with a seamless transition and migration to managed ILM service
- Create the custom schema in ILM [i.e., User/Group custom attributes or custom resource]
- Make sure all the existing NCP Schema or Schema attributes should be mapped with SCIM schema or Schema attributes.
- Export driver set as an XML.
- Import the driver set XML into ILM using the import option in the ILM user interface.
- Change the required driver configuration [Like Remote Loader configuration]
- Enable the driver(s) and start driver(s).
- Once all the drivers are up and running, we can verify the functionalities.



Driver Migration changes

- Active Directory
  - useCloudBridge
  - Remote Loader Configuration: Agent, Datacenter connection Id, Host & Port
- Oracle Internet Directory(LDAP)
  - useCloudBridge
  - Remote Loader Configuration: Agent, Datacenter connection Id, Host & Port
- Delimited Text Driver(DTD)
  - useCloudBridge
  - Remote Loader Configuration: Agent, Datacenter connection Id, Host & Port

Driver packages Migration?

Package Migration Tool

- Converts existing Identity Manager packages to Identity Lifecycle Manager (ILM) packages.

IDM Package Conversion Tool

The tool is to generate Driver packages for Identity Lifecycle Manager (ILM) from existing Identity Manager packages (IDM).

The tool handle following cases:

1. Rename Driver Packages specific to ILM.
2. Change Package Short name to ILM specific.
3. Update the version of packages to 1.0.0 since it is initial release.
4. Update package unique identifier.
5. Update package vendor name to "OpenText".
6. Removes prompt which are applicable to ILM.
    a. CPRS and Entitlement.
    b. Designer upgrade.
    c. Driver upgrade.
    d. Notification.
7. Update packages resources to align with package short name.
8. Reformat Remote Loader Prompts in accordance with ILM.
    a. Remote Loader parameters
    b. Cloud Bridge parameters.
9. Update attributes in packages to ILM Specific.
    a. User
    b. Group
    c. Custom Resources
10. Update Plugin and manifest version.
11. **Data Collection, Account Tracking, Entitlements, Managed System Gateway Information packages are not supported for 1.0.**

How to generate Identity Lifecycle Manager packages?

1. Get the latest IDM Drivers package version. (For all driver packages that need to be updated).

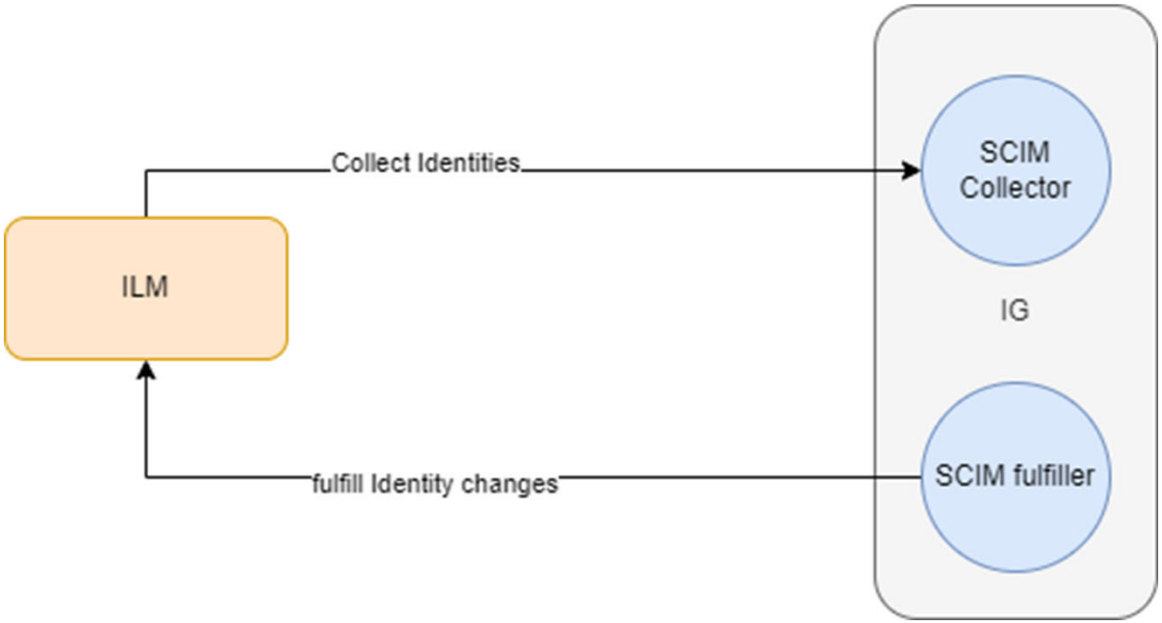
2. Place all the packages in a folder.

Example: C:\Users\Documents\Developer files\Package Changes for ILM\Package Changes for ILM\IDM Packages

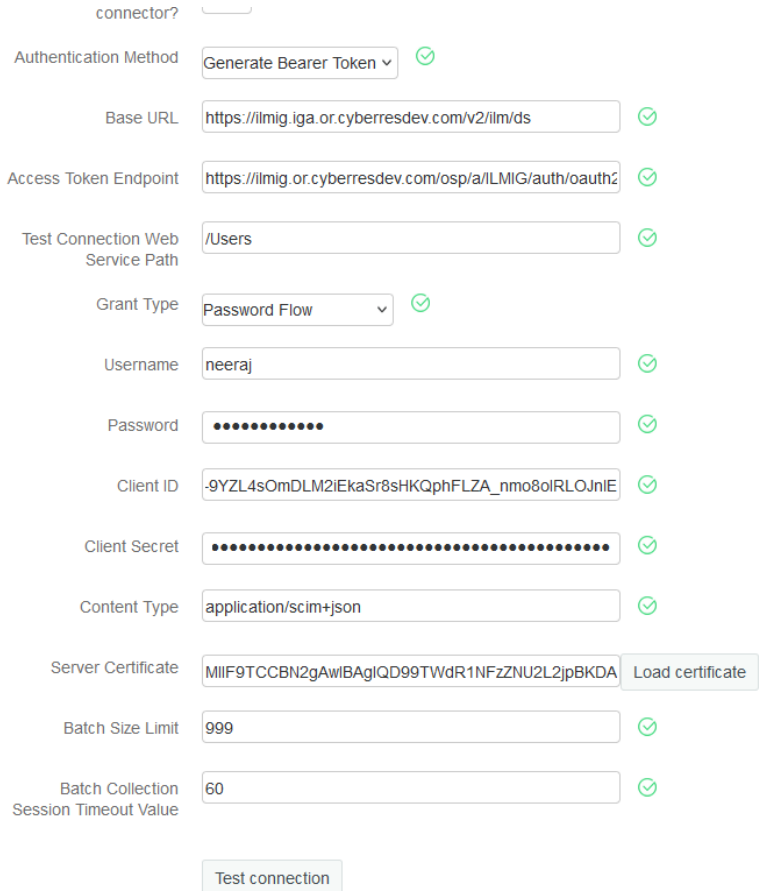
3. Run **script.py** using any of the editor. (Visual studio, PyCharm, command prompt etc.,) Please refer to readme for more details.

Identity Governance Integration

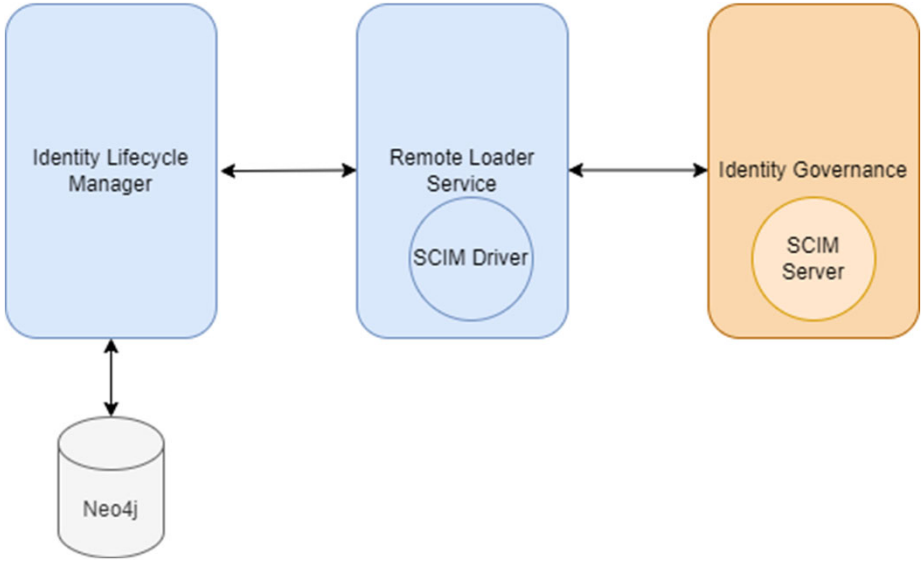
Identity Governance Integration - Current



Identity Governance Integration

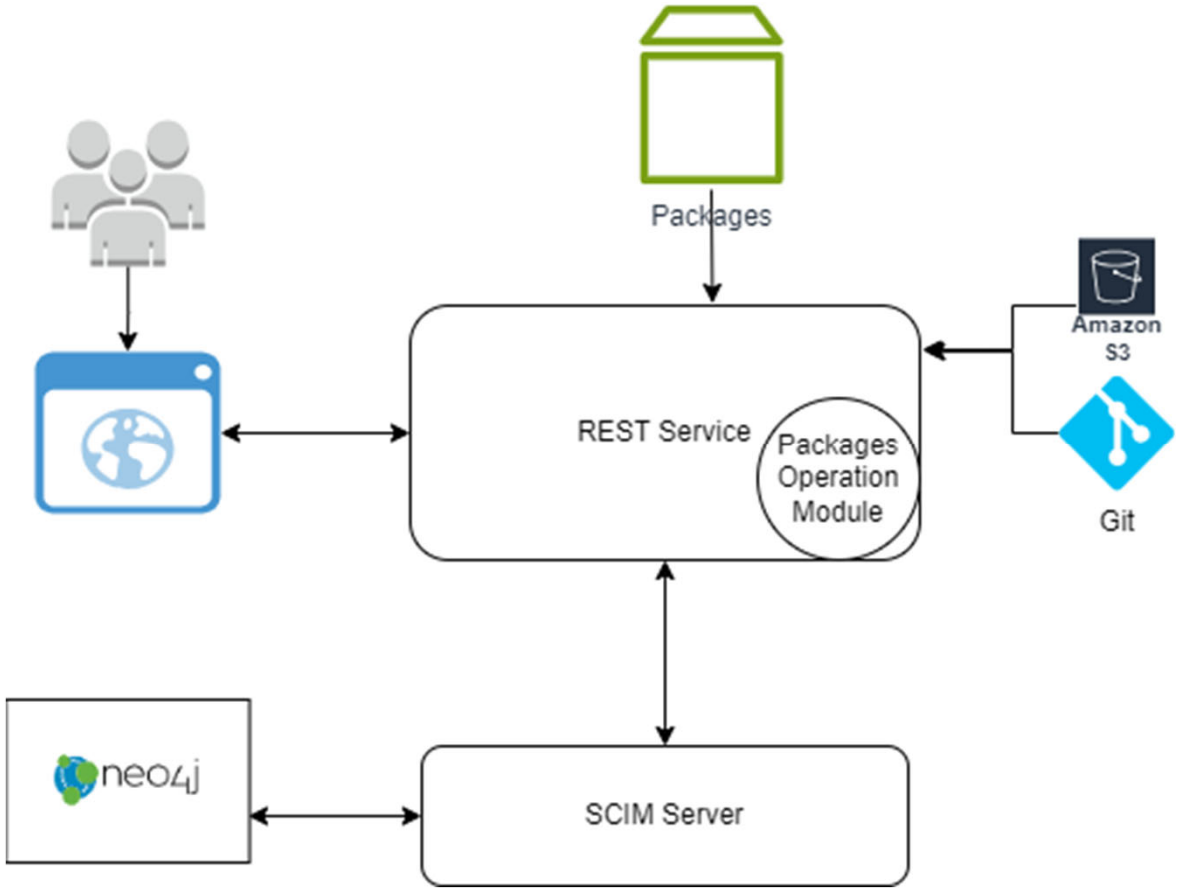


Identity Governance Integration - Future

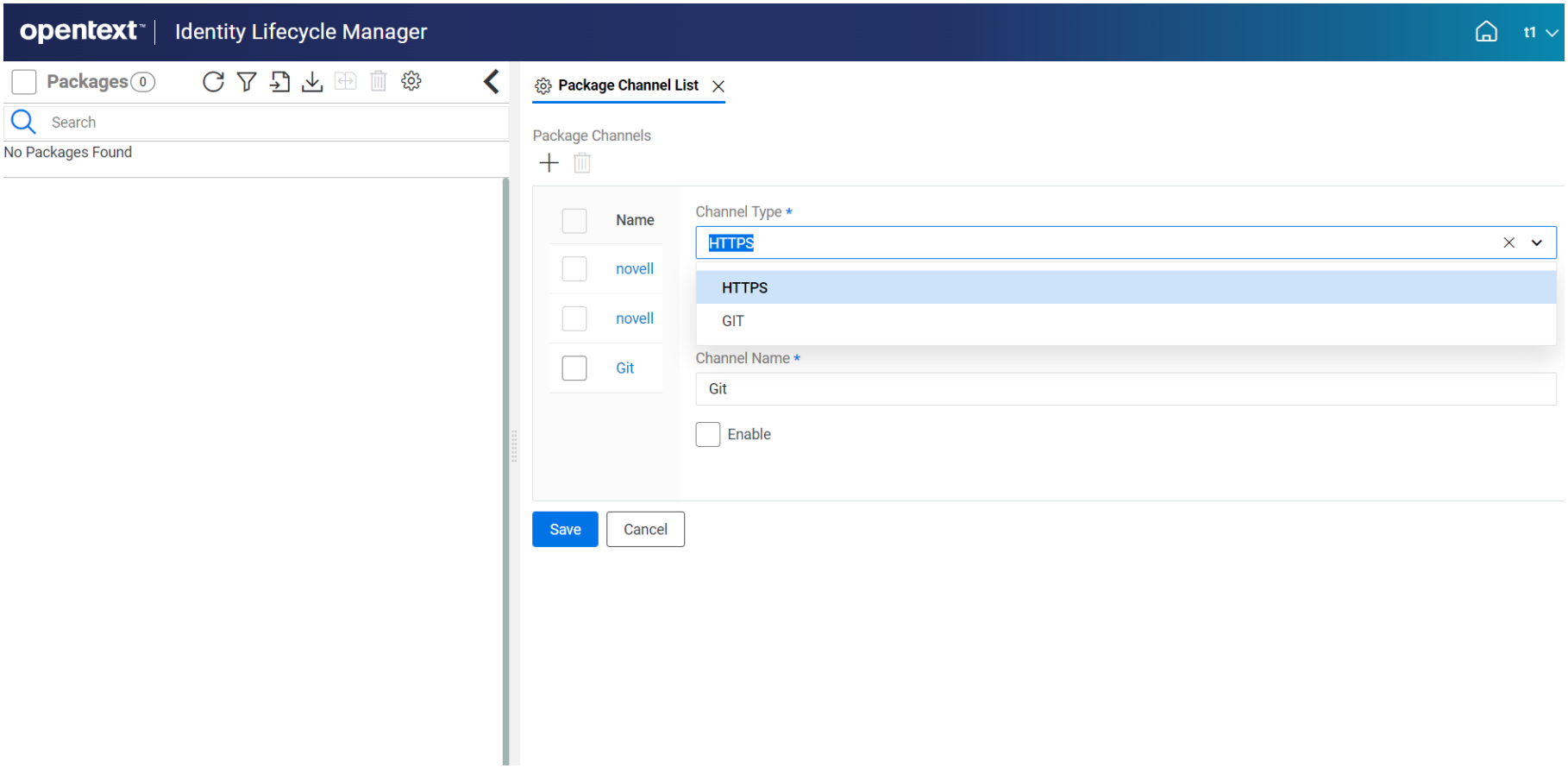


Driver Package Management

Driver Package Management



Driver Package Management



What's Next?

Q&A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