RSA Via L&G Collector Data Sheet
for
Oracle Identity Manager (OIM)
Version 11.1.1.3.0 (Release 1)

Table of Contents

Purpose

This datasheet provides the configuration information required to create a new Oracle Identity Manager Release 1 Identity Data Collector, Account Data Collector, Entitlement Data Collector and Role Data Collector.

Supported Software

RSA Via L&G Version: 6.9.1 *and above*

Application: Oracle Identity Manager Release 1

Collector Types: Identity Data Collector (IDC), Account Data Collector (ADC), Entitlement Data Collector (EDC),

Role Data Collector (RDC)

Identity Data Collector

Prerequisites

Note: OIM_HOME is placeholder for the directory where OIM is installed.

Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download open source jar file **xercesImpljaxb.jar**

> Note:
>
> If wlfullclient.jar file is not present on specified location, you will have to generate it using following steps:
>
> 1. Open a command prompt and change directory to WL_HOME/server/lib: cd %WL_HOME%/server/lib
>
> 2. Use the following command to create wlfullclient.jar in the WL_HOME/server/lib directory: **java -jar wljarbuilder.jar**
>
> 3. You can now download wlfullclient.jar.

For consuming OIM Client APIs, JAAS related configurations are required:

JBOSS [For RSA Via L&G: 6.9.1 and Patch Versions.]

1. Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:
   <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130IdentityCollector1/lib

2. Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:
   <JBOSS_HOME>/server/default/deploy/aveksa.ear/APP-INF/lib
   <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130IdentityCollector1/lib

3. Add following JAAS configuration in ${JBOSS_HOME}/server/default/deploy/aveksa.ear/security.sar/META-INF/config/login-config.xml file:

```
<application-policy name="xellerate">
        <authentication>
                <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>
        </authentication>
</application-policy>
```

WildFly [For RSA Via L&G: 7.0 and above]

1. Modification in $<Wildfly_Home>/standalone/configuration/aveksa-standalone-full.xml
   Default Wildfly home for linux is /home/oracle/wildfly

   Adding a security domain :

   - Locate this
     <subsystem xmlns="urn:jboss:domain:security:1.2">

     <security-domains>

     </security-domains>

     </subsystem>

   - Add this following content in between the security-domains tags
     <security-domain name="xellerate">

     <authentication>

     <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>

     </authentication>

     </security-domain>

2. Create a new folder
   mkdir /tmp/aveksa.ear

3. Unzip aveksa.ear to /tmp/aveksa.ear
   unzip -q -X /tmp/repackaged_ear_dir/aveksa.ear -d /tmp/aveksa.ear

4. Copy downloaded wlfullclient.jar file to
   - /tmp/aveksa.ear/APP-INF/lib
   - /tmp/aveksa.ear/aveksa.war/ OIM111130IdentityCollector1/lib
5. Copy the wlclient.jar file to
   - /tmp/aveksa.ear/aveksa.war/OIM111130IdentityCollector1/lib

6. Copy xercesImpljaxb.jar file (a open source jar) to
   - /tmp/aveksa.ear/APP-INF/lib

Note: *Please refer the known issues before performing above step No.6

7. Modification in /tmp/aveksa.ear/aveksa.war/WEB-INF/jboss-web.xml
    - Locate this

      <jboss-web>

      </jboss-web>

    - Add following content in between the tags

      <security-domain>java:/jaas/xellerate</security-domain>

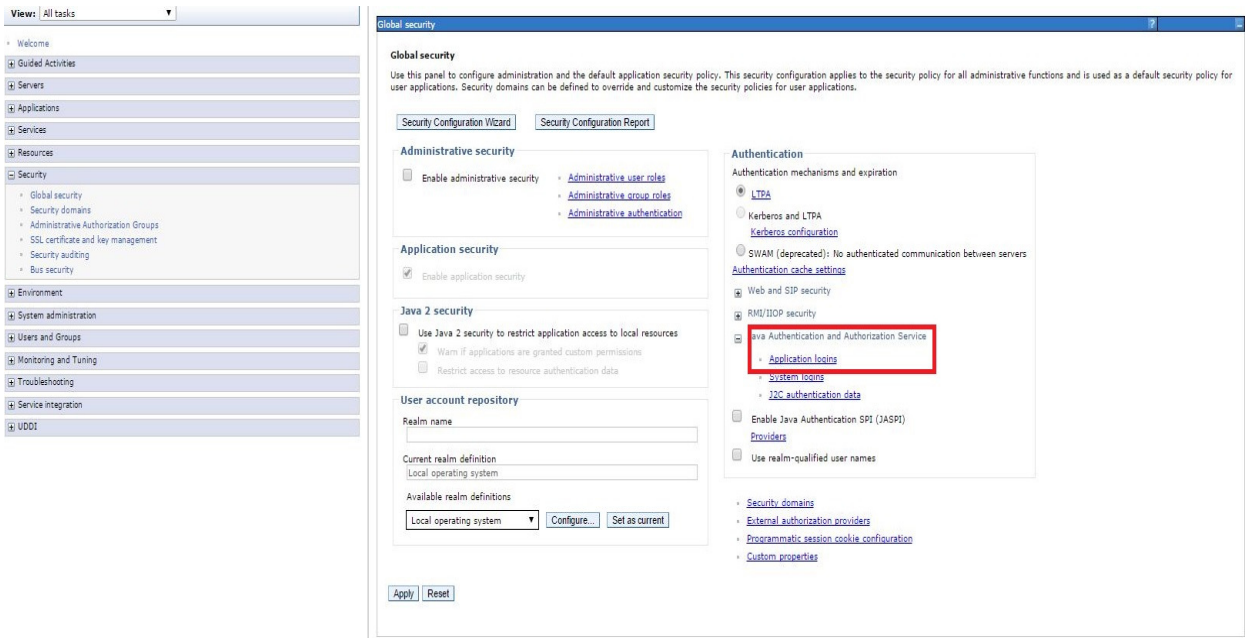
8. Repackage the aveksa.ear after steps 4, 5,6 and 7 are complete.
   cd /tmp/aveksa.ear
   zip -q -r -u /home/oracle/aveksa.ear *
9. Restart the server.
   service aveksa_server restart
10. Undeploying aveksa.ear

    /home/oracle/wildfly/bin/jboss-cli.sh -c --command="undeploy aveksa.ear"

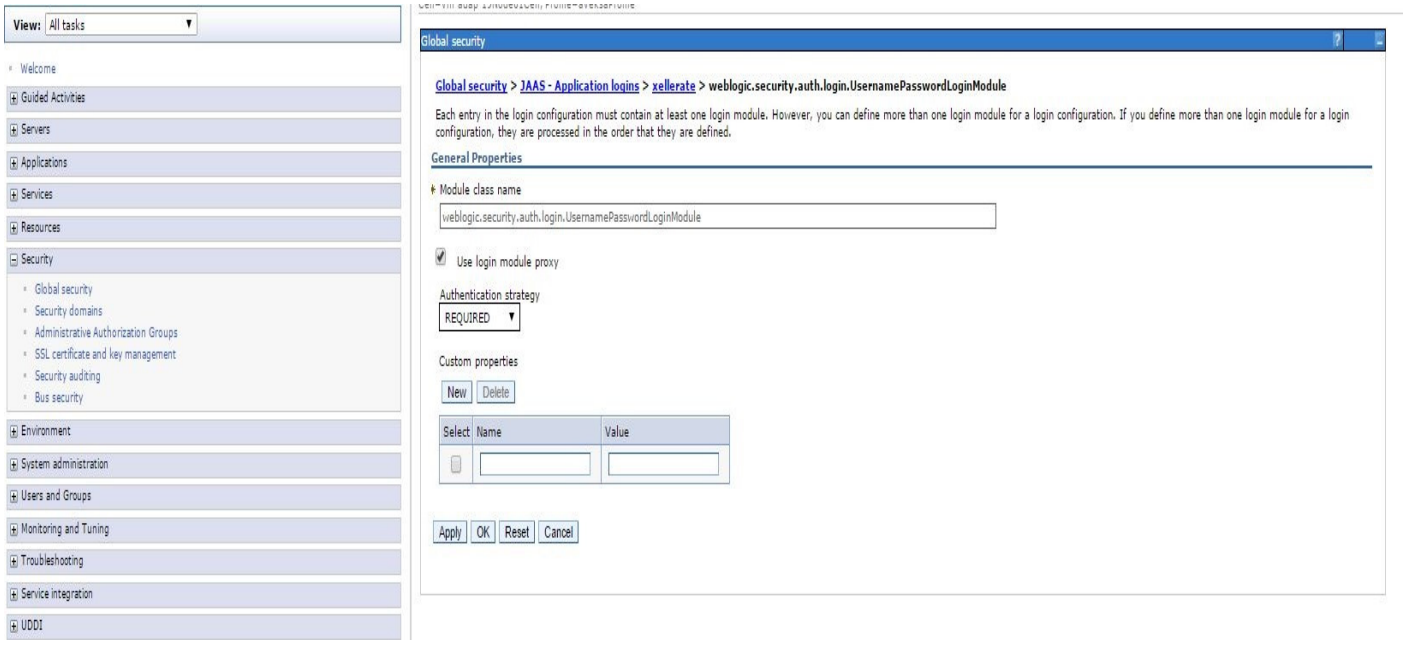
11. Deploying aveksa.ear
    /home/oracle/wildfly-8.2.0.Final/bin/jboss-cli.sh -c --command="deploy /home/oracle/aveksa.ear --force"
12. Delete the temporary directory /tmp/aveksa.ear

WebSphere [For RSA Via L&G: 6.9.1 and above]

1. Login to WebSphere admin console.
2. Navigate to Security-> Global security-> Java Authentication and Authorization Service-> Application logins.



3. Click ‘New’ to add new Login module.
4. Enter the ‘Alias’ as **xellerate**.
5. In JAAS login modules: Click ‘New’ to add the module class name.
6. Enter ‘Module class name’ as **weblogic.security.auth.login.UsernamePasswordLoginModule.**
7. Check the ‘Use login module proxy’ checkbox.
8. Select the ‘Authentication strategy’ as R**equired**.



9. Click ‘Apply’ and ‘OK’.
10. Save the changes to master configuration.
11. Add the wlfullclient.jar at following locations :

- $<aveksa.ear>/APP-INF/lib
- $<aveksa.ear>/aveksa.war/OIM111130IdentityCollector1/lib

12. Add wlclient.jar at following location :
    - $<aveksa.ear>/aveksa.war/OIM111130IdentityCollector1/lib
13. Restart the WAS Server using following command.
    /home/oracle/AFX/afx stop
    /opt/IBM/WebSphere/AppServer/bin/stopServer.sh server1
    /opt/IBM/WebSphere/AppServer/bin/startServer.sh server1
    /home/oracle/AFX/afx start

Privileges required for Service Account

ACM & AFX applications need to access OIM using the OIM Client APIs and therefore require an authenticated session. Create a special user (integration user) in the OIM, solely for integration purposes. This will ensure that, even if an actual user is removed from the system, there will always be a user with the correct permissions available.

Add this user as a member of the following role:

- "Administrators"

Configuration

The configuration of the Identity data Collector is completed through a number of screens. This section helps you to fill in the values for each screen.

Collector Description

The following table lists the parameters on the “Collector Description” screen, while creating the Collector.

Field Name	**Value**
Collector Name	OIM Identity Data Collector
Description	OIM Identity Data Collector for version 11.1.1.3.0
Data Source Type	Oracle Identity Manager Ver. 11.1.1.3.0
Agent	AveksaAgent
Directory	Select already created Directory. If you have not created any directory then create any directory from Resource > Directory.

Status	Active
Copy from	Select already created OIMR1 IDC collector If you want to copy details from it.
Scheduled	Select Yes if you want to schedule collector.

Configuration Information

The following table lists the parameters on the "Configuration Information" screen, while creating the Collector.

Field Name	**Value**
OIM Url	URL of the App Server where OIM is deployed. For example, t3://<SERVER_HOST>:14000
OIM Username	Login Id of the user created for integration
OIM Password	Password for the user created for integration
Context Factory	Context Factory used to initialize the connection to OIM. (Default: *weblogic.jndi.WLInitialContextFactory)*
Configuration file	Path to the authentication configuration file containing authentication module details. (Optional)

Map Collector Attributes to User Attributes

The following table lists the parameters on the "Map Collector Attributes to User Attributes" screen, while creating the Collector.

Field Name	**Value**
First Name	First Name
Last Name	Last Name
User Id	User Login

Department	act_key
Email Address	Email
Job Status	Status

Attribute Evaluation

Field Name	**Value**
Business Unit Id	NAME

Known Issues

- For the OIM Collector to work, the xercesImpljaxb.jar has to be in placed at the location mentioned - Pre-requisites->JAAS configuration->For WildFly server->Step 6
  However, Once this jar is added, the "Reports" module within RSA-IMG cannot be used.
  With this limitation, either OIM Collector or the Reports Module will work at a time.

Account Data Collector

Prerequisites

Note: OIM_HOME is placeholder for the directory where OIM is installed.

Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download opensource jar file **xercesImpljaxb.jar**

> Note:
>
> If wlfullclient.jar file is not present on specified location, you will have to generate it using following steps:
>
> 1. Open a command prompt and change directory to WL_HOME/server/lib: cd %WL_HOME%/server/lib
>
> 2. Use the following command to create wlfullclient.jar in the WL_HOME/server/lib directory: **java -jar wljarbuilder.jar**
>
> 3. You can now download wlfullclient.jar.

For consuming OIM Client APIs, JAAS related configurations are required:

JBOSS [For RSA Via L&G: 6.9.1 and Patch Versions.]

4. Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:

   <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130AccountCollector1/lib

5. Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:

   <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130AccountCollector1/lib
   <JBOSS_HOME>/server/default/deploy/aveksa.ear/APP-INF/lib

6. Add following JAAS configuration in ${JBOSS_HOME}/server/default/deploy/aveksa.ear/security.sar/META-INF/config/login-config.xml file:

```
<application-policy name="xellerate">
        <authentication>
                <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>
        </authentication>
</application-policy>
```

WildFly WebServer: [For RSA Via L&G: 6.9.1 and above]

13. Modification in $<Wildfly_Home>/standalone/configuration/aveksa-standalone-full.xml
    Default Wildfly home for linux is /home/oracle/wildfly

    Adding a security domain :

- Locate this
  <subsystem xmlns="urn:jboss:domain:security:1.2">

  <security-domains>

  </security-domains>

  </subsystem>

- Add this following content in between the security-domains tags
  <security-domain name="xellerate">

  <authentication>

  <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>

  </authentication>

  </security-domain>

14. Create a new folder
    mkdir /tmp/aveksa.ear

15. Unzip aveksa.ear to /tmp/aveksa.ear

    - unzip -q -X /tmp/repackaged_ear_dir/aveksa.ear -d /tmp/aveksa.ear

16. Copy downloaded wlfullclient.jar file to
    - /tmp/aveksa.ear/APP-INF/lib
    - /tmp/aveksa.ear/aveksa.war/OIM111130AccountCollector1/lib

17. Copy the wlclient.jar file to
    - /tmp/aveksa.ear/aveksa.war/OIM111130AccountCollector1/lib

18. Copy xercesImpljaxb.jar file (a open source jar) to
    - /tmp/aveksa.ear/APP-INF/lib

Note: *Please refer the known issues before performing above step No.6

19. Modification in /tmp/aveksa.ear/aveksa.war/WEB-INF/jboss-web.xml

- Locate this
  <jboss-web>

  </jboss-web>
- Add following content in between the tags
  <security-domain>java:/jaas/xellerate</security-domain>

20. Repackage the aveksa.ear after steps 4, 5 ,6 and 7 are complete.
    cd /tmp/aveksa.ear

    zip -q -r -u /home/oracle/aveksa.ear *

21. Restart the server.
    service aveksa_server restart

22. Undeploying aveksa.ear

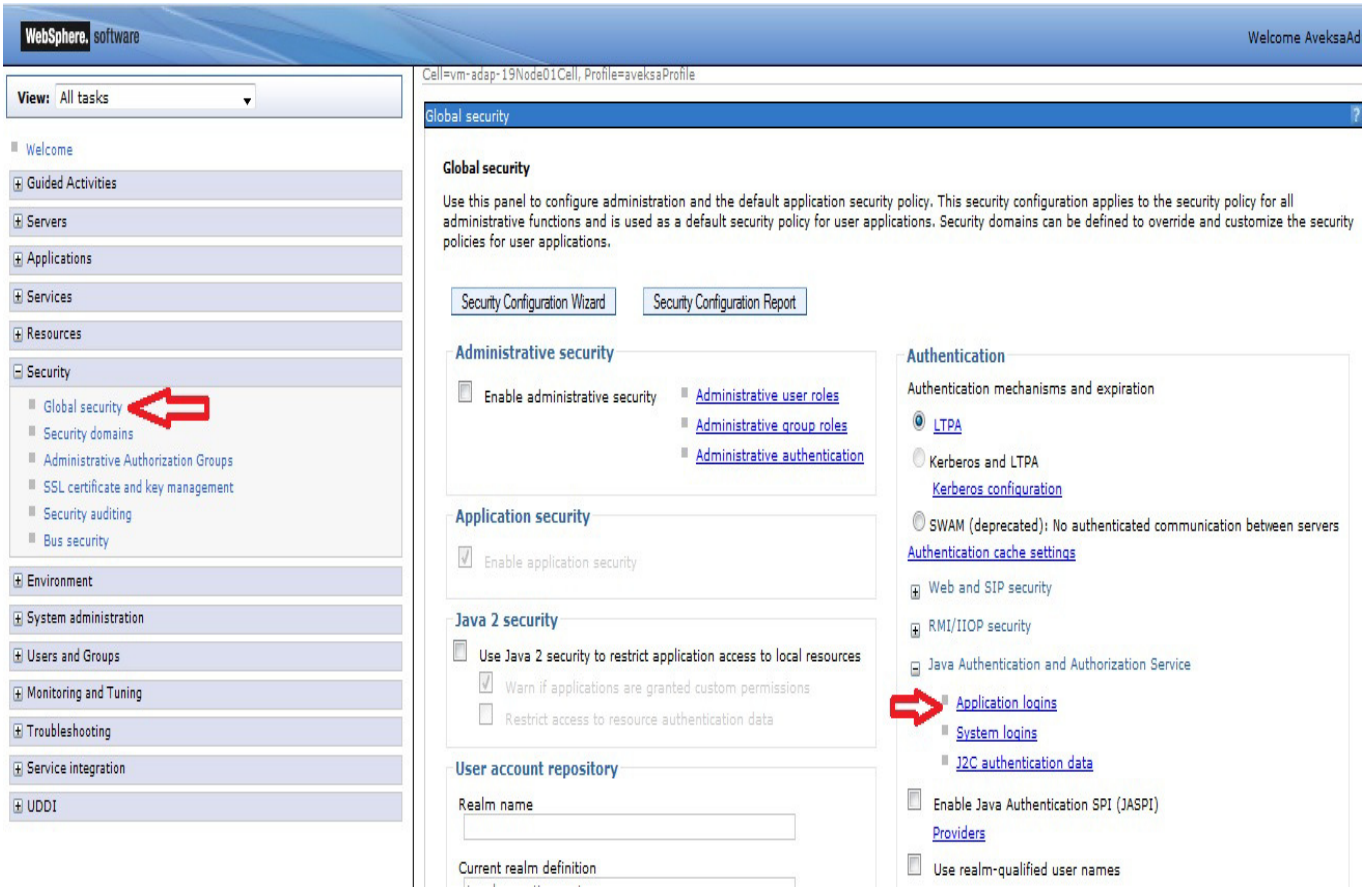
    /home/oracle/wildfly/bin/jboss-cli.sh -c --command="undeploy aveksa.ear"

23. Deploying aveksa.ear
    /home/oracle/wildfly/bin/jboss-cli.sh -c --command="deploy /home/oracle/aveksa.ear --force"

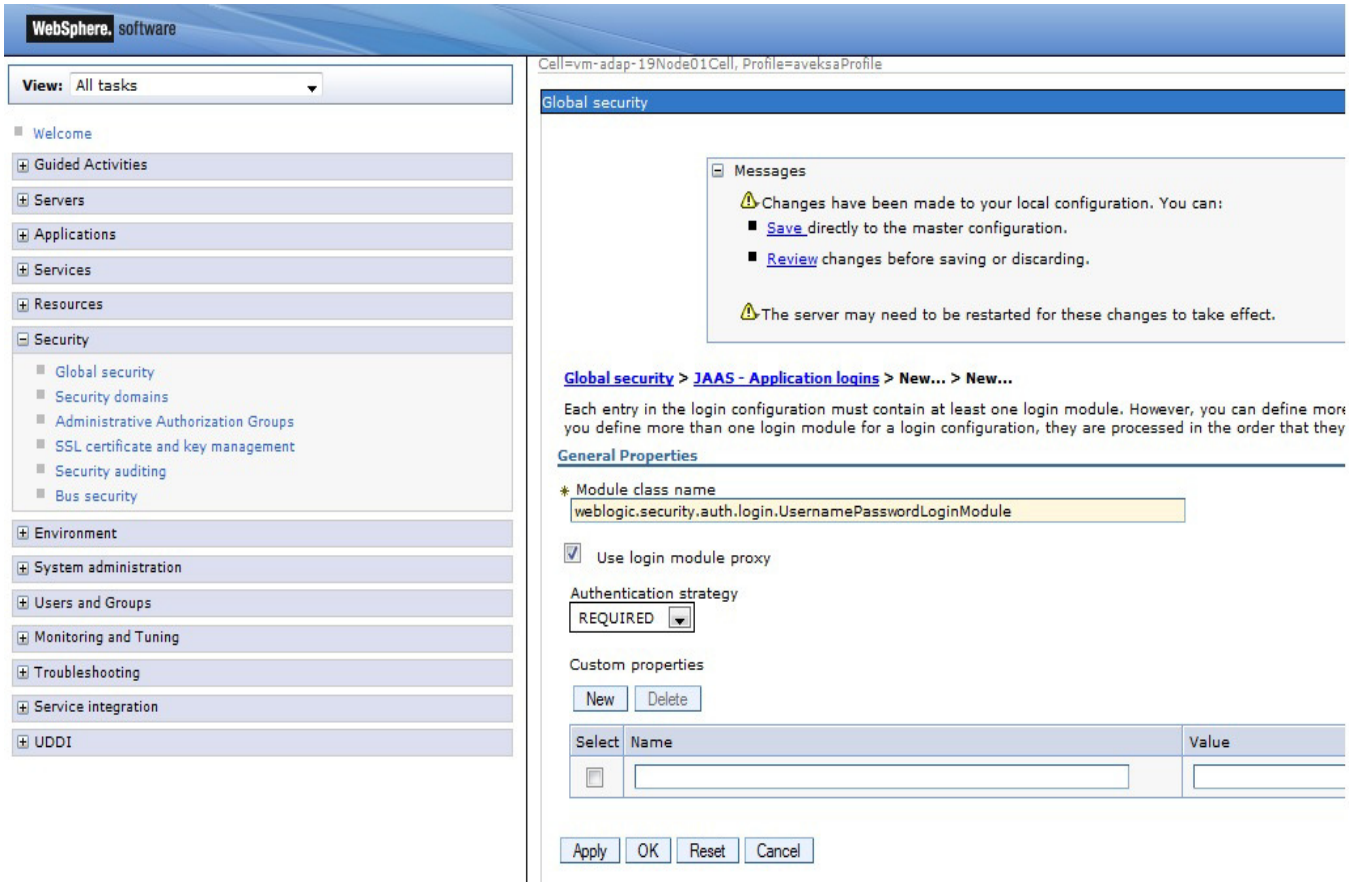
24. Delete the temporary directory /tmp/aveksa.ear

WebSphere Application Server: [For RSA Via L&G: 6.9.1 and above]

14. Login to WebSphere admin console.
15. Navigate to Security-> Global security-> Java Authentication and Authorization Service-> Application logins.



16. Click ‘New’ to add new Login module.
17. Enter the ‘Alias’ as **xellerate**.
18. In JAAS login modules : Click ‘New’ to add the module class name.
19. Enter ‘Module class name’ as **weblogic.security.auth.login.UsernamePasswordLoginModule.**
20. Check the ‘Use login module proxy’ checkbox.
21. Select the ‘Authentication strategy’ as **Required**.



22. Click ‘Apply’ and ‘OK’.
23. Save the changes to master configuration.
24. Add the wlfullclient.jar at following locations :
    - $<aveksa.ear>/APP-INF/lib
    - $<aveksa.ear>/aveksa.war/OIM111130AccountCollector1/lib
25. Add wlclient.jar at following location :
    - $<aveksa.ear>/aveksa.war/OIM111130AccountCollector1/lib
26. Restart the the WAS Server using following command.

    /home/oracle/AFX/afx stop
    /opt/IBM/WebSphere/AppServer/bin/stopServer.sh server1
    /opt/IBM/WebSphere/AppServer/bin/startServer.sh server1
    /home/oracle/AFX/afx start

Privileges required for Service Account

ACM & AFX applications need to access OIM using the OIM Client APIs and therefore require an authenticated session. Create a special user (integration user) in the OIM, solely for integration purposes. This will ensure that, even if an actual user is removed from the system, there will always be a user with the correct permissions available.

Add this user as a member of the following role:

- "Administrators"

Configuration

The configuration of the Account data Collector is completed through a number of screens. This section helps you to fill in the values for each screen.

Collector Description

The following table lists the parameters on the “Collector Description” screen, while creating the Collector.

Field Name	**Value**
Collector Name	OIM Account Data Collector
Description	OIM Account Data Collector for version 11.1.1.3.0
Data Source Type	Oracle Identity Manager Ver. 11.1.1.3.0
Agent	AveksaAgent
Business Source	Select already Created OIM Directory. If You have not created any Directory then Create Any Directory from Resource > Directory.
Status	Active
Copy from	Select already created OIMR1 ADC Collector If you want to copy details from it.
Scheduled	Select Yes if You want to Schedule Collector.

Configuration Information

The following table lists the parameters on the “Configuration Information” screen, while creating the Collector.

Field Name	**Value**
OIM Url	URL of the App Server where OIM is deployed. For example, t3://<SERVER_HOST>:14000
OIM Username	Login Id of the user created for integration

OIM Password	Password for the user created for integration
Context Factory	Context Factory used to initialize the connection to OIM. (Default: *weblogic.jndi.WLInitialContextFactory)*
Configuration file	Path to the authentication configuration file containing authentication module details. (Optional)

Map Collector Attributes to Account Attributes

The following table lists the parameters on the "Map Collector Attributes to Account Attributes" screen, while creating the Collector.

Field Name	**Value**
Last Login Date	<LEAVE BLANK>
Expiration Date	<LEAVE BLANK>

Map Collector Attributes to Account Mapping Attributes

The following table lists the parameters on the "Map Collector Attributes to Account Mapping Attributes" screen, while creating the Collector.

Field Name	**Value**
User Reference	USER_KEY

User Resolution Rules

Field Name	**Value**
Target Collector	OIM Identity Collector
User Attribute	User Id

Member Account Resolution

Field Name	**Value**
Target Collector	OIM Account Collector

Account Attribute	Account Name

Known Issues

- For the OIM Collector to work, the xercesImpljaxb.jar has to be in placed at the location mentioned - Pre-requisites->JAAS configuration->For WildFly server->Step 6
  However, Once this jar is added, the "Reports" module within RSA-IMG cannot be used.
  With this limitation, either OIM Collector or the Reports Module will work at a time.

Entitlement Data Collector

Prerequisites

Note: OIM_HOME is placeholder for the directory where OIM is installed.

Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download opensource jar file **xercesImpljaxb.jar**

> Note:
>
> If wlfullclient.jar file is not present on specified location, you will have to generate it using following steps:
>
> 1. Open a command prompt and change directory to WL_HOME/server/lib: cd %WL_HOME%/server/lib
>
> 2. Use the following command to create wlfullclient.jar in the WL_HOME/server/lib directory: **java -jar wljarbuilder.jar**
>
> 3. You can now download wlfullclient.jar.

For consuming OIM Client APIs, JAAS related configurations are required:

JBOSS [For RSA Via L&G: 6.9.1 and Patch Versions.]

1. Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:

   <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130EntitlementCollector1/lib

7. Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:
   <JBOSS_HOME>/server/default/deploy/aveksa.ear/APP-INF/lib
   <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130EntitlementCollector1/lib

8. Add following JAAS configuration in ${JBOSS_HOME}/server/default/deploy/aveksa.ear/security.sar/META-INF/config/login-config.xml file:

```
<application-policy name="xellerate">
        <authentication>
                <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>
        </authentication>
</application-policy>
```

WildFly [For RSA Via L&G: 7.0 and above]

25. Modification in $<Wildfly_Home>/standalone/configuration/aveksa-standalone-full.xml
    Default Wildfly home for linux is /home/oracle/wildfly
    Adding a security domain :

    - Locate this
      <subsystem xmlns="urn:jboss:domain:security:1.2">

      <security-domains>

      </security-domains>

      </subsystem>

    - Add this following content in between the security-domains tags
      <security-domain name="xellerate">

      <authentication>

      <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>

      </authentication>

      </security-domain>

26. Create a new folder
    `mkdir /tmp/aveksa.ear`

27. Unzip aveksa.ear to /tmp/aveksa.ear
    `unzip -q -X /tmp/repackaged_ear_dir/aveksa.ear -d /tmp/aveksa.ear`

28. Copy downloaded wlfullclient.jar file to
    - /tmp/aveksa.ear/APP-INF/lib
    - /tmp/aveksa.ear/aveksa.war/OIM111130EntitlementCollector1/lib
29. Copy the wlclient.jar file to
    - /tmp/aveksa.ear/aveksa.war/OIM111130EntitlementCollector1/lib

30. Copy xercesImpljaxb.jar file (a open source jar) to
    - /tmp/aveksa.ear/APP-INF/lib

Note: *Please refer the known issues before performing above step No.6

31. Modification in /tmp/aveksa.ear/aveksa.wa/WEB-INF/jboss-web.xml
    - Locate this

<jboss-web>

</jboss-web>

- Add following content in between the tags
  <security-domain>java:/jaas/xellerate</security-domain>

32. Repackage the aveksa.ear after step 7 is completed.
    cd /tmp/aveksa.ear

    zip -q -r -u /home/oracle/aveksa.ear *

33. Restart the server.
    service aveksa_server restart

34. Undeploying aveksa.ear

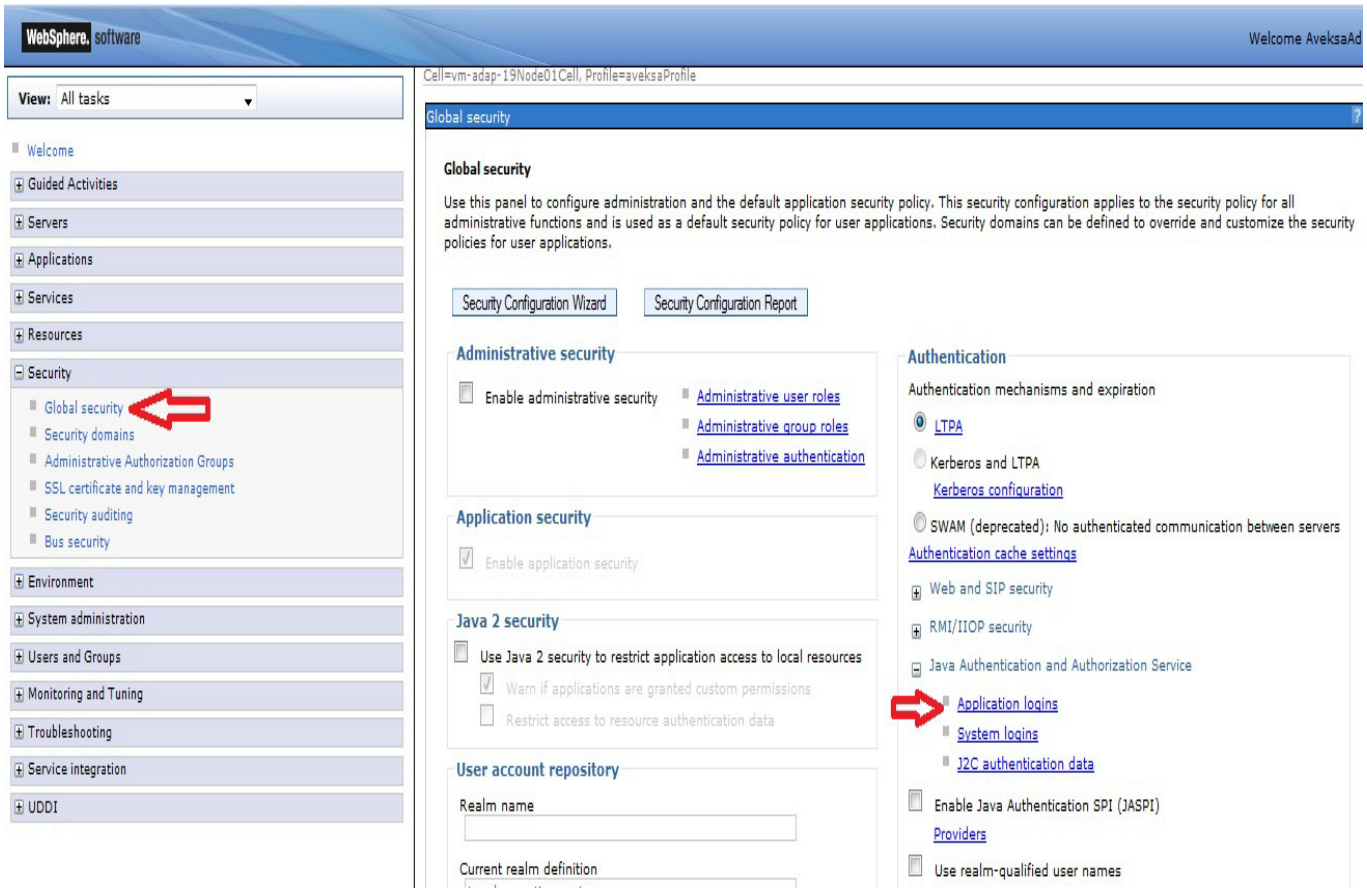
    /home/oracle/wildfly/bin/jboss-cli.sh -c --command="undeploy aveksa.ear"

35. Deploying aveksa.ear
    /home/oracle/wildfly-8.2.0.Final/bin/jboss-cli.sh -c --command="deploy /home/oracle/aveksa.ear --force"

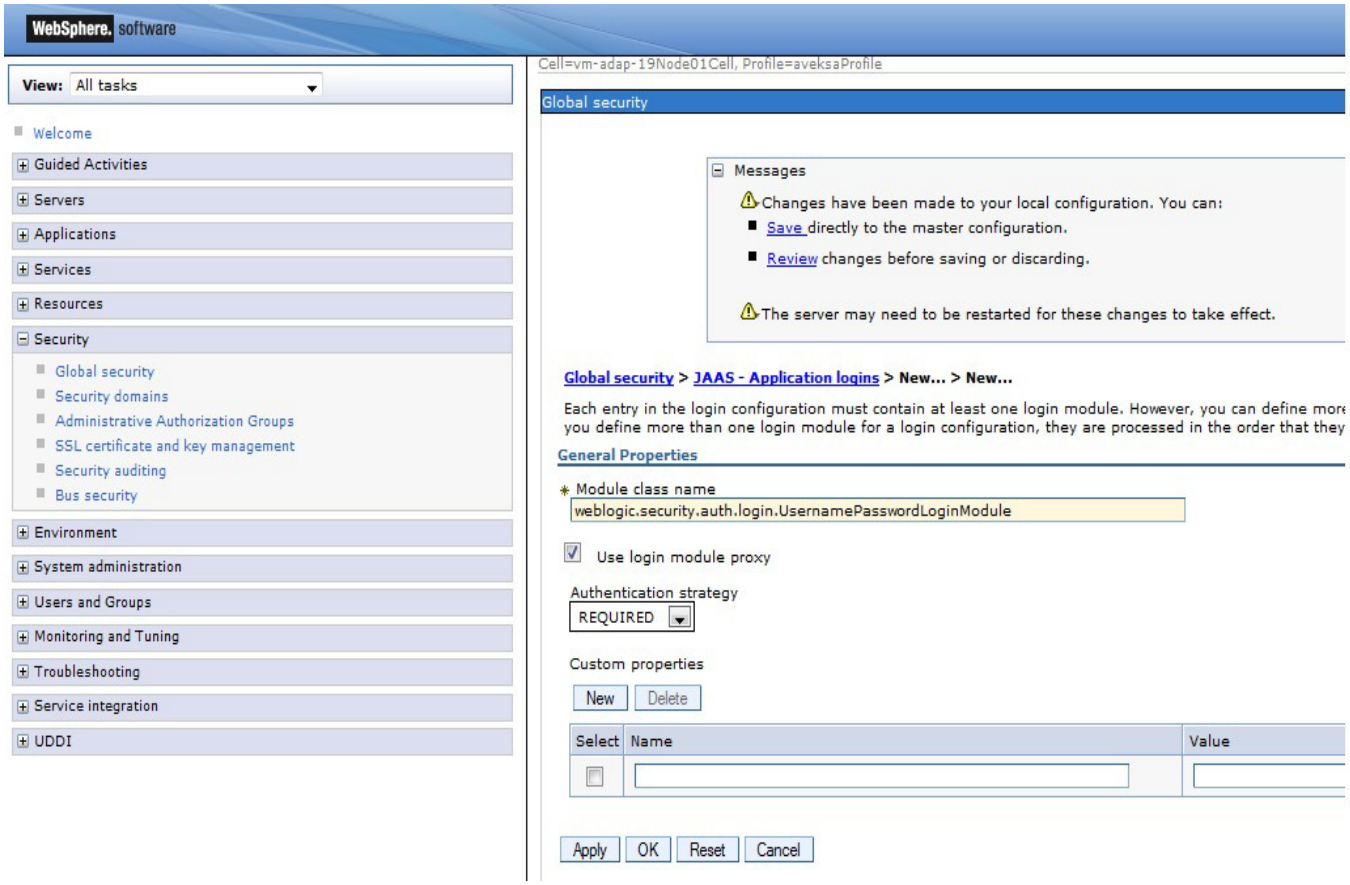
36. Delete the temporary directory /tmp/aveksa.ear

WebSphere Application Server: [For RSA Via L&G: 6.9.1 and above]

1. Login to WebSphere admin console.
2. Navigate to Security-> Global security-> Java Authentication and Authorization Service-> Application logins.



3. Click ‘New’ to add new Login module.
4. Enter the ‘Alias’ as **xellerate**.
5. In JAAS login modules : Click ‘New’ to add the module class name.
6. Enter ‘Module class name’ as **weblogic.security.auth.login.UsernamePasswordLoginModule.**
7. Check the ‘Use login module proxy’ checkbox.
8. Select the ‘Authentication strategy’ as **Required.**



9. Click ‘Apply’ and ‘OK’.
10. Save the changes to master configuration.
11. Add the wlfullclient.jar at following locations :
    - $<aveksa.ear>/APP-INF\lib
    - $<aveksa.ear>/aveksa.war/OIM111130EntitlementCollector1/lib
12. Add wlclient.jar at following location :
    - $<aveksa.ear>/aveksa.war/OIM111130EntitlementCollector1/lib
13. Restart the Restart the WAS Server using following command.

    /home/oracle/AFX/afx stop
    /opt/IBM/WebSphere/AppServer/bin/stopServer.sh server1
    /opt/IBM/WebSphere/AppServer/bin/startServer.sh server1
    /home/oracle/AFX/afx start

Privileges required for Service Account

ACM & AFX applications need to access OIM using the OIM Client APIs and therefore require an authenticated session. Create a special user (integration user) in the OIM, solely for integration purposes. This will ensure that, even if an actual user is removed from the system, there will always be a user with the correct permissions available.

Add this user as a member of the following role:

- "Administrators"

Configuration

The configuration of the Entitlement data Collector is completed through a number of screens. This section helps you to fill in the values for each screen.

Collector Description

The following table lists the parameters on the “Collector Description” screen, while creating the Collector.

Field Name	**Value**
Collector Name	OIM Entitlement Data Collector
Description	OIM Entitlement Data Collector for version 11.1.1.3.0
Data Source Type	Oracle Identity Manager Ver. 11.1.1.3.0
Agent	AveksaAgent
Business Source	Select already Created OIM Directory.If You have not created any Directory then Create Any Directory from Resource > Directory.
Status	Active
Copy from	Select already created OIM R1 EDC collector If you want to copy details from it.
Scheduled	Select “Yes” if you want to schedule collector.

Configuration Information

The following table lists the parameters on the "Configuration Information" screen, while creating the Collector.

Field Name	**Value**
OIM Url	URL of the App Server where OIM is deployed. For example, t3://<SERVER_HOST>:14000
OIM Username	Login Id of the user created for integration
OIM Password	Password for the user created for integration
Context Factory	Context Factory used to initialize the connection to OIM. (Default: *weblogic.jndi.WLInitialContextFactory)*
Configuration file	Path to the authentication configuration file containing authentication module details. (Optional)

Account Evaluation Page

Field Name	**Value**
Associated account collector	OIM Account Collector
Account value	Account Name

Known Issues

- For the OIM Collector to work, the xercesImpljaxb.jar has to be in placed at the location mentioned - Pre-requisites->JAAS configuration->For WildFly server->Step 6
  However, Once this jar is added, the "Reports" module within RSA-IMG cannot be used.
  With this limitation, either OIM Collector or the Reports Module will work at a time.

Role Data Collector

Prerequisites

Note: OIM_HOME is placeholder for the directory where OIM is installed.

Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib***

Download opensource jar file **xercesImpljaxb.jar**

> Note:
>
> If wlfullclient.jar file is not present on specified location, you will have to generate it using following steps:
>
> 1. Open a command prompt and change directory to WL_HOME/server/lib: cd %WL_HOME%/server/lib
> 2. Use the following command to create wlfullclient.jar in the WL_HOME/server/lib directory: **java -jar wljarbuilder.jar**
> 3. You can now download wlfullclient.jar.

For consuming OIM Client APIs, JAAS related configurations are required:

JBOSS [For RSA Via L&G: 6.9.1 and Patch Versions.]

9. Download ***wlclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:
   <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130RoleCollector1/lib
10. Download ***wlfullclient.jar*** *from* ***<OIM_HOME>/Middleware/wlserver_10.3/server/lib*** and copy it to following locations:
    <JBOSS_HOME>/server/default/deploy/aveksa.ear/APP-INF/lib
    <JBOSS_HOME>/server/default/deploy/aveksa.ear/aveksa.war/OIM111130RoleCollector1/lib
11. Add following JAAS configuration in ${JBOSS_HOME}/server/default/deploy/aveksa.ear/security.sar/META-INF/config/login-config.xml file:

```
<application-policy name="xellerate">
        <authentication>
                <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>
        </authentication>
</application-policy>
```

WildFly [For RSA Via L&G: 7.0 and above]

14. Modification in $<Wildfly_Home>/standalone/configuration/aveksa-standalone-full.xml
    Default Wildfly home for linux is /home/oracle/wildfly
    Adding a security domain :

- Locate this
  <subsystem xmlns="urn:jboss:domain:security:1.2">

  <security-domains>

  </security-domains>

  </subsystem>

- Add this following content in between the security-domains tags
  <security-domain name="xellerate">

  <authentication>

  <login-module code="weblogic.security.auth.login.UsernamePasswordLoginModule" flag="required"/>

  </authentication>

  </security-domain>

15. Create a new folder
    mkdir /tmp/aveksa.ear

16. Unzip aveksa.ear to /tmp/aveksa.ear
    unzip -q -X /tmp/repackaged_ear_dir/aveksa.ear -d /tmp/aveksa.ear

17. Copy downloaded wlfullclient.jar file to
    - /tmp/aveksa.ear/APP-INF/lib
    - /tmp/aveksa.ear/aveksa.war/OIM111130RoleCollector1/lib

18. Copy the wlclient.jar file to
    - /tmp/aveksa.ear/aveksa.war/OIM111130RoleCollector1/lib

19. Copy xercesImpljaxb.jar file (a open source jar) to
    - /tmp/aveksa.ear/APP-INF/lib

20. Modification in /tmp/aveksa.ear/aveksa.war/WEB-INF/jboss-web.xml
    - Locate this

<jboss-web>

</jboss-web>

- Add following content in between the tags
  <security-domain>java:/jaas/xellerate</security-domain>

21. Repackage the aveksa.ear after step 7 is complete.
    cd /tmp/aveksa.ear

    zip -q -r -u /home/oracle/aveksa.ear *

22. Restart the server.
    service aveksa_server restart

23. Undeploying aveksa.ear

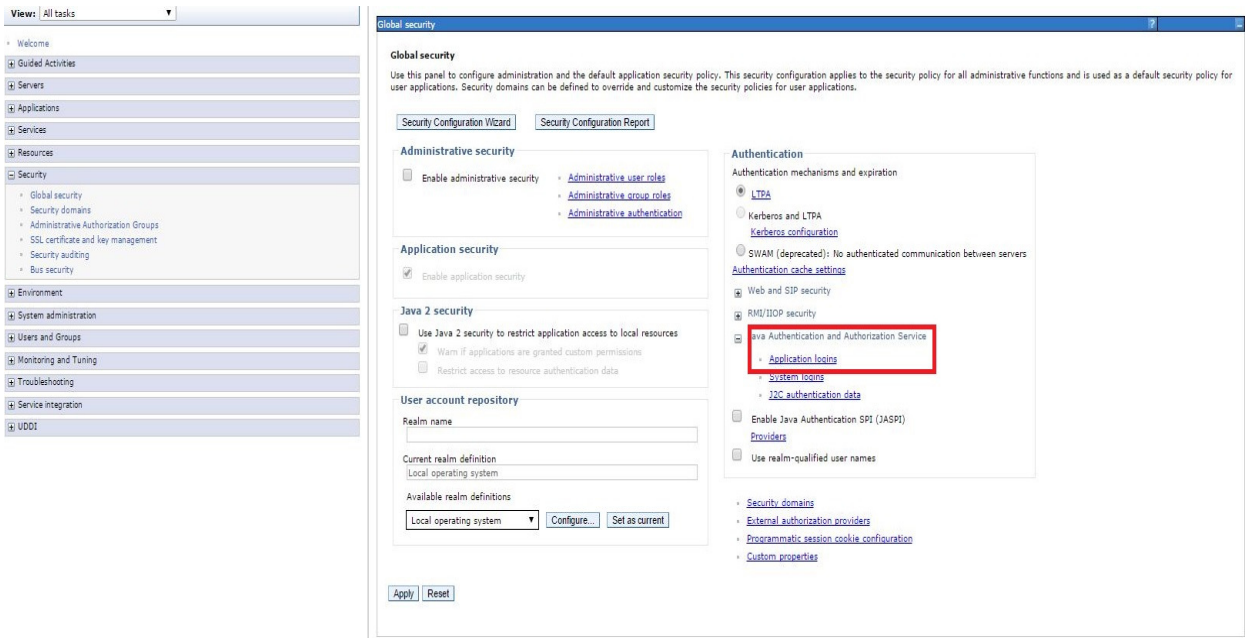
    /home/oracle/wildfly/bin/jboss-cli.sh -c --command="undeploy aveksa.ear"

24. Deploying aveksa.ear
    /home/oracle/wildfly-8.2.0.Final/bin/jboss-cli.sh -c --command="deploy /home/oracle/aveksa.ear --force"

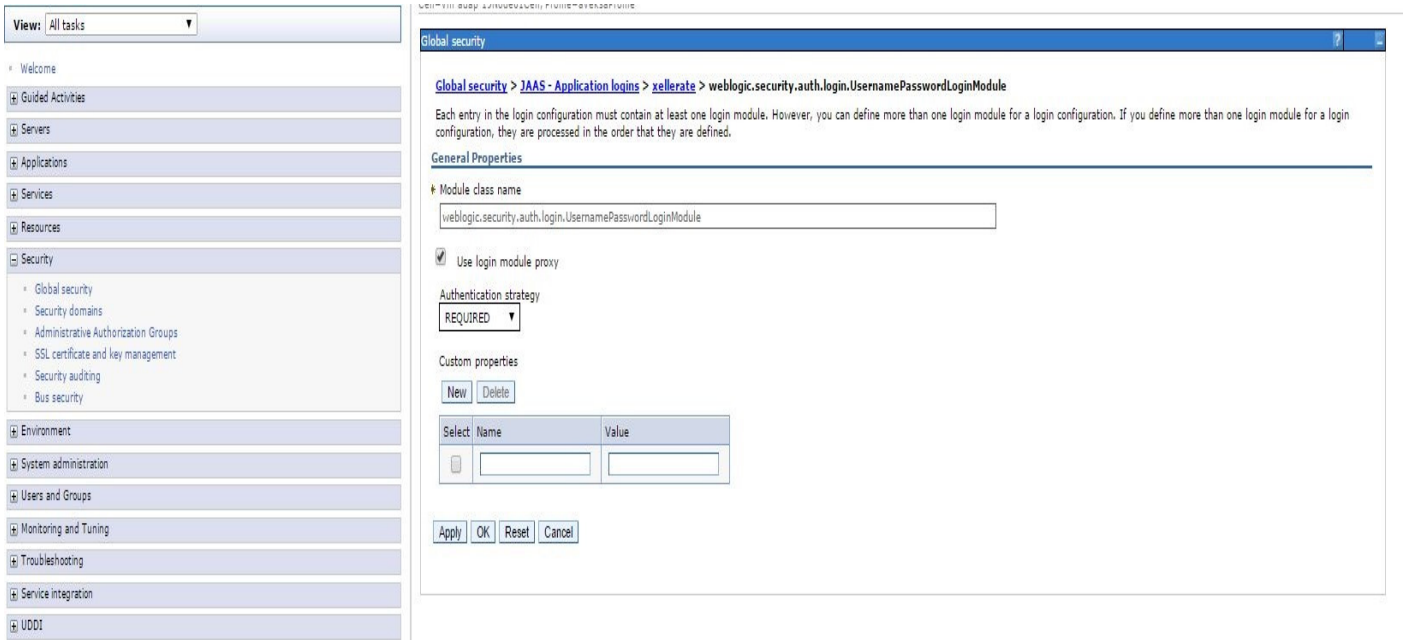
25. Delete the temporary directory /tmp/aveksa.ear

WebSphere Application Server: [For RSA Via L&G: 6.9.1 and above]

26. Login to WebSphere admin console.
27. Navigate to Security-> Global security-> Java Authentication and Authorization Service-> Application logins.



28. Click ‘New’ to add new Login module.
29. Enter the ‘Alias’ as **xellerate**.
30. In JAAS login modules : Click ‘New’ to add the module class name.
31. Enter ‘Module class name’ as **weblogic.security.auth.login.UsernamePasswordLoginModule.**
32. Check the ‘Use login module proxy’ checkbox.
33. Select the ‘Authentication strategy’ as **Required**.



34. Click ‘Apply’ and ‘OK’.
35. Save the changes to master configuration.
36. Add the wlfullclient.jar at following locations :
    - $<aveksa.ear>/APP-INF/lib

- $<aveksa.ear>/aveksa.war/OIM111130RoleCollector1/lib

37. Add wlclient.jar at following location :
    - $<aveksa.ear>/aveksa.war/OIM111130RoleCollector1/lib
38. Restart the WAS Server using following command.
    /home/oracle/AFX/afx stop
    /opt/IBM/WebSphere/AppServer/bin/stopServer.sh server1
    /opt/IBM/WebSphere/AppServer/bin/startServer.sh server1
    /home/oracle/AFX/afx start

Privileges required for Service Account

ACM & AFX applications need to access OIM using the OIM Client APIs and therefore require an authenticated session. Create a special user (integration user) in the OIM, solely for integration purposes. This will ensure that, even if an actual user is removed from the system, there will always be a user with the correct permissions available.

Add this user as a member of the following role:

- "Administrators"

Configuration

The configuration of the Role data Collector is completed through a number of screens. This section helps you to fill in the values for each screen.

Collector Description

The following table lists the parameters on the “Collector Description” screen, while creating the Collector.

Field Name	**Value**
Collector Name	OIM Role Data Collector
Description	OIM Role Data Collector for version 11.1.1.3.0
Data Source Type	Oracle Identity Manager Ver. 11.1.1.3.0
Agent	AveksaAgent
Directory	Select already Created OIM Directory. If You have not created any Directory then Create Any Directory from Resource > Directory.
Status	Active

Copy from	Select already created OIMR1 RDC Collector If you want to copy details from it.
Scheduled	Select Yes if You want to Schedule Collector.

Configuration Information

The following table lists the parameters on the "Configuration Information" screen, while creating the Collector.

Field Name	**Value**
OIM Url	URL of the App Server where OIM is deployed. For example, t3://<SERVER_HOST>:14000
OIM Username	Login Id of the user created for integration
OIM Password	Password for the user created for integration
Context Factory	Context Factory used to initialize the connection to OIM. (Default: *weblogic.jndi.WLInitialContextFactory)*
Configuration file	Path to the authentication configuration file containing authentication module details. (Optional)

User Evaluation

Field Name	**Value**
Owner	User Id
Role Member	User Id

Known Issues

- For the OIM Collector to work, the xercesImpljaxb.jar has to be in placed at the location mentioned - Pre-requisites->JAAS configuration->For WildFly server->Step 6
  However, Once this jar is added, the "Reports" module within RSA-IMG cannot be used.
  With this limitation, either OIM Collector or the Reports Module will work at a time.

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