A logo for a grocery store

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Hormel Foods Corporation (Hormel)

Oracle ERP Document

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# REST connector – Oracle ERP

## Connection: Oracle ERP

1. Login to Saviynt Security Manager (SSM) as administrator.
2. Click on “Admin” tab on top menu bar and click on “Identity Repository”. Under “Identity Repository” select “Connections”.
3. Click on “Connection List” and then click on “Oracle ERP” connection.
4. Update “Oracle ERP” connection as below.

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Connection Name | Oracle ERP |
| Connection Description | Oracle ERP connection to connect to ERP system and import roles, provision / deprovision access |
| Connection Type | REST |
| ConnectionJSON |  |
| ImportAccountEntJSON | {  "accountParams": {  "connection": "acctAuth",  "processingType": "SequentialAndIterative",  "call": {  "call1": {  "callOrder": 0,  "stageNumber": 0,  "http": {  "url":"https://ekkh.fa.us2.oraclecloud.com/hcmRestApi/scim/Users?startIndex=1&count=500",  "httpHeaders": {  "Authorization": "${access\_token}",  "Accept": "application/json"  },  "httpContentType": "application/x-www-form-urlencoded",  "httpMethod": "GET"  },  "listField":"Resources",  "keyField":"accountID",  "statusConfig": {  "active": "true",  "inactive": "false"  },  "colsToPropsMap": {  "accountID":"id~#~char",  "name":"userName~#~char",  "displayName":"displayName~#~char",  "status" :"active~#~char",  "customproperty1":"emails[0].value~#~char",  "customproperty2":"name.givenName~#~char",  "customproperty3":"name.familyName~#~char",  "customproperty31":"STORE#ACC#ENT#MAPPINGINFO~#~char"  },  "pagination": {  "nextUrl": {  "nextUrlPath": "${response?.completeResponseMap?.itemsPerPage>=500?'https://ekkh.fa.us2.oraclecloud.com/hcmRestApi/scim/Users?startIndex='+Math.addExact(response.completeResponseMap.itemsPerPage,response.completeResponseMap.startIndex)+'&count='+response.completeResponseMap.itemsPerPage:null}"  }  },  "unsuccessResponses": {  "statusCode": [400,403,401,404,409,501,500]  }  }  },  "acctEntMappings": {  "Roles": {  "listPath": "roles.id",  "idPath": "",  "keyField": "entitlementID"  }  }  },  "entitlementParams": {  "connection": "acctAuth",  "processingType": "SequentialAndIterative",  "entTypes": {  "Roles": {  "entTypeOrder": 0,  "call": {  "call1": {  "callOrder": 0,  "stageNumber": 0,  "http": {  "url": "https://ekkh.fa.us2.oraclecloud.com/hcmRestApi/scim/Roles",  "httpHeaders": {  "Authorization": "${access\_token}",  "Accept": "application/json"  },  "httpContentType": "application/json",  "httpMethod": "GET"  },  "listField": "Resources",  "keyField": "entitlementID",  "colsToPropsMap": {  "entitlementID": "id~#~char",  "entitlement\_value": "name~#~char",  "displayname": "displayName~#~char",  "description": "description~#~char",  "entitlement\_glossary": "description~#~char",  "customproperty1": "category~#~char",  "customproperty2": "meta.created~#~date",  "UPDATEDATE": "meta.lastModified~#~date"  },  "pagination": {  "nextUrl": {  "nextUrlPath": "${response?.completeResponseMap?.itemsPerPage>=500?'https://ekkh.fa.us2.oraclecloud.com/hcmRestApi/scim/Roles?startIndex='+Math.addExact(response.completeResponseMap.itemsPerPage,response.completeResponseMap.startIndex)+'&count='+response.completeResponseMap.itemsPerPage:null}"  }  },  "disableDeletedEntitlements": true  }  }  }  }  },  "acctEntParams": {  "connection": "acctAuth",  "entTypes": {  "Roles": {  "call": {  "call1": {  "callOrder": 0,  "stageNumber": 0,  "processingType": "acctToEntMapping"  }  }  }  }  }  } |
| AddAccessJSON | {  "call": [  {  "name": "Roles",  "connection": "acctAuth",  "url": "https://ekkh.fa.us2.oraclecloud.com/hcmRestApi/scim/Roles/${entitlementValue?.entitlementID}",  "httpMethod": "PATCH",  "httpParams": "{\"members\":[{\"value\":\"${account?.accountID}\",\"operation\":\"ADD\"}]}",  "httpHeaders": {  "Authorization": "${access\_token}"  },  "httpContentType": "application/json",  "successResponses": {  "statusCode": [  204,  200,  201,  null  ]  },  "unsuccessResponses": {  "statusCode": [  400,  403,  401,  404,  409,  501,  500,  null  ]  }  },  {  "name": "DataSecurities",  "connection": "acctAuth",  "url": "https://ekkh.fa.us2.oraclecloud.com/hcmRestApi/scim/Roles/${entitlementValue?.customproperty5}",  "httpMethod": "PATCH",  "httpParams": "{\"members\":[{\"value\":\"${account?.accountID}\",\"operation\":\"ADD\"}]}",  "httpHeaders": {  "Authorization": "${access\_token}"  },  "httpContentType": "application/json",  "successResponses": {  "statusCode": [  204  ]  }  },  {  "name": "DataSecurities",  "connection": "acctAuth",  "url": "https://ekkh.fa.us2.oraclecloud.com/fscmRestApi/resources/11.13.18.05/dataSecurities?q=Userrf=${account?.name};RoleCommonName=${entitlementValue?.customproperty1};SecurityContext=${entitlementValue?.customproperty2.replace(' ','%20')};SecurityContextValue=${entitlementValue?.customproperty3.replace(' ','%20').replace(',','%2C').replace('.','%2E')}",  "httpMethod": "Get",  "httpHeaders": {  "Authorization": "${access\_token}"  },  "httpContentType": "application/json",  "successResponses": {  "statusCode": [  200  ]  }  },  {  "name": "DataSecurities",  "connection": "acctAuth",  "url": "https://ekkh.fa.us2.oraclecloud.com/fscmRestApi/resources/11.13.18.05/dataSecurities${(response.DataSecurities2.message.items?.size() > 0) ?'/'.concat(response.DataSecurities2.message.items.UserRoleDataAssignmentId.toString().replace('[',' ').replace(']',' ').replace(' ','')):''}",  "httpMethod": "${(response.DataSecurities2.message.items?.size() > 0)?'PATCH':'POST'}",  "httpParams": "{${response.DataSecurities2.message.items?.size() > 0 ? '\"ActiveFlag\":\"true\"' : '\"SecurityContext\":\"'+entitlementValue?.customproperty2+'\",\"SecurityContextValue\":\"'+entitlementValue?.customproperty3+'\",\"RoleCommonName\":\"'+entitlementValue?.customproperty1+'\",\"UserName\":\"'+account?.name+'\"'}}",  "httpHeaders": {  "Authorization": "${access\_token}"  },  "httpContentType": "application/json",  "successResponses": {  "statusCode": [  200,  201  ]  }  }  ]  } |
| RemoveAccessJSON | {  "call": [  {  "name": "Roles",  "connection": "acctAuth",  "url": "https://ekkh.fa.us2.oraclecloud.com/hcmRestApi/scim/Roles/${entitlementValue?.entitlementID}",  "httpMethod": "PATCH",  "httpParams": "{\"members\":[{\"value\":\"${account?.accountID}\",\"operation\":\"REMOVE\"}]}",  "httpHeaders": {  "Authorization": "${access\_token}"  },  "httpContentType": "application/json",  "successResponses": {  "statusCode": [  200,  201,  204,  null  ]  }  },  {  "name": "DataSecurities",  "connection": "acctAuth",  "url": "https://ekkh.fa.us2.oraclecloud.com/fscmRestApi/resources/11.13.18.05/dataSecurities?q=Userrf=${account?.name};RoleCommonName=${entitlementValue?.customproperty1};SecurityContext=${entitlementValue?.customproperty2.replace(' ','%20')};SecurityContextValue=${entitlementValue?.customproperty3.replace(' ','%20').replace(',','%2C').replace('.','%2E')}",  "httpMethod": "Get",  "httpHeaders": {  "Authorization": "${access\_token}"  },  "httpContentType": "application/json",  "successResponses": {  "statusCode": [  200  ]  }  },  {  "name": "DataSecurities",  "connection": "acctAuth",  "url": "https://ekkh.fa.us2.oraclecloud.com/fscmRestApi/resources/11.13.18.05/dataSecurities/${response.DataSecurities1.message.items.UserRoleDataAssignmentId.toString().replace('[',' ').replace(']',' ').replace(' ','')}",  "httpMethod": "PATCH",  "httpParams": "{\"ActiveFlag\":false}",  "httpHeaders": {  "Authorization": "${access\_token}"  },  "httpContentType": "application/json",  "successResponses": {  "statusCode": [  200  ]  }  }  ]  } |
|  |  |

## Security Systems

1. Login to Saviynt Security Manager (SSM) as administrator.
2. Click on “Admin” tab on top menu bar and click on “Identity Repository”. Under “Identity Repository” select “Security Systems”.

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1. Click on Action and from dropdown select “Create Security System”.

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1. Enter details as per below table.

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| System Name | Oracle ERP |
| Display Name | Oracle ERP |
| Connections | Oracle ERP |
| Access Add Workflow | Hormel Oracle ERP Approval Workflow |
| Access Remove Workflow | Hormel Oracle ERP Deprovision Workflow |
| Access Service Account Workflow | No Workflow |
| Remove Service Account Workflow | No Workflow |
| Default System | No |
| Automated Provisioning | Enable |
| Manage Entity | No |
| Persistent Data | No |
| Use open connector | No |
| Recon Application | Yes |
| Instant Provisioning | Disable |

1. Click on “Create”.

## Endpoints

1. Login to Saviynt Security Manager (SSM) as administrator.
2. Click on “Admin” tab on top menu bar and click on “Identity Repository”. Under “Identity Repository” select “Security Systems”.
3. Select “Endpoints”.

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1. Click on “Actions” and select “Create Endpoint” from dropdown.

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1. Enter details as per below table.

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Endpoint Name | Oracle ERP |
| Display Name | Oracle ERP |
| Security System | Oracle ERP |
| Description | Oracle ERP |
| Account Name Rule | username |
| Disable Remove Account | ON |
| Disable Modify Account | OFF |
| State and Status Fields |  |
| Requestable | True |
| Connection Configuration | {  "conf": [{}]  } |

1. Click on Create.
2. Open the endpoint “Oracle ERP”.
3. Click on “Entitlement Type”. Click on “Action” button.
4. Select “Create Entitlement Type” from “Action” dropdown.
5. Create Dynamic Attribute as given below:

|  |  |
| --- | --- |
| Parameters | Dynamic Attribute #1 |
| Attribute Name | SavRole |
| Request Type | Account |
| Attribute Label | Logged in User Type |
| Attribute Group |  |
| Order Index | 0 |
| Attribute Type | Single Select from SQL Query |
| Values | select sav.rolename as id from user\_savroles usrsav join savroles sav on usrsav.rolekey= sav.rolekey join users usr on usr.userkey = usrsav.userkey where usr.userkey=${requestor} |
| Default Values | select sav.rolename as id from user\_savroles usrsav join savroles sav on usrsav.rolekey= sav.rolekey join users usr on usr.userkey = usrsav.userkey where usr.userkey=${requestor} |
| Accounts Column |  |
| Required | No |
| Editable | Yes |
| Hide On Create | No |
| Hide On Update | No |
| Show On Child | No |
| Parent Attribute |  |
| What action to perform when Parent attribute changes? | mapping |
| Action String |  |

|  |  |
| --- | --- |
| Parameters | Dynamic Attribute #2 |
| Attribute Name | Workstream |
| Request Type | Account |
| Attribute Label | Workstream |
| Attribute Group |  |
| Order Index |  |
| Attribute Type | Single Select from SQL Query |
| Values | select distinct ev.customproperty4 as id from entitlement\_values ev, entitlement\_types et where ev.entitlementtypekey = et.entitlementtypekey and et.endpointkey = (select endpointkey from endpoints where endpointname = 'Oracle ERP') and et.ENTITLEMENTNAME = 'DataSecurities' and ev.customproperty1 is not null; |
| Default Values |  |
| Accounts Column |  |
| Required |  |
| Editable | Yes |
| Hide On Create |  |
| Hide On Update |  |
| Show On Child |  |
| Parent Attribute |  |
| What action to perform when Parent attribute changes? | mapping |
| Action String |  |

|  |  |
| --- | --- |
| Parameters | Dynamic Attribute #3 |
| Attribute Name | Rolename |
| Request Type | Account |
| Attribute Label | Role Name |
| Attribute Group |  |
| Order Index |  |
| Attribute Type | Single Select from SQL Query |
| Values | select distinct ev.customproperty1 as id from entitlement\_values ev, entitlement\_types et where ev.entitlementtypekey = et.entitlementtypekey and et.endpointkey = (select endpointkey from endpoints where endpointname = 'Oracle ERP') and et.ENTITLEMENTNAME = 'DataSecurities' and ev.customproperty4 = ${Workstream} and ev.customproperty1 is not null; |
| Default Values |  |
| Accounts Column |  |
| Required |  |
| Editable | Yes |
| Hide On Create | Yes |
| Hide On Update |  |
| Show On Child |  |
| Parent Attribute |  |
| What action to perform when Parent attribute changes? | mapping |
| Action String |  |

|  |  |
| --- | --- |
| Parameters | Dynamic Attribute #4 |
| Attribute Name | Securitycontext |
| Request Type | Account |
| Attribute Label | Security Context |
| Attribute Group |  |
| Order Index |  |
| Attribute Type | Single Select from SQL Query |
| Values | select distinct ev.customproperty2 as id from entitlement\_values ev, entitlement\_types et where ev.entitlementtypekey = et.entitlementtypekey and et.endpointkey = (select endpointkey from endpoints where endpointname = 'Oracle ERP') and et.ENTITLEMENTNAME = 'DataSecurities' and ev.customproperty2 is not null and ev.customproperty4 = ${Workstream} and ev.customproperty1=${Rolename}; |
| Default Values |  |
| Accounts Column |  |
| Required |  |
| Editable | Yes |
| Hide On Create |  |
| Hide On Update |  |
| Show On Child |  |
| Parent Attribute | Rolename |
| What action to perform when Parent attribute changes? | mapping |
| Action String |  |

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1. Fill the details in “Create New Entitlement Type” page with following details.

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Entitlement Type Name | DataSecurities |
| Display Name | Data Securities |
| Endpoint Name | Oracle ERP |
| Config for Requestable Entitlement in ARS | ev.customproperty4 = '${Workstream}' and ev.customproperty1='${Rolename }' and ev.customproperty2 = '${Securitycontext}' |
| Exclude Entitlements Assigned via Rule while Request | Yes |
| Show On | All Requests |
| Create Task Action | No Action |
| Certifiable | True |
| Request Option | Table |
| Hierarchy | Not Required |
| Required - standard | false |
| Required - service | false |
|  |  |

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Entitlement Type Name | Roles |
| Display Name | Roles |
| Endpoint Name | Oracle ERP |
| Entitlement Description | Roles |
| Config for Requestable Entitlement in ARS | ((ev.customproperty3 IS NULL) or (ev.customproperty3='${SavRole}')) and ev.entitlement\_value like 'HRML\_%' |
| Exclude Entitlements Assigned via Rule while Request | Yes |
| Show On | All Requests |
| Create Task Action | No Action |
| Certifiable | True |
| Request Option | Table |
| Hierarchy | Not Required |
| Required - standard | false |
| Required - service | false |
|  |  |

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Entitlement Type Name | Duty\_Role |
| Display Name | Duty\_Role |
| Endpoint Name | Oracle ERP |
| Entitlement Description | Duty\_Role |
| Config for Requestable Entitlement in ARS |  |
| Exclude Entitlements Assigned via Rule while Request | Yes |
| Show On | All Requests |
| Create Task Action | No Action |
| Certifiable | True |
| Request Option | None |
| Hierarchy | Not Required |
| Required - standard | false |
| Required - service | false |
|  |  |

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Entitlement Type Name | Privilege |
| Display Name | Privilege |
| Endpoint Name | Oracle ERP |
| Entitlement Description | Privilege |
| Config for Requestable Entitlement in ARS |  |
| Exclude Entitlements Assigned via Rule while Request | Yes |
| Show On | All Requests |
| Create Task Action | No Action |
| Certifiable | True |
| Request Option | None |
| Hierarchy | Not Required |
| Required - standard | false |
| Required - service | false |
|  |  |

Note: Ensure that the order index is updated according to the screenshot below for the entitlement types which are requestable and selected.

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## Datasets

### Hormel\_Oracle\_ERP\_Role\_SecurityContext\_Master

Master copy of all the Roles to security context mapping along with owner information is maintained in the dataset named ‘Hormel\_Oracle\_ERP\_Role\_SecurityContext\_Master’

**Dataset Header:** RoleOrigin,Workstream,Rolename,Rolecode,Securitycontext,Owner

**Dataset Column Description:**

|  |  |
| --- | --- |
| Column | Description |
| RoleOrigin | RoleOrigin column provides information about origin of the record.  CAS\_Master - Summary Security Context sheet – Col A |
| Workstream | Workstream determines the applicability of role/data security to which workstream.  CAS\_Master - Summary Security Context sheet – Col B |
| Rolename | Rolename column determines the name of the role.  CAS\_Master - Summary Security Context sheet – Col C |
| Rolecode | Rolecode column determines the role code.  CAS\_Master - Summary Security Context sheet – Col D |
| Securitycontext | Securitycontext column provides the mapping between role and category of the securitycontext.  CAS\_Master - Summary Security Context sheet – Col E |
| Owner | Owner column determines the ownership for the respective data security.  CAS\_MASter - ERP Approver Pivot Sheet - Col D |

**Steps to Upload Dataset:**

1. Navigate to Admin -> Identity Repository -> Dataset -> click on the dataset with name ‘Hormel\_Oracle\_ERP\_Role\_SecurityContext\_Master’.

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1. Navigate to Dataset Values tab and click on ‘Dataset Fresh Import’.

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1. Add the Header mentioned in the above section and upload the file.

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1. Click on Save.

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### Hormel\_Oracle\_ERP\_ManufacturingContext

Master copy of all the manufacturing plant information is maintained in the dataset named ‘Hormel\_Oracle\_ERP\_ManufacturingContext’

**Dataset Header:** ManufacturingPlant,ManufacturingPlantName

**Dataset Column Description:**

|  |  |
| --- | --- |
| Column | Description |
| ManufacturingPlant | ManufacturingPlant is the id of the manufacturing plant.  CAS\_MASter - Security Context Picklists Sheet – Col H |
| ManufacturingPlantName | ManufacturingPlantName is the display name of the manufacturing plant.  CAS\_MASter - Security Context Picklists Sheet – Col I |

**Steps to Upload Dataset:**

1. Navigate to Admin -> Identity Repository -> Dataset -> click on the dataset with name ‘Hormel\_Oracle\_ERP\_ ManufacturingContext’.

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1. Navigate to Dataset Values tab and click on ‘Dataset Fresh Import’.

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1. Add the Header mentioned in the above section and upload the file.

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1. Click on Save.

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### Hormel\_Oracle\_ERP\_InventoryContext

Master copy of all the inventory organization information is maintained in the dataset named ‘Hormel\_Oracle\_ERP\_InventoryContext

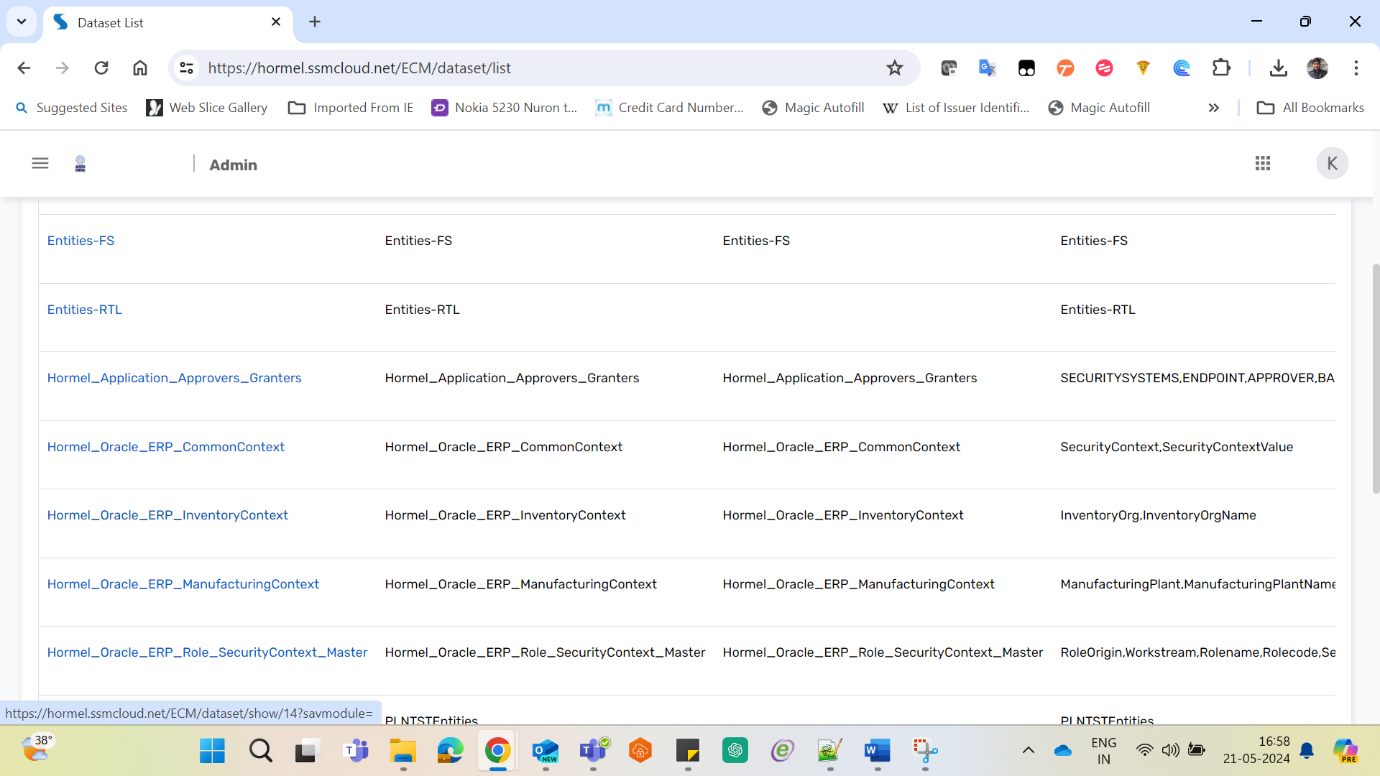
**Dataset Header:** InventoryOrg,InventoryOrgName

**Dataset Column Description:**

|  |  |
| --- | --- |
| Column | Description |
| InventoryOrg | InventoryOrg is the id of the inventory organization.  CAS\_MASter - Security Context Picklists Sheet – Col F |
| InventoryOrgName | InventoryOrgName is the display name of the inventory organization.  CAS\_MASter - Security Context Picklists Sheet – Col G |

**Steps to Upload Dataset:**

1. Navigate to Admin -> Identity Repository -> Dataset -> click on the dataset with name ‘Hormel\_Oracle\_ERP\_ InventoryContext’.

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1. Navigate to Dataset Values tab and click on ‘Dataset Fresh Import’.

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1. Add the Header mentioned in the above section and upload the file.

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1. Click on Save.

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### Hormel\_Oracle\_ERP\_CommonContext

Master copy of all other common security context details is maintained in the dataset named ‘Hormel\_Oracle\_ERP\_CommonContext’

**Dataset Header:** SecurityContext,SecurityContextValue

**Dataset Column Description:**

|  |  |
| --- | --- |
| Column | Description |
| SecurityContext | SecurityContext is the security context name.  CAS\_MASter - Security Context Picklists Sheet |
| SecurityContextValue | SecurityContextValue is the security context value.  CAS\_MASter - Security Context Picklists Sheet |

**Steps to Upload Dataset:**

1. Navigate to Admin -> Identity Repository -> Dataset -> click on the dataset with name ‘Hormel\_Oracle\_ERP\_CommonContext.

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1. Navigate to Dataset Values tab and click on ‘Dataset Fresh Import’.

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1. Add the Header mentioned in the above section and upload the file.

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1. Click on Save.

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### All Dataset Master Files



## Scheduled Jobs

The following section provides details about the scheduled task that will be configured in SSM.

|  |  |  |  |
| --- | --- | --- | --- |
| # | Job Name | Description | Frequency / Ad-hoc |
| 1 | [ORACLE\_ERP\_ACCOUNTIMPORT](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=ApplicationDataImportJob&jobgroup=DATA&trigger=ORACLE_ERP_ACCOUNTIMPORT) | [Application Data Import (Multi Threaded)](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=ApplicationDataImportJob&jobgroup=DATA&trigger=) | Every 2 hours |
| 2 | [ORACLE\_ERP\_ACCESS\_IMPORT](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=ApplicationDataImportJob&jobgroup=DATA&trigger=ORACLE_ERP_ACCESS_IMPORT) | [Application Data Import (Multi Threaded)](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=ApplicationDataImportJob&jobgroup=DATA&trigger=) | At 8:30 PM (UTC) Everyday |
| 3 | [ORACLE\_ERP\_PROVISIONING](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=WSRetryJob&jobgroup=utility&trigger=ORACLE_ERP_PROVISIONING) | [Provisioning Job (WSRETRYJOB)](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=WSRetryJob&jobgroup=utility&trigger=) | Every 2 hours |

# DB connector – For Import Data Securities Entitlments

## Connection: Name Attribute Sync

1. Login to Saviynt Security Manager (SSM) as administrator.
2. Click on “Admin” tab on top menu bar and click on “Identity Repository”. Under “Identity Repository” select “Connections”.
3. Click on “Connection List” and then click on “Name Attribute Sync” connection.
4. Update “Name Attribute Sync” connection as below.

|  |  |
| --- | --- |
| Attribute Name | Attribute Value |
| Connection Name | Name Attribute Sync |
| URL | jdbc:mysql://hormel-prod-eic-mysql.mysql.database.azure.com:3306/saviyntv5?serverTimezone=UTC&useUnicode=yes&characterEncoding=UTF-8 |
| USERNAME | hormel-prod-svacc@hormel-prod-eic-mysql |
| PASSWORD | Specify the password for establishing the connection. |
| DRIVERNAME | com.mysql.jdbc.Driver |
| ENTITLEMENTVALUEIMPORT | <dataMapping>  <sql-query description="This is the Source Database Query">  <![CDATA[  select processed\_entitlements.endpointname as 'Endpoint', processed\_entitlements.securitysystemname as 'securitysystem', processed\_records.DATASECURITIES as 'entitlementvalue', processed\_records.DATASECURITIES as'entitlementID', processed\_records.DATASECURITIESDISPLAYNAME as 'displayname', 'DataSecurities' as 'entitlementtype', processed\_records.DATASET1\_A4 as 'customproperty1', processed\_records.DATASET1\_A5 as 'customproperty2', processed\_records.DATASET2\_A2 as 'customproperty3', processed\_records.DATASET1\_A2 as 'customproperty4', processed\_entitlements.ENTITLEMENTID as 'customproperty5', processed\_records.DATASET1\_A6 as 'owners','1' as 'status', u.username as 'entitlementowner' from (select dv1.DATASETKEY as DATASET1\_KEY, dv1.DATASETNAME as DATASET1\_NAME, dv1.DATASET\_VALUESKEY as DATASET1\_DVKEY, dv1.ATTRIBUTE1 as DATASET1\_A1, dv1.ATTRIBUTE2 as DATASET1\_A2, dv1.ATTRIBUTE3 as DATASET1\_A3, dv1.ATTRIBUTE4 as DATASET1\_A4, dv1.ATTRIBUTE5 as DATASET1\_A5, dv1.ATTRIBUTE6 as DATASET1\_A6, dv2.DATASETKEY as DATASET2\_KEY, dv2.DATASETNAME as DATASET2\_NAME, dv2.DATASET\_VALUESKEY as DATASET2\_DVKEY, dv2.ATTRIBUTE1 as DATASET2\_A1, dv2.ATTRIBUTE2 as DATASET2\_A2, concat(dv1.ATTRIBUTE4,'~',dv1.ATTRIBUTE5,'~',dv2.ATTRIBUTE2) as DATASECURITIES, case when dv2.DATASETNAME in ('Hormel\_Oracle\_ERP\_InventoryContext', 'Hormel\_Oracle\_ERP\_ManufacturingContext') then concat(dv1.ATTRIBUTE3,'~',dv1.ATTRIBUTE5,'~',dv2.ATTRIBUTE1,' - ',dv2.ATTRIBUTE2) when dv2.DATASETNAME='Hormel\_Oracle\_ERP\_CommonContext' then concat(dv1.ATTRIBUTE3,'~',dv1.ATTRIBUTE5,'~',dv2.ATTRIBUTE2) end as DATASECURITIESDISPLAYNAME, concat(dv1.ATTRIBUTE5,'-',dv1.ATTRIBUTE2) as SECURITYCONTEXT\_WORKSTREAM from dataset\_values dv1 CROSS JOIN dataset\_values dv2 where dv1.DATASETNAME='Hormel\_Oracle\_ERP\_Role\_SecurityContext\_Master' AND ((dv2.DATASETNAME='Hormel\_Oracle\_ERP\_CommonContext' AND dv1.ATTRIBUTE5 ='Business unit' AND dv2.ATTRIBUTE1=concat(dv1.ATTRIBUTE5,'-',dv1.ATTRIBUTE2)) OR (dv2.DATASETNAME='Hormel\_Oracle\_ERP\_CommonContext' AND dv2.ATTRIBUTE1=dv1.ATTRIBUTE5) OR (dv1.ATTRIBUTE5 ='Inventory organization' AND dv2.DATASETNAME='Hormel\_Oracle\_ERP\_InventoryContext') OR (dv1.ATTRIBUTE5 ='Manufacturing plant' AND dv2.DATASETNAME='Hormel\_Oracle\_ERP\_ManufacturingContext'))) processed\_records left join (select ev.entitlement\_value as entitlement\_value, ev.ENTITLEMENTID as ENTITLEMENTID, s.SYSTEMNAME as securitysystemname, e.ENDPOINTNAME as endpointname from endpoints e join securitysystems s on s.SYSTEMKEY=e.SECURITYSYSTEMKEY join entitlement\_types et on e.endpointkey = et.endpointkey join entitlement\_values ev on et.entitlementtypekey = ev.entitlementtypekey where e.ENDPOINTNAME='Oracle ERP' AND et.ENTITLEMENTNAME='Roles') processed\_entitlements on processed\_records.DATASET1\_A4=processed\_entitlements.entitlement\_value left join users u on FIND\_IN\_SET(u.username,processed\_records.DATASET1\_A6) WHERE processed\_records.DATASET1\_A6 is not null  ]]>  </sql-query>  <mapper description="This is the mapping field for Saviynt Field name" deleteentitlementowner="true" entnotpresentaction="noaction" createentitlementtype="false">  <mapfield saviyntproperty="endpoints.endpointname" sourceproperty="Endpoint" type="character"/>  <mapfield saviyntproperty="securitysystems.systemname" sourceproperty="securitysystem" type="character"/>  <mapfield saviyntproperty="entitlementvalues.entitlement\_value" sourceproperty="entitlementvalue" type="character"/>  <mapfield saviyntproperty="entitlementvalues.displayname" sourceproperty="displayname" type="character"/>  <mapfield saviyntproperty="entitlementtypes.entitlementname" sourceproperty="entitlementtype" type="character"/>  <mapfield saviyntproperty="entitlementvalues.customproperty1" sourceproperty="customproperty1" type="character"/>  <mapfield saviyntproperty="entitlementvalues.customproperty2" sourceproperty="customproperty2" type="character"/>  <mapfield saviyntproperty="entitlementvalues.customproperty3" sourceproperty="customproperty3" type="character"/>  <mapfield saviyntproperty="entitlementvalues.customproperty4" sourceproperty="customproperty4" type="character"/>  <mapfield saviyntproperty="entitlementvalues.customproperty5" sourceproperty="customproperty5" type="character"/>  <mapfield saviyntproperty="entitlementvalues.status" sourceproperty="status" type="character"/>  <mapfield saviyntproperty="entitlementvalues.entowner1" sourceproperty="entitlementowner" type="character"/>  </mapper>  </dataMapping> |

## Scheduled Jobs

The following section provides details about the scheduled task that will be configured in SSM.

|  |  |  |  |
| --- | --- | --- | --- |
| # | Job Name | Description | Frequency / Ad-hoc |
| 1 | [ORACLE\_ERP\_DATA\_SECURITIES\_IMPORT](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=EntitlementValueImportJob&jobgroup=DATABASE&trigger=ORACLE_ERP_DATA_SECURITIES_IMPORT) | [Entitlements Import from Database (EntitlementValueImportJob)](https://hormel.ssmcloud.net/ECM/jobcontrol/jobhistorydetail?jobname=EntitlementValueImportJob&jobgroup=DATABASE&trigger=) | At 10:15 AM (UTC), only in 2099 |