

RSA Identity Governance and Lifecycle Connector Data Sheet for Oracle Database



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Purpose

This data sheet provides the configuration information required to create a new Oracle Database connector.

Supported Software

RSA Identity Governance and Lifecycle Version: 6.8.1 and later

Application: Oracle Database Server 11g,12c and later.

Prerequisites

Install Oracle Database

Configuration

The Connector creation is made up of three sections:

General – General details about the Connector; viz. the name, type etc.

Settings – The connection settings required to connect the RSA-IMG and the End-point Application in consideration.

Capabilities – These are the list of “verbs” or capabilities that the RSA-IMG Connector supports; for e.g. “Create, Update, Delete, etc.”

General

The following table lists the parameters on the “General” screen, while creating the Connector.

Field Name	Value
Name	Oracle Connector
Description	Oracle Database Connector
Server	AFX Server
Connector Template	Oracle
State	Active
Export As Template	N/A

Settings

The following table lists the parameters on the “Settings” screen, while creating the Connector.

Field Name	Value
Driver Class	oracle.jdbc.driver.OracleDriver
Driver URL	jdbc:oracle:thin:@[server]:[port]:[sid]
User Name	Username
Password	Password
Use Secure Connection	If SSL true, Otherwise false.
SSL TrustStore Path	Path of SSL trust store certificates. E.g. /tmp/server/ewallet.p12 <i>Note: If your Database is hosted on a different machine(other than localhost). Please copy /tmp/server from the database server to /tmp at RSA Identity G&L Server.</i>
SSL TrustStore Type	Type SSL certificates. E.g. PKCS12
SSL TrustStore Password	Password for SSL trust store

Capabilities

Commands

- CreateAccount
- DeleteAccount
- ResetPassword
- AddAccountToGroup
- RemoveAccountFromGroup

- EnableAccount
- DisableAccount
- UpdateAccount
- AddAppRoleToAccount
- RemoveAppRoleFromAccount
- AddRoleToAccount
- RemoveRoleFromAccount
- AddEntToAccount
- RemoveEntFromAccount
- CreateGroup
- DeleteGroup
- AddEntToGroup
- RemoveEntFromGroup
- AddAppRoleToGroup
- RemoveAppRoleFromGroup
- AddGroupToGroup
- RemoveGroupFromGroup
- AddAppRoleToAppRole
- RemoveAppRoleFromAppRole
- AddEntToAppRole
- RemoveEntFromAppRole
- CreateRole
- DeleteRole
- ChangeRoleProfile
- DisableRole
- EnableRole
- AddAppRoleToRole
- RemoveAppRoleFromRole
- AddEntToRole
- RemoveEntFromRole
- AddGroupEntToRole
- RemoveGroupEntFromRole
- ChangeDataResource

Command Input Parameters

CreateAccount

- Map Account to \${User.Name}
- Map Password \${AccountTemplate.Password}
- SQL Command: CREATE USER \${Account} IDENTIFIED BY \${Password}

DeleteAccount

- Map Account to \${Account.Name}
- SQL Command: DROP USER \${Account} CASCADE

ResetPassword

- Map Account to \${Account.Name}
- Map Password \${AccountTemplate.Password}
- SQL Command: ALTER USER \${Account} IDENTIFIED BY \${Password}

AddAccountToGroup

- Map Account to \${Account.Name}
- Map Group to \${Group.Name}

RemoveAccountFromGroup

- Map Account to \${Account.Name}
- Map Group to \${Group.Name}

EnableAccount

- Map Account to \${Account.Name}
- SQL Command: GRANT CREATE SESSION TO \${Account}

DisableAccount

- Map Account to \${Account.Name}
- SQL Command: REVOKE CREATE SESSION FROM \${Account}

UpdateAccount

- Map Account to \${Account.Name}
- Map Name to \${User.Lastname}
- SQL Command: ALTER USER \${Account} PROFILE \${Profile}

AddAppRoleToAccount

- Map Account to \${Account.Name}

- Map AppRole to \${ApplicationRole.Name}
- SQL Command: GRANT \${AppRole} TO \${Account}

RemoveAppRoleFromAccount

- Map Account to \${Account.Name}
- Map AppRole to \${ApplicationRole.Name}
- SQL Command: REVOKE \${AppRole} FROM \${Account}

AddRoleToAccount

- Map Account to \${Account.Name}
- Map Role
- SQL Command: GRANT \${Role} TO \${Account} WITH ADMIN OPTION

RemoveRoleFromAccount

- Map Account to \${Account.Name}
- Map Role
- SQL Command: REVOKE \${Role} FROM \${Account}

AddEntToAccount

- Map Account to \${Account.Name}
- Map Resource to \${Entitlement.Resource}
- Map Action to \${Entitlement.Action}
- SQL Command: GRANT \${Action} ON \${Resource} TO \${Account}

RemoveEntFromAccount

- Map Account to \${Account.Name}
- Map Resource to \${Entitlement.Resource}
- Map Action to \${Entitlement.Action}
- SQL Command: REVOKE \${Action} ON \${Resource} FROM \${Account}

CreateGroup

- Map Group to \${Group.Name}

DeleteGroup

- Map Group to \${Group.Name}

AddEntToGroup

- Map Group to \${Group.Name}
- Map Resource to \${Entitlement.Resource}

- Map Action to \${Entitlement.Action}

RemoveEntFromGroup

- Map Group to \${Group.Name}
- Map Resource to \${Entitlement.Resource}
- Map Action to \${Entitlement.Action}

AddAppRoleToGroup

- Map Group to \${Group.Name}
- Map AppRole to \${ApplicationRole.Name}

RemoveAppRoleFromGroup

- Map Group to \${Group.Name}
- Map AppRole to \${ApplicationRole.Name}

AddGroupToGroup

- Map Group to \${Group.Name}
- Map Group2 to \${Group.Name}

RemoveGroupFromGroup

- Map Group to \${Group.Name}
- Map Group2 to \${Group.Name}

AddAppRoleToAppRole

- Map AppRole to \${ApplicationRole.Name}
- Map SubAppRole to \${ApplicationRole.Name}
- SQL Command: GRANT \${SubAppRole} TO \${AppRole}

RemoveAppRoleFromAppRole

- Map AppRole to \${ApplicationRole.Name}
- Map SubAppRole to \${ApplicationRole.Name}
- SQL Command: REVOKE \${SubAppRole} FROM \${AppRole}

AddEntToAppRole

- Map AppRole to \${ApplicationRole.Name}
- Map Resource to \${Entitlement.Resource}
- Map Action to \${Entitlement.Action}
- SQL Command: GRANT \${Action} ON \${Resource} TO \${AppRole}

RemoveEntFromAppRole

- Map AppRole to \${ApplicationRole.Name}
- Map Resource to \${Entitlement.Resource}
- Map Action to \${Entitlement.Action}
- SQL Command: REVOKE \${Action} ON \${Resource} FROM \${AppRole}

CreateRole

- Map Role
- SQL Command: CREATE ROLE \${Role}

DeleteRole

- Map Role
- SQL Command: DROP ROLE \${Role}

ChangeRoleProfile

- Map Role
- Map Profile

DisableRole

- Map Role

EnableRole

- Map Role

AddAppRoleToRole

- Map Role
- Map AppRole to \${ApplicationRole.Name}
- SQL Command: GRANT \${AppRole} TO \${Role}

RemoveAppRoleFromRole

- Map Role
- Map AppRole to \${ApplicationRole.Name}
- SQL Command: REVOKE \${AppRole} FROM \${Role}

AddEntToRole

- Map Role
- Map Action to \${Entitlement.Action}
- SQL Command: GRANT \${Action} TO \${Role} WITH ADMIN OPTION

RemoveEntFromRole

- Map Role
- Map Action to \${Entitlement.Action}
- SQL Command: REVOKE \${Action} FROM \${Role}

AddGroupEntToRole

- Map Role
- Map Action to \${Entitlement.Action}

RemoveGroupEntFromRole

- Map Role
- Map Action to \${Entitlement.Action}

ChangeDataResource

- Map Data Resource

Limitations

- As of now, there is no mapping supported for Roles, Profiles and Data Resources by ACM.
- Currently, Oracle Database does not support the following operations:
 - All group related operations
 - Enable / Disable Role
 - ChangeDataResource
 - ChangeRoleProfile

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