

Oracle Database as Additional Profile Provider Configuration Guide

Introduction

Use this guide along with the [Data Tab Configuration](#) guide to configure a SecureAuth IdP realm that uses Oracle Database as an additional Profile Provider.

Prerequisites

- An on-premises Oracle Database with which SecureAuth IdP can integrate
SecureAuth IdP supports versions 11.2 and 12.1, and supports with limitations versions 11.1 and 10.2
- Create or enable an admin account that has read access (and optional write access) to the tables and stored procedures
Write access is required to update user profile information, such as creating new users and changing passwords
- Download the [Oracle Data Access Components](#) and install it onto the SecureAuth IdP appliance
More download information found [here](#)

Oracle Database Configuration Steps

 Refer to [Oracle Database Configuration Guide](#) for directory configuration steps, including sample tables and stored procedures

▼ Profile Provider Settings

Same As Above:

Default Profile Provider:

1. In the **Profile Provider Settings** section, select **True** from the **Same as Above** dropdown to copy the data store integration from the **Membership Connection Settings** section for use in profile connection; or select **False** if that directory is only used for the membership connection.
2. Select **Oracle** from the **Default Profile Provider** dropdown if Oracle is to be used as the default profile provider



- If another **Oracle** data store is configured in the **Membership Connection Settings** section, and **True** is selected from the **Same as Above** dropdown, then those settings appear in the **Profile Connection Settings** (below) and must be modified to reflect the settings of the new Oracle data store
- Only one **Oracle** can be utilized for profile connection
- If another directory is selected from the **Default Profile Provider** dropdown, then **Oracle** must be selected from **Source** dropdown in the **Profile Fields** section for the SecureAuth IdP **Properties** that are mapped to Oracle fields

Profile Connection Settings

Version 9.0.0

▼ Profile Connection Settings

Data Store: Oracle ▼

Connection String: Data Source=(DESCRIPTION=(A

Get Profile SP: GETUSERPROFILE

Update Profile SP: UPDATEUSERPROFILE

Test Connection

Please make sure to install 64-bit ODAC (Oracle Database Access Components) before testing connection.

3. Select **Oracle** from the **Data Store** dropdown

4. Provide or modify the given **Connection String** in the following format:

```
Data Source=(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=localhost)(PORT=1522)))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=[DBName]))); User Id=[username];Password=[password]
```

Replace **localhost** (after HOST) with the Server Name or IP Address of the Oracle Database if it is not on the same server

Replace **1522** with the appropriate PORT number if using a different port

Replace **[DBName]** with the name of the database

Replace **[username]** with the username of the service account

Replace **[password]** with the password of the service account

5. Provide the **Stored Procedure Name** for the **Get Profile SP**

6. Provide the **Stored Procedure Name** for the **Update Profile SP**



If the tables and stored procedures from the [Oracle Database Configuration Guide](#) were used and the names were unchanged, steps 5 and 6 can be left as the default

7. Click **Test Connection** to ensure that the connection is successful

Version 9.0.1+

Profile Connection Settings

Datastore Type

Data Server: Oracle

Use CyberArk Vault for credentials

Connection String: data source=

Get Profile SP: GETUSERPROFILE

Update Profile SP: UPDATEUSERPROFILE

Test Connection

Please make sure to install 64-bit ODAC (Oracle Database Access Components) before testing connection.

Datastore Type

3. Select **Oracle** from the **Data Server** dropdown

i If using CyberArk Vault for credentials, enable **Use CyberArk Vault for credentials** and follow the steps in [CyberArk Password Vault Server and AIM Integration with SecureAuth IdP](#)

4. Provide or modify the given **Connection String** in the following format:

```
Data Source=(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=localhost)(PORT=1522)))
(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=
[DBName]))); User Id=[username];Password=[password]
```

Replace **localhost** (after HOST) with the Server Name or IP Address of the Oracle Database if it is not on the same server

Replace **1522** with the appropriate PORT number if using a different port

Replace **[DBName]** with the name of the database

Replace **[username]** with the username of the service account

Replace **[password]** with the password of the service account

5. Provide the **Stored Procedure Name** for the **Get Profile SP**

6. Provide the **Stored Procedure Name** for the **Update Profile SP**

i If the tables and stored procedures from the [Oracle Database as Additional Profile Provider Configuration Guide](#) were used and the names were unchanged, steps 5 and 6 can be left as the default

7. Click **Test Connection** to ensure that the connection is successful



Refer to [Data Tab Configuration](#) to complete the configuration steps in the **Data** tab of the Web Admin