

Lightweight Directory Services (AD-LDS) Configuration Guide

Introduction

Use this guide along with the [Data Tab Configuration](#) guide to configure a Lightweight Directory Services (AD-LDS)-integrated SecureAuth IdP realm.

Prerequisites

- An on-premises **Lightweight Directory Services (AD-LDS)** data store
- A service account with read access (and optional write access) for SecureAuth IdP

Lightweight Directory Services (AD-LDS) Configuration Steps

Membership Connection Settings

Datastore Type

Type: Lightweight Directory Service ▼

Datastore Connection

Domain: @ [redacted] Generate LDAP Connection String

Connection String: LDAP:// [redacted]

Anonymous LookUp: False ▼

Connection Mode: Secure ▼

Datastore Credentials

Use CyberArk Vault for credentials

Service Account: [redacted]

Password: [redacted]

Search Filter

Search Attribute: cn Generate Search Filter

searchFilter: (&(cn=%v)(objectclass=user))

Group Permissions

Advanced AD User Check: True ▼

Validate User Type: Search ▼

User Group Check Type: Allow Access ▼

User Groups: [redacted] Include Nested Groups

Groups Field: memberOf

Max Invalid Password Attempts: 10

Datastore Type

1. Select **Lightweight Directory Services (AD-LDS)** from the **Type** dropdown

Datastore Connection

2. Provide the **Domain** of the Active Directory
3. Click **Generate LDAP Connection String**, and the **Connection String** will auto-populate
4. Select **False** from the **Anonymous LookUp** dropdown
5. Select the type of **Connection Mode** to be used from the dropdown

i **Connection Mode** pertains to how SecureAuth IdP and the directory connect:

- **Secure:** Enable a secure LDAP connection on Port 389, using NTLMv2.
- **SSL:** Enable a secure connection on Port 636, but uses Secure Socket Layer technology, which relies on certificates.
- **Standard:** Enable a standard LDAP connection on Port 389 that uses basic authentication (plain text).

Datastore Credentials

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](#)

With this feature, steps 6 and 7 are not required

6. Provide the SecureAuth IdP **Service Account** username, and it will be @ the directory domain
7. Provide the **Password** that is associated with the **Service Account**

Search Filter

8. Provide the **Search Attribute** to be used to search for the user's account in the directory, e.g. **cn**
9. Click **Generate Search Filter**, and the **searchFilter** will auto-populate

The value that equals %v is what the end-user will provide on the login page, so if it is different from the **Search Attribute**, change it here

For example, if the **Search Attribute** is **cn**, but end-users will log in with their email addresses (field= **mail**), the **searchFilter** would be **&(mail=%v)(objectclass=user)**

Group Permissions

10. Select **True** from the **Advanced AD User Check** to check for more information than just the username, such as if the account is locked
11. Select **Search** from the **Validate User Type** dropdown if SecureAuth IdP is to use the search function to find a username and password
 - Select **Bind** if SecureAuth IdP is to make a direct call to the directory to validate the username and password

12. Select **Allow Access** from the **User Group Check Type** to create a list of allowed user groups; select **Deny Access** to create a list of denied user groups

13. Provide the allowed or denied **User Groups** based on the selection in step 12, e.g. **Admins**

Leave this field blank if there is no access restriction

14. Check **Include Nested Groups** if the subgroups from the listed **User Groups** are to be allowed or denied access as well

15. Provide the **Groups Field** that contains users' groups, e.g. **memberOf**

16. Set the **Max Invalid Password Attempts** before a user's account is locked

17. Click **Test Connection** to ensure that the integration is successful



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



Refer to [LDAP Attributes / SecureAuth IdP Profile Properties Data Mapping](#) for information on the **Profile Properties** section