

# Novell eDirectory Configuration Guide

## Introduction

Use this guide along with the [Data Tab Configuration](#) guide to configure a Novell eDirectory-integrated SecureAuth IdP realm.

## Prerequisites

- An on-premises **Novell eDirectory** data store
- A service account with read access (and optional write access) for SecureAuth IdP

## Novell eDirectory Configuration Steps

## Membership Connection Settings

### Datastore Type

Type: Novell eDirectory

### 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] @ [redacted]

Password: [redacted]

### Search Filter

Search Attribute: uid Generate Search Filter

searchFilter: (&(uid=%v)(objectclass=inetOrgPerson))

### 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

Test Connection

## Datastore Type

1. Select **Novell eDirectory** 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 **True** from the **Anonymous LookUp** dropdown if the directory can be searched without supplying the username

Select **False** if the username must be supplied to search the directory

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 in the Distinguished Name (DN) format, e.g. **cn=svc-account,DC=directory,DC=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. **uid**

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 **uid**, but end-users will log in with their email addresses (field= **mail**), the **searchFilter** would be (**&(mail=%v)(objectclass=inetOrgPerson)**)

## 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