

Integrate Windows AD with CentOS using SSSD

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How to integrate Windows AD with Centos 8 using SSSD?

Ensure that the following ports on the RHEL host are open and accessible to the AD domain controllers.

DNS =53, LDAP =389, Kerberos 88 & 464, LDAP Global Catalog 3268 and NTP 123 (UDP)

Verify that the system time on both systems is synchronized. This ensures that Kerberos is able to work correctly.

Refer article to [correct server time in Centos, RHEL, Ubuntu, SUSE](#)

1. Login to Ezeelogin Web-GUI > open settings > Ldap

[How to find base DN and bind RDN](#)

Add the details of LDAP configurations.

Ezeelogin Welcome, Administrator Logout

LDAP Settings

Name: ezad

URI(s): ldap://ezad.com

Start TLS: ☐

Bind RDN: CN=Administrator,CN=Users,DC=ezad,DC=com

UID Attribute: sAMAccountName

First Name Attribute: givenName

Email Attribute: mail

Timeout: 10

Active: ☒

Verify Certificate: ☐

Base DN: CN=Users,DC=ezad,DC=com

Bind Password:

Filter:

Last Name Attribute: sn

Group Attribute:

Rank: 10

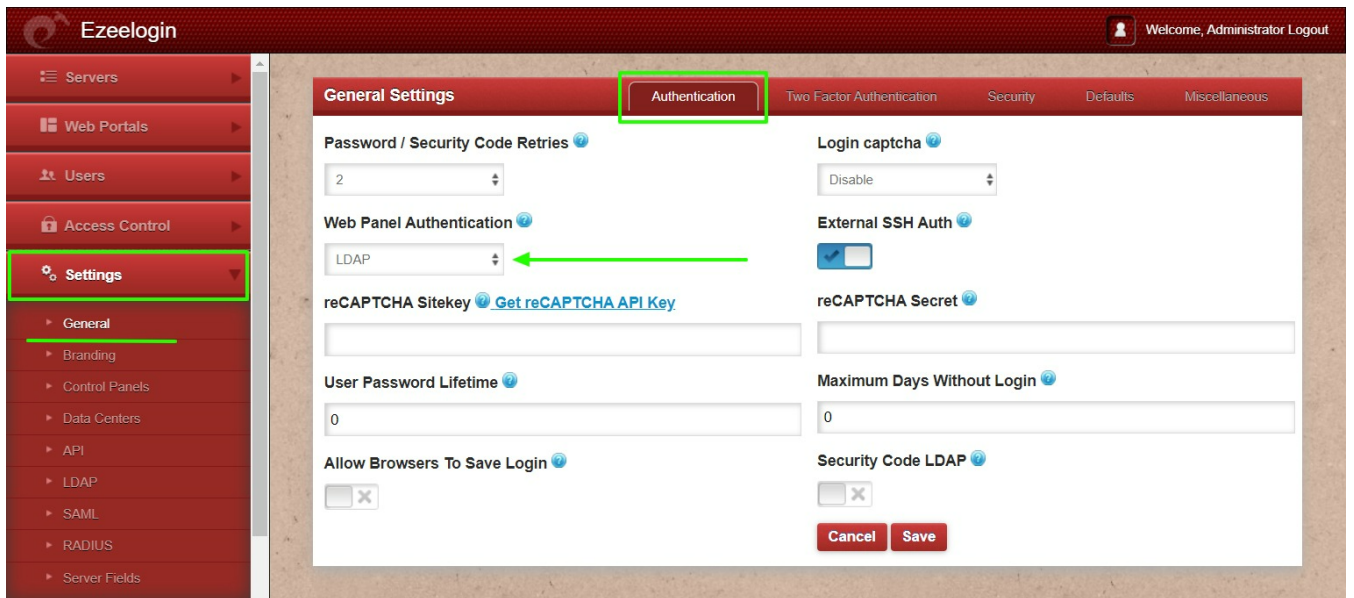
Windows Active Directory: ☒

Cancel Save

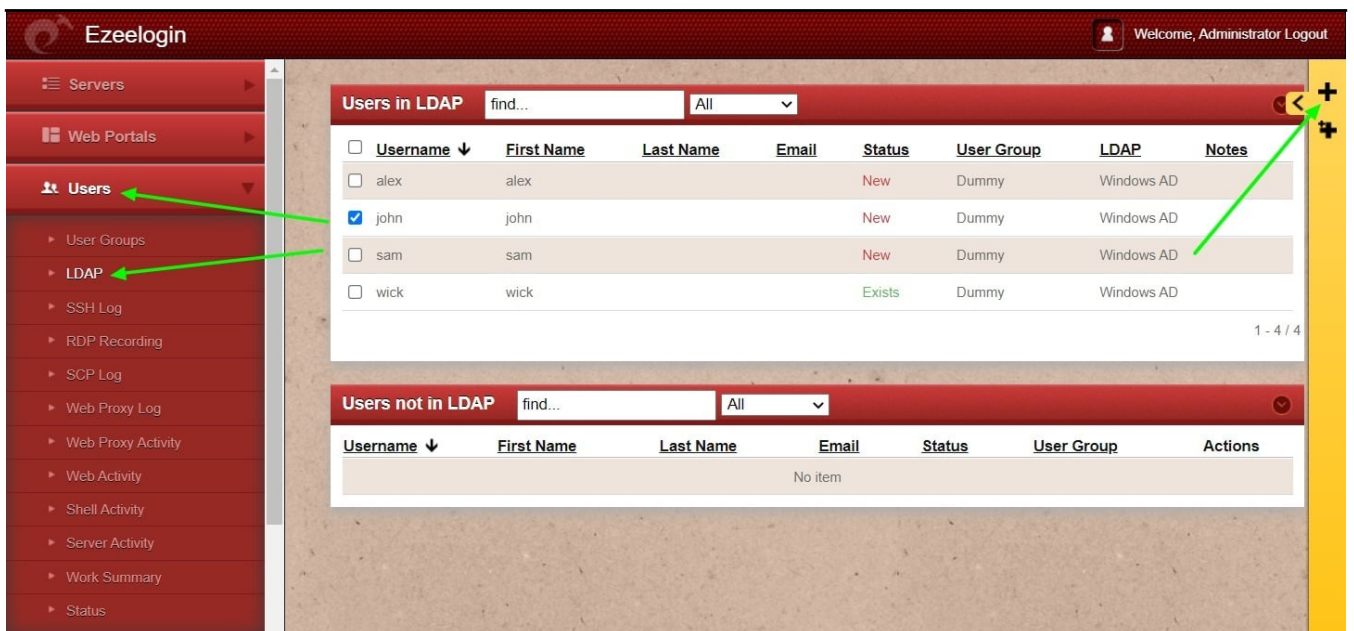
Verify Certificate feature is only available from **Ezeelogin version 7.35.0**.

Refer [article to upgrade Ezeelogin to the latest version](#).

2. Go to **Settings > General > Authentication** > change **Web Panel Authentication** to **LDAP**

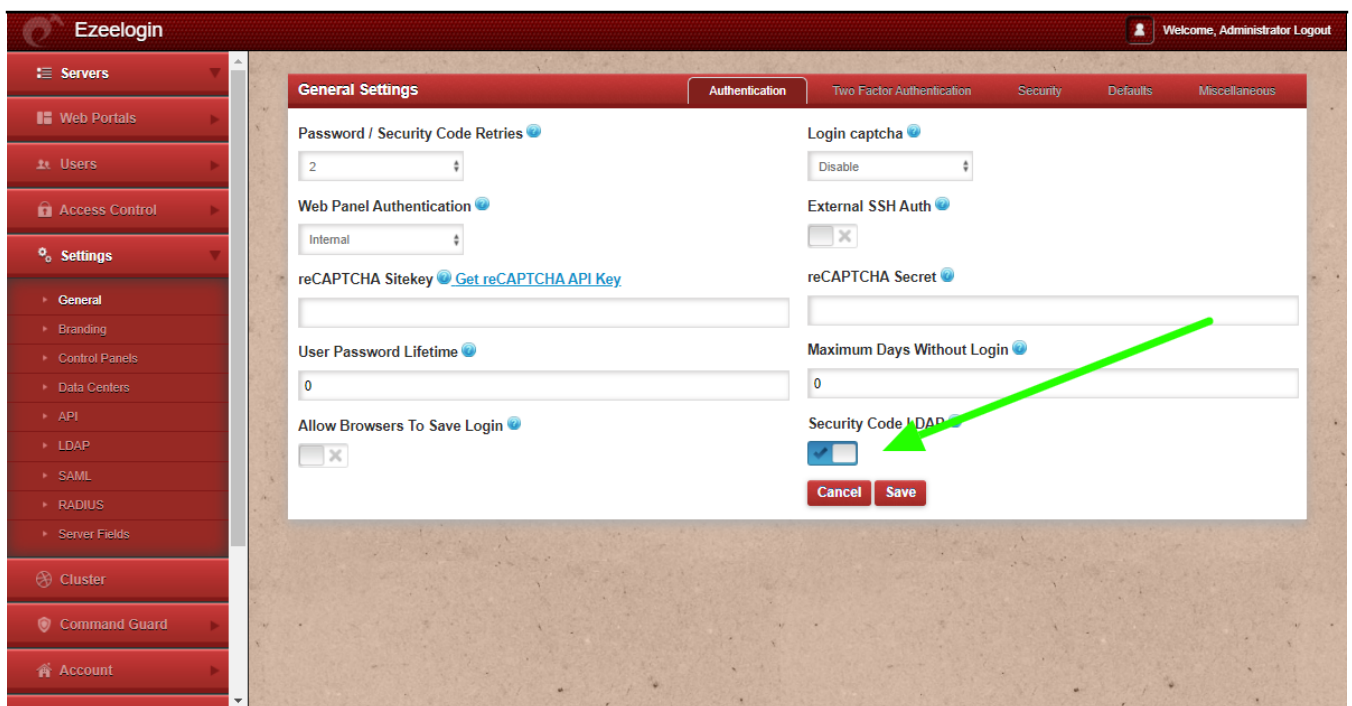


3. Select the LDAP users and click on the button to import users into Ezeelogin



You can confirm the imported LDAP users were listed in the Users tab in Ezeelogin GUI. You will be able to log in to Ezeelogin GUI with windows user credentials.

4. Enable Security Code LDAP option from Settings > General > Authentication, if the user does not want to login to Ezeelogin GUI to set up a security code.



Backend configuration to integrate Windows with RHEL 8

1. Install required packages.



2. Provide Windows IP and Windows domain name in hosts file.



3. Provide Windows IP in resolv.conf to resolve and discover AD domain.



4. Check if AD domain discovery is successful. Refer below example with ldapad.com



5. Join CentOS 8 in Active Directory domain. Replace Administrator with Windows admin account.



6. Confirm joining successful with realm list. Refer below example.



7. After successful joining you will get below sssd.conf and you need to change use_fully_qualified_names to False and shell to ezsh.

8. Restart sssd and nscd using the below commands.

```
root@gateway ~]# service sssd restart && service nscd restart
```

9. Run `id username /getent passwd username` and see AD user

details.

```
root@gateway ~]# id john
uid=1701601108(john) gid=1701600513(domain users) groups=1701600513(domain users)

root@gateway ~]# getent passwd john
john:*:1701601108:1701600513:john user:/home/john@ldapad.com:/usr/local/bin/ezsh
```

Use the below command to clear the cache of the user.

```
root@gateway ~]# sss_cache -u username
```

Related Information

[Integrate Windows AD with RHEL 8 using SSSD](#)

[Integrate OpenLdap with Centos 8 using SSSD](#)

Online URL:

<https://www.ezeelogin.com/kb/article/integrate-windows-ad-with-centos-using-sssd-430.html>