# How do I configure Ezeelogin to authenticate using Windows\_AD(Pam-LDAP) in CentOS?

186 Manu Chacko March 27, 2025 Tweaks & Configuration 14566

## Integration of WINDOWS-AD (PAM-LDAP) in CentOS 7/6

**Overview:** This article details the steps to integrate WINDOWS-AD (PAM-LDAP) in CentOS 7/6. It includes PHP-LDAP installation, LDAP configuration via web GUI, and setting up PAM\_LDAP for SSH access, ensuring seamless LDAP user import and configuration verification.

Make sure that the PHP-LDAP extension is installed on the server

root@gateway:~# yum install php-ldap openldap openldap-clients; apachectl restart

#### Step 1: Login to Web-GUI -> open settings -> Ldap

How to find base DN and bind RDN

Step 2: Add the details of LDAP configurations & enable Windows Active Directory.

Multiple URIs or a list of URIs can be specified in the format:

Idaps://host.com:636/ Idaps://host.com:636/

(Only the protocol, hostname, and port fields are allowed.)

Ezeelogin			Welcome, Administrator Logou
t≣ Servers ►	•	I DAP Sattings	
📲 Web Portals 🔹 🕨	*	Name	
±t Users ►		ldap	
🖬 Access Control 🛛 🕨		URI(s) 📦	
°₀ Settings 🔍		ldap://192.168.1.10	
<ul> <li>General</li> </ul>	1.3	Start TLS 🥪	Base DN 🐵
<ul> <li>Branding</li> </ul>		×	CN=Users,DC=windowsad,DC=com
Control Panels		Bind RDN 🖗	Bind Password
<ul> <li>Data Centers</li> </ul>		CN=Administrator CN=Lleare DC=windowead DC=com	
► API		Che-Administrator, Che-Oseis, DCmindonsad, DC-com	
► LDAP		UID Attribute 💿	Filter 🕹
► SAML	x	sAMAccountName	
FIDO2		First Name Attribute 🐵	Last Name Attribute 😨
► RADIUS		givenName	
<ul> <li>SIEM</li> <li>Server Fields</li> </ul>		Email Attribute 🥃	Group Attribute 🐨
Cluster	~	mail	
		Timeout 😨	Rank 🥹
Command Guard	1200	10	10
斧 Account ト		Active 😨	Windows Active Directory 😨
🛇 Help 🕨 🕨			
, License		Verify Certificate @	Cancel Save

Step 3: Under Settings -> General Settings -> Authentication -> Change web panel authentication to LDAP & enable External SSH Auth

Ezeelogin							🔳 v	Velcome, Administrator Logout
🗄 Servers 🕨 🗖		General Settings		Authentication	Two Factor Authentication	Security	Defaults	Miscellaneous
🔚 Web Portals 🔹 🕨	*	Password / Security Code Retries 🕡	Login ca	ptcha 🕢				
±t Users ►		2 \$	Disable	÷				•
Access Control		Web Panel Authentication 🤍	External	SSH Auth 🥹				
⁰₀ Settings		LDAP \$		CLIA Secret				
> General		reCAPTCHA Sitekey Cet reCAPTCHA API Key	recarto	CHA Secret				
Branding	1	Lass Bessured Lifetime	Maximu	m Dave Without Loc	in 🚳			
<ul> <li>Control Panels</li> </ul>			Waximu	in Days without Log	nn 🗸			
<ul> <li>Data Centers</li> </ul>		0	U					
> API	No.	Allow Browsers To Save Login 😨	Security	Code LDAP 💿				
> LUAP	1.4	X	×					1
PANIL DADUG	N.		Cancel	Save				10.25
PRADIUS Sequer Fielde			Contra State of St				· · · · · · · · · · · · · · · · · · ·	
- Surra Fictus								
Cluster								
Command Guard								
Account								
🛇 Help 🕨 🕨				in the				in the second
License								
∢Collapse				•				1

Step 4: Select the LDAP users and import them to Ezeelogin

Ezeelogin								Velco	ome, Administrator I	Logou
t≣ Servers	•			All				Imp	ort/Update selected	
Web Portals		Username ↓	First Name	Last Name	Email	<u>Status</u>	<u>User Group</u>	LDAP	Notes	7
± Users		alex	alex			New	Dummy	openIdap		
		🗹 jake	jake			New	Dummy	openIdap		
		🗋 john	john			New	Dummy	openIdap	1	
Authentication Log									1 - 3 /	3
	1.1	and the second second		lesione consideration	AND AND AND AND	S.S. A.S.		1	Second Second	
	0.0	Users not in LDAF	find	All	~				0	
		<u>Username</u> ↓	First Name	Last Name	Email	Sta	itus <u>User (</u>	Group	Actions	
					No item					
		· ·		North States of States	A. 19	and the second				
							** 1 · · ·	5 - ( S -		
		and the state of the	a start and		S	· Aller		i i i i		

Step 5: You can confirm the imported LDAP users were listed in the users tab. After the successful import you can login as the LDAP user.

**Note:** When importing an LDAP user, they will be assigned to the default group or the mapped user group. After the import, if we change the LDAP user to another user group, we will receive a note saying "Group Mismatch." This is not an error.

Ezeelogin									Welcome, Admin
E Servers	•								
Web Portals	•		G First Name	Last Name	Email	Status	User Group	LDAP	Notes
L Users	•	0	Alico			New	groupidap	Idap 1	
User Groups		achristy	Anu			Exists	groupIdap	Idap1	Group mismatch
LDAP		-U-#	Laya			New	groupidap	idap1	
		Renth							and the second second
		Users not in LDAP	find	All 🗸					
		<u>Username</u> ↓	First Name	Last Name	E	<u>nail</u>	Status	User Group	Actions
					No iter	n			
		A State of the sta	· · · · · · · · · · · · · · · · · · ·				Electron and a		a della d
		· · · · · · · · · · · · · · · · · · ·			1	•			· · · · ·
		No.			s				A State State
			a the second second		•			and the second second	* A start
Access Control	•								
		· ·			· ·		and the second		· ·

Note:

After importing the users to Ezeelogin, log in with the user and set up security code for the user under **Account > Password > New Security Code.** 

**Step 6:** Make sure that UNIX ATTRIBUTES are enabled on WINDOWS(2003,2008,2012) SERVER

Note:

You do not need to install Unix attributes on windows 10, windows 2012 and windows 2016 server OS

Step 7: Login to Windows server, open Command Prompt, and enter the following command:

Dism.exe/online/enable-feature /featurename:nis /all

Reboot the server to complete the installation

Win 2008 Unix Attributes

<u>s</u> 😣 '	Jake j. b Properties	1
ord Replic	Member Of         Dial-in         Environment         Sessions           General         Address         Account         Profile         Telephones         Organization           Remote control         Terminal Services Profile         COM+         UNIX Attributes	ount for adn this group (
rd Replic	To enable access to this user for UNIX clients, you will have to specify the NIS domain this user belongs to.	<sup>5</sup> this group this group strators Gro who are pe
	UID: 1000	administrat ions and se controllers ir juests users
Domain C	Login Shell: /usr/local/bin/ezsh	administrat <sup>F</sup> this group
Owners	Home Directory:	this group ( ount for gue
ntrollers	Primary group name/GID: ezusers	his group ca <sup>F</sup> this group administrat
	OK Cancel Apply Help	

Window 2016 AD for a user . Note that the attributes such as **uidNumber** = 10001, **gidNumber** = 12001, **unixHomeDirectory** = /home/jake, **loginShell**=/usr/local/bin/ezsh are set.



**Note:** For the Unix Attributes uidNumber, gidNumber, and login shell to be visible, make sure to click on the Filter button and select ONLY " Show Only Writable Attributes" as shown below.

jake Properties			?	×	
Published Certificates Me	ember Of Passwor	d Replication	Dial-in	Object	
Security Enviro	nment Sess	sions	Remote co	ontrol	
General Address A	Account Profile	Telephone	s Organ	nization	
Remote Desktop Servic	es Profile C	OM+	Attribute E	Editor	
Attributes:					
Attribute	Value			^	
terminalServer	<not set=""></not>				
textEncodedORAddr	<not set=""></not>				
thumbnailLogo	<not set=""></not>				
thumbnailPhoto	<not set=""></not>				
title	<not set=""></not>				
uid	<not set=""></not>				
uidNumber	10002				
unicodePwd	<not set=""></not>				
unixHomeDirectory	/home/jake				
unixUserPassword	<not set=""></not>				
hu	<not set=""></not>				
userAccountControl	0x200 = (NORMAL	_ACCOUNT)	)		
userCert	<not set=""></not>				
userCertificate	<not set=""></not>		>	*	
Edit			Filter		
			Sho	ow only at	tributes that have values
			<ul> <li>Sho</li> </ul>	ow only w	ritable attributes
ОК	Cancel	Apply	She		les:
on	Canoor	14440	~ N	Mandatory	1
			< C	Optional	
					1
			Sho	ow read-or	niy attributes:
			C	Constructe	ed
			E	Backlinks	
			~ 0	wstem-on	ly.
				Jacan on	.,

## Let's configure PAM\_LDAP Authentication for SSH

Login to Ezeelogin ssh server to configure pam-LDAP.

Step 1: Install pam-LDAP module by the following command

root@gateway:~# yum install nss-pam-ldapd nscd

#### Step 2: Enter the command to auto-configure

root@gateway:~# authconfig-tui

Step 3: Select use LDAP & use LDAP authentication

authconfig-tui – (c) 1999-2005 Red	d Hat, Inc.
Authen	tication Configuration
User Information [ ] Cache Information [*] Use LDAP [ ] Use NIS [ ] Use IPAv2 [ ] Use Winbind	Authentication [] Use MD5 Passwords [*] Use Shadow Passwords ] Use LDAP Authentication [] Use Kerberos [] Use Fingerprint reader [] Use Winbind Authentication [*] Local authorization is sufficient
Cancel	Next

### Step 4: Add binddn, bind password & Active Directory Mappings to /etc/nslcd.conf

root@gateway:~# vi /etc/nslcd.conf

uri ldap://10.11.1.231

ldap\_version 3

base cn=users,dc=admod,dc=net

binddn cn=Administrator,cn=Users,dc=admod,dc=net

bindpw admod\_2012

filter passwd (objectClass=User) map passwd uid sAMAccountName map passwd homeDirectory unixHomeDirectory

map passwd loginShell "/usr/local/bin/ezsh"

map passwd gidNumber "100"

ssl no tls\_cacertdir /etc/openIdap/cacerts

**Note:** If you are using LDAPS, then change SSL to YES

Step 5: Enable auto-create home directory on login by the following command

root@gateway:~# authconfig --enablemkhomedir --update

#### Step 6: Restart nslcd & nscd service

root@gateway:~# service nslcd restart && service nscd restart

**Note:** Ensure the login shell of LDAP user is /usr/local/bin/ezsh

#### Step 7: Now run the id/finger command and see whether you are able to get AD user details

### root@gateway:~# finger jake

Login: jake Name: jake

Directory: /home/jake Shell: /usr/local/bin/ezsh

Last login Tue Jul 3 12:23 (IST) on pts/2 from 10.11.1.189

No mail.

No Plan.

root@gateway:~# id jake

uid=10001(jake) gid=12000 groups=12000

**Note:** Run a Idapsearch to check the values returned from your AD server as follows. This is used for troubleshooting.

root@gateway:~# ldapsearch -x -LLL -E pr=200/noprompt -h 10.11.1.164 -D ''administrator@ad2016.admod.net'' -w admod_2016 -b ''cn=jake,cn=users,dc=ad2016,dc=admod,dc=net''
dn: CN=jake,CN=Users,DC=ad2016,DC=admod,DC=net
objectClass: top
objectClass: person
objectClass: organizationalPerson
objectClass: user
cn: jake
givenName: jake
distinguishedName: CN=jake,CN=Users,DC=ad2016,DC=admod,DC=net
instanceType: 4
whenCreated: 20180703063304.0Z
whenChanged: 20180703063554.0Z
displayName: jake
uSNCreated: 45128
uSNChanged: 45136

name: jake objectGUID:: ldpkFlnRs0O6irphlTq1AA== userAccountControl: 512 badPwdCount: 0 codePage: 0 countryCode: 0 badPasswordTime: 0 lastLogoff: 0 lastLogon: 0 pwdLastSet: 131750731848783837 primaryGroupID: 513 objectSid:: AQUAAAAAAAUVAAAAmhs/bgMv2mlWATm4VQQAAA== accountExpires: 9223372036854775807 logonCount: 0 sAMAccountName: jake sAMAccountType: 805306368 userPrincipalName: jake@ad2016.admod.net objectCategory: CN=Person, CN=Schema, CN=Configuration, DC=ad2016, DC=admod, DC=net dSCorePropagationData: 16010101000000.0Z uidNumber: 10001 gidNumber: 12000 unixHomeDirectory: /home/jake loginShell: /usr/local/bin/ezsh

# pagedresults: cookie=

## **Related Articles:**

Configure Ezeelogin to authenticate using Windows\_AD(Pam-Ldap) in Ubuntu.

How do I configure Ezeelogin to authenticate using OpenLdap(Pam-Ldap) in CentOS?

Online URL: https://www.ezeelogin.com/kb/article/how-do-i-configure-ezeelogin-to-authenticate-usingwindows\_ad-40;pam-ldap-41;-in-centos-186.html