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Active Directory Read-Only mode

Active Directory Microsoft Active Directory Read Only LDAP

# How To Configure WebADM with a Read-Only Active Directory

## 🛕 Important Note

That setup require an enterprise license which can only be issued by RCDevs team. Self-generated Freeware/Trial licenses are not supported. Regular enterprise license bought through the RCDevs web store are not supported.

In some circumstances, we can not write in the LDAP backend. In that case, we need to store some configurations in a local LDAP database and users extra information in a SQL database.

In this example, we will start with a WebADM server running with a local MariaDB and RCDevs Directory Server. It could be the <u>VMWare Appliance</u> or a new installation <u>WebADM Installation Guide</u>. We will configure it to use a read-only Active Directory server.

## 1. WebADM Configuration

We edit /opt/webadm/conf/webadm.conf and change webadm\_account\_oclasses and webadm\_group\_oclasses parameters. It should contain the following class:

webadm\_account\_oclasses "person"
webadm\_group\_oclasses "group", "groupOfNames", "groupOfUniqueNames", "groupOfURLs",
"posixGroup"

We change also the data store to SQL:

data\_store SQL

We restart WebADM:

/opt/webadm/bin/webadm restart

# 2. Container Creation

In WebADM, we create a container for the mount point. We click on Create, we select Domain and we click on Proceed:



We enter a name for the domain, for example, *test*, and we click on **Proceed**:

Select

We click on Create Object:



# 3. MountPoint Creation

To create a Mount Point, click on Admin tab and click on LDAP Mount Points box:



#### We click on Add MountPoint:

LDAP Server (OpenLDAP)	Web ADM Freeware Edition v1.6.8-2
OpenLDAP (3)	
dc=WebADM	Home Admin Create Search Import Databases Statistics Applications About Logout
	Registered LDAP Mount Points
<u>Ormate / Search</u>	No LDAP MountPoint configured
Create / Search Details / Check	Add MountPoint Ok

#### We add a name and click on **Proceed**:





We click on Select and choose the container previously created for *Mount DN*. Now, we add the IP address of the Active Directory server in *Host Name(s)* field, the port number, the tree base of the AD and AD user and password to connect to the LDAP.

### Note

The AD user should have read access on the Active Directory.

We click on Apply:

LDAP Server (OpenLDAP)	WebADM Freeware E	Edition v1.6.8-2
OpenLDAP (3)	Copyright © 2010-2018 RCDevs S/	A. All Rights Reserved
E C dc=WebADM	Home Admin Create	Search Import Databases Statistics Applications About Logo
dc=test	Ob	iect Settings for cn=test.dc=MountPoints.dc=WebADM
E o=Root (2)		Con Contrage to Min Montage Information Ministrate Marking Min
cn=admin	Disable Mount Point	Ves  No (default)
Create / Search	Mount DN	de test
Details / Check	Mount DN	dc=test
Create / Search Details / Check	The LDAP tree node whe	are to mount the remote LDAP.
	<ul> <li>Host Name(s)</li> </ul>	192.168.3.194
	LDAP server name(s) or You can set a comma-se	IP address(es). parated list of servers. The next servers are used for failover.
	Port Number	389
	LDAP server port.	
	Encryption Type	None (Default)
	Tree Base	dc=test,dc=local
	Mounted LDAP tree base	or base DN (mandatory with most LDAP servers).
	Login DN	cn=administrator,cn=users,dc=test,dc=local
	Mounted LDAP bind DN	WebADM will bind anonymously if not set
	R Logia Deseured	
	Cogin Password	
	Trusted CA Certificate	Edit
	Client Certificate File	Edit
	Client Certificate Key File	Edit
LDAP Server (OpenLDAP)     OpenLDAP (3)	Web ADW Freeware Copyright © 2010-2018 RCDevs	Edition v1.6.8-2
E 🕼 dc=WebADM	# Home Admin Create	e Search Import Databases Statistics Applications About Logo
E @ dc=test (13)		
🗉 🍰 CN=Builtin		Registered LDAP Mount Points
CN=Computers     CN=ForeignSecurityPrincip		🐮 test (cn=test,dc=MountPoints,dc=WebADM) 🛈
CN=Infrastructure		Status: Enabled [CONFIGURE] [RENAME] [REMOVE]
E 🕢 CN=Keys		Extended: No (EXTEND) (DETAILS) (SCHEMA)
CN=LostAndFound		Directory Type: microsoft
E CN=Managed Service Accoun		Server(s): 192.168.3.194:389
CN=NTDS Quotas		Encryption: NONE
표 🚳 CN=Program Data		Mount Point: de=test
🗉 🚳 CN=System		Login DN: optadministrator entry optadet de log
CN=TPM Devices		Login Dry. on-auministrator, Ch-Users, UC-Rest, UC-IOC
E CN=Users		
OU=Domain Controllers		Add MountPoint Ok
Create / Search Details / Check		
E 😭 o=Root (3)		
🗉 🤐 <u>cn=admin</u>		
Image:		
🗉 💂 cn=test_user		
Create / Search Details / Check		
Create / Search Details / Check		

## 4. Local Domain Creation

Now, we create a local domain for the mount point. A local domain works only with one LDAP backend, so the default local domain works only with OpenLDAP.

We click on Admin tab and on Local Domains box:



#### Click on Add Domain:



We enter the name of the domain and click on **Proceed**.

OpenLDAP (3)	Copyright © 2010-2018 R	CDevs SA, All Rights Reserved	0
E C=WebADM	Home Admin C	Create Search Import Databases Statistics Applications About	It Logout
<ul> <li> <i>∎</i></li></ul>		Create Configuration Object of Type Domain	
🗉 🥶 <u>cn=admin</u>		Mandatory attributes	
Create / Search	Container	dc=Domains,dc=WebADM	Select
Details / Check     Create / Search     Details / Check	Common Name	test	
bound on one	WebADM Object Type	WebADM LDAP Domain (Domain)	
		Optional attributes	
	WebADM Settings	This attribute is not available with SQL data store.	
	Description / Note		
		Proceed	

## Click on Create Object:

LDAP Server (OpenLDAP)	WebADM Free Copyright © 2010-2018	ware Edition v1.6.8- RCDevs SA, All Rights Reserved	2	
E 🐼 dc=WebADM	Admin	Create Search Import	Databases Statistics	Applications About Logout
	Create Configuration Object of Type Domain			
🗉 🥶 <u>cn=admin</u>		Confirm object creation for	or cn=test,dc=Domains,dc=We	ibADM
Create / Search		Attribute	Value	
Totails / Check		DN	cn=test,dc=Domains,dc=W	eb
Create / Search		Common Name	test	
Details / Ontook		WebADM Object Type	Domain	
			Create Object	

We select the mount point as *User Search Base*. We can add domain name aliases, like *test.local* if needed, and we click on Apply:

LDAP Server (OpenLDAP)	WebADW Freeware Copyright © 2010-2018 RCDevs S	Edition v1.6.8-2	<b>-</b>
dc=WebADM	Admin Create	Search Import Databases Statistics Application	ons About Log
<ul> <li> <i>∎</i></li></ul>	(	Dbject Settings for cn=test,dc=Domains,dc=WebADM	
<ul> <li><u>cn=admin</u></li> <li><u>en=ppolicy</u></li> </ul>	Disable Domain	◯ Yes 💿 No (default)	
Create / Search	User Search Base	dc=test	Select
Create / Search	The LDAP user search	base corresponding to the domain.	
	Group Search Base		Select
	The LDAP group searc This setting is ignored i Note: Defaults to the Us Domain Name Aliases	h base corresponding to the domain. f WebADM uses only direct group_mode. ser Search Base if not set.	
	Comma-separated list of	of alternative domain names.	



# Now, we can try an authentication by following this documentation <u>Authentication</u>. We need to select the right local domain during the authentication. Otherwise, OpenOTP won't be able to find the user.

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