**Set Up Samba Over an SMB Connector**

This article explains how to setup Samba over an SMB connector as part of an Active Directory domain.

**Join Active Directory Domain**

Prerequisites:

* Administrative credentials for the domain admin account

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| *Note:* Only a domain administrator may to add an SMB connector as part of an Active Directory domain. |

* Machines running on CentOS/RHEL 7.x
* SMB connector installed
* ntp or chrony installed and configured to synchronize server time with Active Directory
* DNS installed and configured
* Base and epel repositories are configured to find these required packages:
  + realmd
  + oddjob
  + oddjob-mkhomedir
  + adcli

1. Backup the existing Samba configuration:

cp -a /etc/samba/smb.conf /etc/samba/smb.conf\_$(date +%F)

1. Install the required packages:

yum install oddjob realmd oddjob-mkhomedir adcli

1. Discover the domain identity:

realm discover <customer\_ad\_realm\_name>

1. Join the AD domain using the realm name discovered in the previous step:
2. realm join --client-software=winbind --computer-name=<NETBIOS\_connector\_name> --user=<admin\_user>@<customer\_ad\_realm\_name> <customer\_ad\_realm\_name>
3. Password for <admin\_user>@<customer\_ad\_realm\_name>:
4. Add a designated organizational unit within the Active Directory (optional):
5. realm join --client-software=winbind --user=<admin\_user>@<customer\_ad\_realm\_name> --computer-ou=OU=Linux,OU=Servers,DC=EXAMPLE,DC=LOCAL <customer\_ad\_realm\_name>
6. Password for <admin\_user>@<customer\_ad\_realm\_name>:

**Special cases**

If you have connectors that were manually setup before, open the file: /etc/samba/smb.conf and synchronize the following across all the connectors:

idmap config EXAMPLE: backend = rid

idmap config EXAMPLE: range = XXXXXX-YYYYYY

**Useful links/References**

<http://yallalabs.com/linux/how-to-join-centos-7-rhel-7-servers-to-active-directory-domain/>