

How to join RHEL system to Active Directory

Voraussetzungen:

- Red Hat Enterprise Linux 7 oder 6
- Vorhandenes und funktionierendes - Active Directory

Konfigurationsablauf

1. Make Sure RHEL machine is able to resolve Active Directory servers.
2. Install adcli package along with sssd:

```
# yum install adcli sssd authconfig
```

3. Then discover the AD domain:

```
adcli info ad.example.com
```

4. adcli will show few details about the AD domain. now, **join RHEL system to AD domain using adcli**

```
# adcli join ad.example.com
```

```
Password for Administrator@AD.EXAMPLE.COM: <---- Enter Admin password
```

5. The join operation creates a keytab the machine will authenticate with. When inspect the with klist -kt, should show several entries that contain client hostname in some form:

```
# klist -kte
```

6. Configure /etc/krb5.conf to use AD domain:

```
# vim /etc/krb5.conf
```

```
[libdefaults]
default_realm = AD.EXAMPLE.COM
dns_lookup_realm = true
dns_lookup_kdc = true
ticket_lifetime = 24h
renew_lifetime = 7d
forwardable = true

[realms]
AD.EXAMPLE.COM = {
kdc = server.ad.example.com
admin_server = server.ad.example.com
```

```
}  
  
[domain_realm]  
.ad.example.com = AD.EXAMPLE.COM  
ad.example.com = AD.EXAMPLE.COM`
```

7. Use authconfig to set up the Name Service Switch(/etc/nsswitch.conf) and PAM stacks(password-auth and system-auth):

```
# authconfig --enablesssd --enablesssdauth --update
```

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