

realmd SSSD



context

dit document beschrijft het gebruik van [realmd](#) in combinatie met SSSD

installatie

1. installeer:

```
sudo apt-get install realmd
```

2. doe een discovery van je AD domein

```
sudo realm discover -v <naam AD domein>
```

```
pi@raspberrypi:~ $ sudo realm discover -v jackland.net
* Resolving: _ldap._tcp.jackland.net
* Performing LDAP DSE lookup on: 10.11.20.6
* Performing LDAP DSE lookup on: 10.11.20.5
* Successfully discovered: jackland.net
jackland.net
type: kerberos
realm-name: JACKLAND.NET
domain-name: jackland.net
configured: no
server-software: active-directory
client-software: sssd
required-package: sssd-tools
required-package: sssd
required-package: libnss-sss
required-package: libpam-sss
required-package: adcli
required-package: samba-common-bin
```

3. voeg de Linux toe aan het gevonden domein via SSSD

```
sudo realm join -v --client-software=sssd <naam AD domein>
```

Als niet alle software geïnstalleerd is, krijg je dat meteen te zien. Installeer dan eerst de nodige pakketten

```
sudo apt-get install sssd-tools sssd libnss-sss libpam-sss adcli
```

4. voer nu de join nogmaals uit:

```
sudo realm join -v --client-software=sss<naam AD domein> --install=
```

-install= zorgt ervoor dat de package check wordt overgeslagen. Die geeft immers problemen.

5. verifieer dat **ifp** (InfoPipe) geactiveerd staat in `/etc/sss/sss.conf`:

```
[sss]  
domains = jackland.net  
config_file_version = 2  
services = nss, pam, ifp
```

6. herstart de sssd daemon

```
sudo systemctl restart sssd
```

7. vraag de status van je domein op via SSSD

```
sssctl domain-status <DOMEINNAAM>  
Online status: Online  
  
Active servers:  
AD Global Catalog: not connected  
AD Domain Controller: ad1.jackland.net  
  
Discovered AD Global Catalog servers:  
None so far.  
  
Discovered AD Domain Controller servers:  
- ad2.jackland.net  
- ad1.jackland.net
```

problemen, problemen

fout bij toevoegen van domein:

```
! Couldn't set password for computer account: RASPBERRYPI$: Cannot contact  
any KDC for requested realm  
adcli: joining domain jackland.net failed: Couldn't set password for  
computer account: RASPBERRYPI$: Cannot contact any KDC for requested realm  
! Failed to join the domain  
realm: Couldn't join realm: Failed to join the domain
```

oorzaak: poort tcp/udp: **464** naar DC staat niet open waardoor Kerberos password change niet lukt.

oplossing: voeg de poort toe aan de firewall regel die toegang naar AD voorziet.

SSSD: fout bij opvragen van domainlist

```
sssctl domain-list
Unable to get domains list [3]: Communication error
org.freedesktop.systemd1.NoSuchUnit: Unit sssd-ifp.service not found.
```

oorzaak: ifp service wordt standaard niet geactiveerd (zie: [meer info: bug ifp](#)).

oplossing: voeg ifp toe aan /etc/sss/sss.conf (zie: [installatie](#)) en herstart SSSD

```
root@raspberrypi:/etc# systemctl status sssd
● sssd.service - System Security Services Daemon
   Loaded: loaded (/lib/systemd/system/sss.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2019-10-15 09:49:58 CEST; 45s ago
     Main PID: 1617 (sss)
        Memory: 38.5M
      CGroup: /system.slice/sss.service
              └─1617 /usr/sbin/sss -i --logger=files
                └─1618 /usr/lib/arm-linux-gnueabi/sss/sss_be --domain jackland.net --uid 0 --gid 0 --logger=files
                  └─1619 /usr/lib/arm-linux-gnueabi/sss/sss_nss --uid 0 --gid 0 --logger=files
                    └─1620 /usr/lib/arm-linux-gnueabi/sss/sss_pam --uid 0 --gid 0 --logger=files
                      └─1621 /usr/lib/arm-linux-gnueabi/sss/sss_ifp --uid 0 --gid 0 --logger=files

Oct 15 09:49:45 raspberrypi systemd[1]: Starting System Security Services Daemon...
Oct 15 09:49:47 raspberrypi sssd[1617]: Starting up
Oct 15 09:49:50 raspberrypi sssd[be[1618]: Starting up
Oct 15 09:49:57 raspberrypi sssd[1621]: Starting up
Oct 15 09:49:57 raspberrypi sssd[1619]: Starting up
Oct 15 09:49:57 raspberrypi sssd[1620]: Starting up
Oct 15 09:49:58 raspberrypi systemd[1]: Started System Security Services Daemon.
```

meer info

- [realmd](#)
- [KB Tim Warner](#)
- [bug ifp](#)

Linux

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