

# 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=sssd<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/sssd/sssd.conf:

```
[sssd]
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

```
ssctl 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/sssd/sssd.conf (zie: [installatie](#)) en herstart SSSD

```
root@raspberrypi:/etc# systemctl status sssd
● sssd.service - System Security Services Daemon
  Loaded: loaded (/lib/systemd/system/sssd.service; enabled; vendor preset: enabled)
  Active: active (running) since Tue 2019-10-15 09:49:58 CEST; 45s ago
    Main PID: 1617 (sssd)
   Memory: 38.5M
      CGroup: /system.slice/sssd.service
              └─1617 /usr/sbin/sssd -i --logger=files
                  ├─1618 /usr/lib/arm-linux-gnueabihf/sssd/sssd_be --domain jackland.net --uid 0 --gid 0 --logger=files
                  ├─1619 /usr/lib/arm-linux-gnueabihf/sssd/sssd_nss --uid 0 --gid 0 --logger=files
                  ├─1620 /usr/lib/arm-linux-gnueabihf/sssd/sssd_pam --uid 0 --gid 0 --logger=files
                  └─1621 /usr/lib/arm-linux-gnueabihf/sssd/sssd_ifp --uid 0 --gid 0 --logger=files
Oct 15 09:49:45 raspberrypi systemd[1]: Starting System Security Services...
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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