UTEPE Authentication Lost on Linux client

1) SSH with an account that has access to login to the Linux machine.

2) # systemctl status sssd

3) # sudo su –
   a. # mount lus:/lus/repos /mnt

4) # Backup the running sssd.conf (BEFORE YOU LEAVE THE AD)
   a. # cd /etc/sssd
   b. # cp sssd.conf sssd.conf_XXX

5) Leave the Miners Domains
   a. # realm leave (IT WILL DESTROY the running sssd.conf)

6) Joining to the Miner domain.
   a. If running CentOS 7.x or higher, using the automatic process:
      1. Check the /etc/sssd/sssd.conf_UTEP exists first.
      2. If source in /mnt is newer replace the Base configuration
         a. # cp /mnt/sssd7.conf_v2 /etc/sssd/sssd.conf_UTEP
            NOTE: If there is a department configuration it must be manually update using the sssd.conf_UTEP as their configuration with their security groups.
      3. # /mnt/realm-setup.sh
         1. Choose the department that this machines belongs to.
         2. You will be prompted to use your miners credentials to join UTEP.EDU
         3. If successful, the script will exit gracefully.
      i. # umount /mnt
      iv. Skip to step 7
   b. If running CentOS 7.x or higher, manual process:
      i. Check the /etc/sssd/sssd.conf_UTEP exists first.
         1. # cp /mnt/sssd7.conf_v2 /etc/sssd/sssd.conf_UTEP
      ii. Replace the username with an actual UTEP account.
         1. # realm join --user=username@utep.edu utep.edu
         3. If successful, the command will exit gracefully.
      iii. # umount /mnt
v. You must connect to a system where you have the Admin tools installed to manage UTEP.EDU, and create the Linux OU based on the type of equipment joined.

1. Open the AD Users and Computers, search for your computer and make sure that your server is locate on the following OU:

![Servers only:](image)

![Workstations only:](image)

7) Replace the generic UTEP.EDU configuration with department configuration. The only difference between the files should be the security groups.
   a. `# cp sssd.conf_XXX sssd.conf`
   b. `# systemctl restart sssd`

8) Check that the service is working and that is binding to UTEP.EDU
   a. `# systemctl status sssd`

9) Test with an account that has never login
a. `# realm list --all` (You should see your security groups)
b. `# id username` (It should pull information from AD)

10) All done