

Exercise 29.1: Centralized Authentication using LDAP and TLS - Install an LDAP server appliance



Resource Requirements

This exercise requires an additional Virtual Machine be installed. It is a small **LDAP server** that is used for testing our client configurations. The **LDAP** appliance uses about 512MB of memory and 2GB of disk space. Please complete this exercise outside of class.

This exercise will install a **LDAP** server appliance for centralized network authentication. The **turnkey openldap** appliance server was chosen for its availability on different distributions. Installing this appliance will create a new **VM**. The **appliance VM** is quite small, assigning only 512MiB of memory and using less than 1GB of disk space. The disk space is dynamically grow-able to 20GB but our usage remains quite low. There are many options to obtain the appliance and one option, the OVA image that is compatible with **VMware** and **Virtual-Box** is available in the following directory. Another option is a **vmdk** image file that works with **VMware Player** and **VMware Workstation** is also available in the directory below.

<https://cm.lf.training/LFS307>

Please see <https://www.turnkeylinux.org/openldap> for available options.

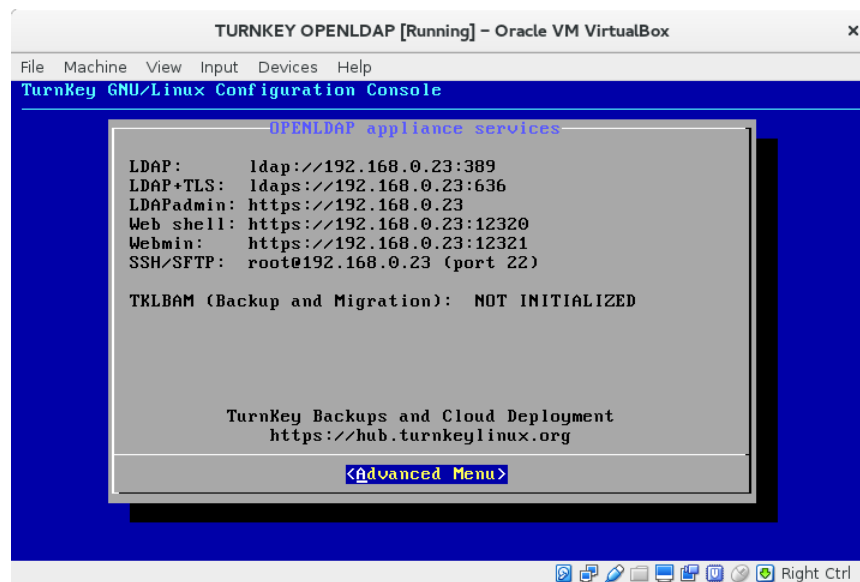


Figure 29.2: Turnkey OpenLDAP Appliance Services

1. Import the appliance
 - Verify the file `turnkey-openldap-14.1-jessie-amd64.ova` is available (version may be different).
 - Open the **Virtual-Box Manager**.
 - Select File -> Import Appliance
 - Enter location (or browse) of the **OpenLADP appliance**.
 - Select **Next** and continue as prompted.
2. Start the **TURNKEY OPENLDAP** virtual machine just created.
3. Configure the LDAP appliance on first boot with the following parameters:

- Root's password is "pa\$\$w0rd"
- Admin's password is "pa\$\$w0rd"
- The domain is "example.com"
- No "HUB", "System Notification" or "Update" services

The **Turnkey OpenLDAP Appliance Summary** should be visible, this is the normal **running** display of the appliance.