LDAP  
**[1] Install OpenLDAP Server.**  
[root@dlp ~]# yum -y install openldap-servers openldap-clients  
[root@dlp ~]# cp /usr/share/openldap-servers/DB\_CONFIG.example /var/lib/ldap/DB\_CONFIG   
[root@dlp ~]# chown ldap. /var/lib/ldap/DB\_CONFIG   
[root@dlp ~]# systemctl start slapd   
[root@dlp ~]# systemctl enable slapd

**[2] Set OpenLDAP admin password.**  
# generate encrypted password  
[root@dlp ~]# slappasswd   
New password:  
Re-enter new password:  
{SSHA}xxxxxxxxxxxxxxxxxxxxxxxx  
[root@dlp ~]# vi chrootpw.ldif  
# specify the password generated above for "olcRootPW" section  
 dn: olcDatabase={0}config,cn=config  
changetype: modify  
add: olcRootPW  
olcRootPW: {SSHA}xxxxxxxxxxxxxxxxxxxxxxxx  
  
[root@dlp ~]# ldapadd -Y EXTERNAL -H ldapi:/// -f chrootpw.ldif   
SASL/EXTERNAL authentication started  
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth  
SASL SSF: 0  
modifying entry "olcDatabase={0}config,cn=config"

**[3] Import basic Schemas.**  
[root@dlp ~]# ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/cosine.ldif   
SASL/EXTERNAL authentication started  
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth  
SASL SSF: 0  
adding new entry "cn=cosine,cn=schema,cn=config"  
  
[root@dlp ~]# ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/nis.ldif   
SASL/EXTERNAL authentication started  
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth  
SASL SSF: 0  
adding new entry "cn=nis,cn=schema,cn=config"  
  
[root@dlp ~]# ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/inetorgperson.ldif   
SASL/EXTERNAL authentication started  
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth  
SASL SSF: 0  
adding new entry "cn=inetorgperson,cn=schema,cn=config"

**[4] Set your domain name on LDAP DB.**  
# generate directory manager's password  
[root@dlp ~]# slappasswd   
New password:  
Re-enter new password:  
{SSHA}xxxxxxxxxxxxxxxxxxxxxxxx  
[root@dlp ~]# vi chdomain.ldif  
# replace to your own domain name for "dc=\*\*\*,dc=\*\*\*" section  
# specify the password generated above for "olcRootPW" section  
 dn: olcDatabase={1}monitor,cn=config  
changetype: modify  
replace: olcAccess  
olcAccess: {0}to \* by dn.base="gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth"  
 read by dn.base="cn=Manager,dc=srv,dc=world" read by \* none  
  
dn: olcDatabase={2}hdb,cn=config  
changetype: modify  
replace: olcSuffix  
olcSuffix: dc=srv,dc=world  
  
dn: olcDatabase={2}hdb,cn=config  
changetype: modify  
replace: olcRootDN  
olcRootDN: cn=Manager,dc=srv,dc=world  
  
dn: olcDatabase={2}hdb,cn=config  
changetype: modify  
add: olcRootPW  
olcRootPW: {SSHA}xxxxxxxxxxxxxxxxxxxxxxxx  
  
dn: olcDatabase={2}hdb,cn=config  
changetype: modify  
add: olcAccess  
olcAccess: {0}to attrs=userPassword,shadowLastChange by  
 dn="cn=Manager,dc=srv,dc=world" write by anonymous auth by self write by \* none  
olcAccess: {1}to dn.base="" by \* read  
olcAccess: {2}to \* by dn="cn=Manager,dc=srv,dc=world" write by \* read  
  
[root@dlp ~]# ldapmodify -Y EXTERNAL -H ldapi:/// -f chdomain.ldif   
SASL/EXTERNAL authentication started  
SASL username: gidNumber=0+uidNumber=0,cn=peercred,cn=external,cn=auth  
SASL SSF: 0  
modifying entry "olcDatabase={1}monitor,cn=config"  
  
modifying entry "olcDatabase={2}hdb,cn=config"  
  
modifying entry "olcDatabase={2}hdb,cn=config"  
  
modifying entry "olcDatabase={2}hdb,cn=config"  
  
[root@dlp ~]# vi basedomain.ldif  
# replace to your own domain name for "dc=\*\*\*,dc=\*\*\*" section  
 dn: dc=srv,dc=world  
objectClass: top  
objectClass: dcObject  
objectclass: organization  
o: Server World  
dc: Srv  
  
dn: cn=Manager,dc=srv,dc=world  
objectClass: organizationalRole  
cn: Manager  
description: Directory Manager  
  
dn: ou=People,dc=srv,dc=world  
objectClass: organizationalUnit  
ou: People  
  
dn: ou=Group,dc=srv,dc=world  
objectClass: organizationalUnit  
ou: Group  
  
[root@dlp ~]# ldapadd -x -D cn=Manager,dc=srv,dc=world -W -f basedomain.ldif   
Enter LDAP Password: # directory manager's password  
adding new entry "dc=srv,dc=world"  
  
adding new entry "cn=Manager,dc=srv,dc=world"  
  
adding new entry "ou=People,dc=srv,dc=world"  
  
adding new entry "ou=Group,dc=srv,dc=world"

**[5] If Firewalld is running, allow LDAP service. LDAP uses 389/TCP.**[root@dlp ~]# firewall-cmd --add-service=ldap --permanent   
success  
[root@dlp ~]# firewall-cmd --reload   
Success

Source: https://www.server-world.info/en/note?os=CentOS\_7&p=openldap