https://www.itzgeek.com/how-tos/linux/centos-how-tos/step-step-openldap-server-configuration-centos-7-rhel-7.html

Install openLDAP packages using yum install command

yum -y install openldap\*

Start / turn on slapd service

systemctl start slapd

systemctl enable slapd

Use the command slappasswd to generate password

slappasswd

Create a file db.ldif with following contents

dn: olcDatabase={2}hdb,cn=config

changetype: modify

replace: olcSuffix

olcSuffix: dc=hadoop,dc=com

dn: olcDatabase={2}hdb,cn=config

changetype: modify

replace: olcRootDN

olcRootDN: cn=ldapadm,dc=hadoop,dc=com

dn: olcDatabase={2}hdb,cn=config

changetype: modify

replace: olcRootPW

olcRootPW: {SSHA}/C9pu+P5jvTbQ+6hRIopbfiC8WxyMalo

Use ldapmodify command to update these parameters.

ldapmodify -Y EXTERNAL -H ldapi:/// -f db.ldif

Create file monitor.ldif with following contents.

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=ldapadm,dc=hadoop,dc=com" read by \* none

Use the bellow ldapmodify command to updat these parameter.

ldapmodify -Y EXTERNAL -H ldapi:/// -f monitor.ldif

Copy the sample DB\_CONFIG file

cp /usr/share/openldap-servers/DB\_CONFIG.example /var/lib/ldap/DB\_CONFIG

Change the ownership of the the directory

chown ldap:ldap /var/lib/ldap/\*

Execute following ldapadd commands.

ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/cosine.ldif

ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/nis.ldif

ldapadd -Y EXTERNAL -H ldapi:/// -f /etc/openldap/schema/inetorgperson.ldif

Create file base.ldif with following contents

dn: dc=hadoop,dc=com

dc: hadoop

objectClass: top

objectClass: domain

dn: cn=ldapadm,dc=hadoop,dc=com

objectClass: organizationalRole

cn: ldapadm

description: LDAP Manager

dn: ou=People,dc=hadoop,dc=com

objectClass: organizationalUnit

ou: People

dn: ou=Group,dc=hadoop,dc=com

objectClass: organizationalUnit

ou: Group

Execute the ldapadd command to add these entries in to LDAP database

ldapadd -x -W -D "cn=ldapadm,dc=hadoop,dc=com" -f base.ldif

Verify the installation by executing ldapserach command.

ldapsearch -D cn="ldapadm,dc=hadoop,dc=com" -W -b "dc=hadoop,dc=com" objectClass=\*