

Workshop 1 – install openldap on Centos5 & OpenLDAP Server startup

Part1: install openldap

Step 1: installation

yum install openldap openldap-clients openldap-servers

The suite of OpenLDAP libraries and tools are included within the following packages:

- openldap: Contains the libraries necessary to run the OpenLDAP server and client applications.
- openldap-clients: Contains command line tools for viewing and modifying directories on an LDAP server.
- openldap-servers: Contains the servers and other utilities necessary to configure and run an LDAP server.

Step 2: Review Openldap package

rpm -ql openldap

/etc/openldap/cacerts
/etc/openldap/ldap.conf
/usr/lib/libldap-2.3.so.0 ... & more
/usr/share/doc/openldap-2.3.43 ... & more
/usr/share/man/man5/ldap.conf.5.gz
/usr/share/man/man5/ldif.5.gz
/usr/share/openldap

Step 3: Review Openldap-clients package

rpm -ql openldap-clients

/usr/bin/ldapadd
/usr/bin/ldapcompare
/usr/bin/ldapdelete
/usr/bin/ldapmodify
/usr/bin/ldapmodrdn
/usr/bin/ldappasswd
/usr/bin/ldapsearch
/usr/bin/ldapwhoami
/usr/share/man/man1/ldapadd.1.gz ... & more

Step 4: Review configuration of Openldap-servers package

rpm -qc openldap-servers

/etc/openldap/schema/ ... & more
/etc/openldap/slapd.conf ← Main Configuration
/etc/pki/tls/certs/slapd.pem
/etc/rc.d/init.d/ldap ← Service Script
/etc/sysconfig/ldap

Step 5: Review applications of Openldap-servers package

rpm -ql openldap-servers | grep bin

/usr/sbin/slappacl
/usr/sbin/slappadd
/usr/sbin/slappauth
/usr/sbin/slaptopat
/usr/sbin/slapd ← Main Server

/usr/sbin/slapd_db_* ... & more
/usr/sbin/slapdn
/usr/sbin/slapindex
/usr/sbin/slappasswd
/usr/sbin/slaptest
/usr/sbin/slurpd ← Old Replication Server (Version 2.3)

Part 2: OpenLDAP Server Setup:

Step 1: Edit the /etc/openldap/slapd.conf file to specify the LDAP domain and server.

vim /etc/openldap/slapd.conf

Line 86: suffix "dc=lpi,dc=org"
Line 87: rootdn "cn=Manager,dc=lpi,dc=org"
Line 93: rootpw qazwsx

Note: Manager from "cn=Manager,dc=lpi,dc=org" is case-insensitive.

Step 2: Start slapd service.

/sbin/service ldap start

Step 3: check ldap process

netstat -antp | grep 389

Step 4: Use chkconfig or /usr/sbin/ntsysv to start at boot time.

chkconfig ldap on