

Set Up OpenLDAP On Fedora 7

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This document describes how to set up OpenLDAP on Fedora 7. OpenLDAP is a directory server based on the LDAP protocol, that same protocol MS Active Directory is based on. OpenLDAP is an open-source implementation of the Lightweight Directory Access Protocol.

Here we go: first we install the OpenLDAP server like this:

```
yum -y install openldap openldap-clients openldap-devel  
openldap-servers
```

Next we modify some files in the `/etc/openldap/` directory, using our favourite text editor (I'm using nano). First we edit the file `ldap.conf`, just like this:

```
nano /etc/openldap/ldap.conf
```

```
ldap.conf  
#  
# LDAP Defaults  
#  
# See ldap.conf(5) for details  
# This file should be world readable but not world writable.  
#BASE dc=example, dc=com  
#URI ldap://ldap.example.com ldap://ldap-master.example.com:666  
HOST ngoprek.ibunk.or.id --> add this line  
BASE dc=ngoprek,dc=ibunk,dc=or.id --> add this line  
#SIZELIMIT 12
```

```
#TIMELIMIT 15
#DEREF never
```

Next we need to do some bdb database definitions. Edit the *slapd.conf* file. At the bottom you will find bdb database definitions.

```
nano /etc/openldap/slapd.conf
```

Just add this stanza:

```
database bdb
suffix "dc=ngoprek,dc=ibunk,dc=or.id"
rootdn "uid=root,dc=ngoprek,dc=ibunk,dc=or.id"
rootpw
```

Next we create an OpenLDAP password:

```
slappasswd
```

```
{SSHA}0BO9AGrX8v24caBeVbzD3qUcCKLDQkgu
```

Then we add that encrypted password to */etc/openldap/slapd.conf*, like this:

```
nano /etc/openldap/slapd.conf
```

```
database bdb
```

```
suffix "dc=ngoprek,dc=ibunk,dc=or.id"
rootdn "uid=root,dc=ngoprek,dc=ibunk,dc=or.id"
rootpw {SSHA}0BO9AGrX8v24caBeVbzD3qUcCKLDQkgu
```

Now we have to create a file in the `/root` folder called `ibunk.ldif` and put the following lines into it, like this:

```
nano /root/ibunk.ldif
```

```
dn: dc=ngoprek,dc=ibunk,dc=or.id
objectclass: dcobject
objectClass: organization
o: Ngoprek Yuk
dc: ngoprek
```

Finally we just run this command to add your root account in LDAP:

```
/usr/bin/ldapadd -x -D
'uid=root,dc=ngoprek,dc=ibunk,dc=or.id' -W -f /root/ibunk.ldif
```

```
Enter password :
adding new entry dc=ngoprek,dc=ibunk,dc=or.id
```

If there is an error like this:

```
ldap_bind: Can't contact LDAP server (-1)
```

don't panic and keep smiling, just edit your `/etc/hosts.allow` and add:

```
nano /etc/hosts.allow
```

```
localhost  
127.0.0.1
```

And please restart your network service. Before the OpenLDAP service starts, we must copy *DB_CONFIG.Example* from */etc/openldap/* to */var/lib/ldap*. Just run this command:

```
mv /etc/openldap/DB_CONFIG.Example /var/lib/ldap/DB_CONFIG
```

We need to start the OpenLDAP service now:

```
/etc/init.d/ldap start
```