

## Abstract

Further to my previous document: -

### As-Is: WebSphere Portal 6 and OpenLDAP together

<http://submit.boulder.ibm.com/dd/wsdd/asis/502392/502392.html>

I was asked how I'd set up OpenLDAP. Therefore, I have added some more information below.

It's worth noting that I was using someone else's LDIF file, but I could have equally used any LDIF file, or created one from scratch.

## Environment

- Thinkpad T60p (dmht60p.uk.ibm.com )
- 2 GB RAM
- 94 GB SATA Hard Disk
- Windows XP SP2 plus hotfixes
- WebSphere Portal 6.0.0
- OpenLDAP 2.2.29 ( see **Useful URLs** page for further information )
- LdapAdmin LDAP browser ( see **Useful URLs** page for further information )
- LDAP Browser/Editor ( see **Useful URLs** page for further information )

## Installation

Having downloaded OpenLDAP 2.2.29, and installed it into: -

c:\Program Files\OpenLDAP

I generated the encrypted password as follows: -

```
Start -> Run -> CMD.EXE           [Enter]
cd "c:\Program Files\OpenLDAP"     [Enter]
slappasswd.exe                     [Enter]
New password: passw0rd             [Enter]
Re-enter new password: passw0rd    [Enter]
```

which returns the encrypted password of **{SSHA}KZA7Mg99ikKMMHsTvRBXivCg9a/jT2Lx** ( note that this varies each time you run the utility ).

I then modified: -

c:\Program Files\OpenLDAP\slapd.conf

as follows: -

```
....
# suffix          "dc=my-domain,dc=com"
suffix           "dc=ibm,dc=com"

# rootdn         "cn=Manager,dc=my-domain,dc=com"
rootdn          "cn=Manager,dc=ibm,dc=com"

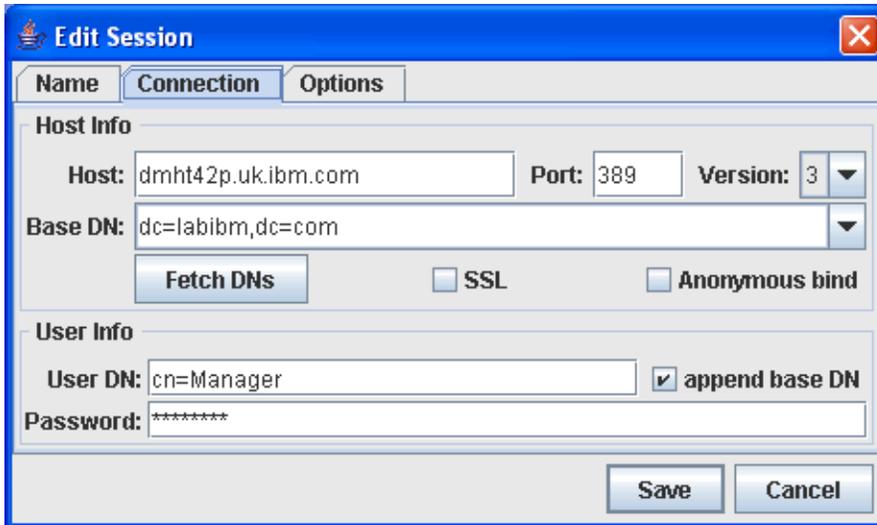
# Cleartext passwords, especially for the rootdn, should
# be avoid.  See slappasswd(8) and slapd.conf(5) for details.
# Use of strong authentication encouraged.
# rootpw        secret
rootpw          {SSHA}KZA7Mg99ikKMMHsTvRBXivCg9a/jT2Lx
'''
```

In other words, I changed the suffix to **dc=ibm,dc=com**, the **rootdn** to **"cn=Manager,dc=ibm,dc=com"** and the **rootpw** to **{SSHA}KZA7Mg99ikKMMHsTvRBXivCg9a/jT2Lx**.

I verified that the data directory ( `c:\Program Files\OpenLDAP\data` ) was empty before proceeding.

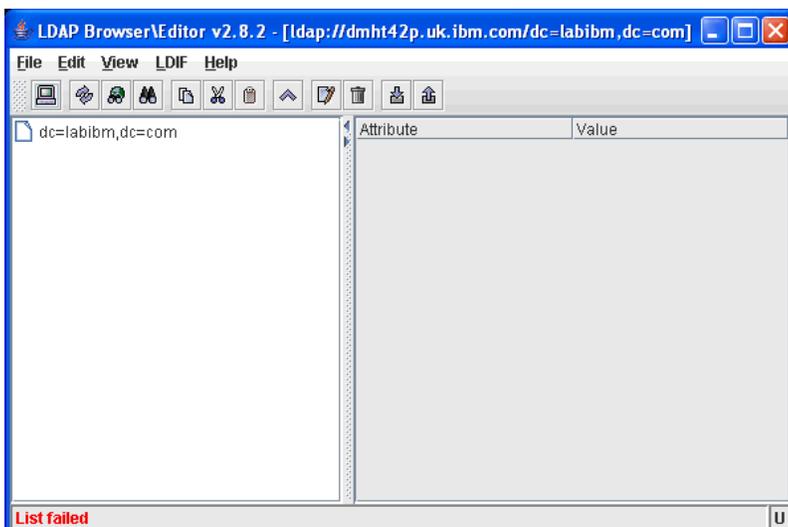
Having done this, I started OpenLDAP by executing the program `c:\Program Files\OpenLDAP\slapd.exe` from a command prompt ( I could have chosen to install/run it as a service but I didn't want it to clash with other LDAP servers that I might run, including Domino ).

Finally, I downloaded and installed the LDAP Browser/Editor (LBE) tool and configured it as follows: -

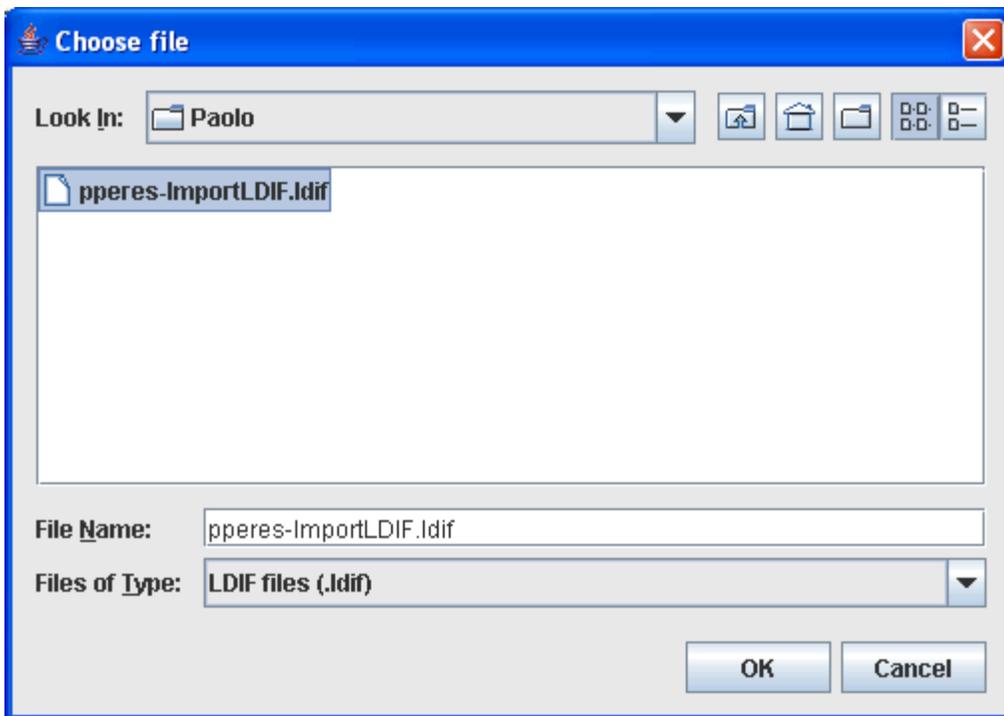
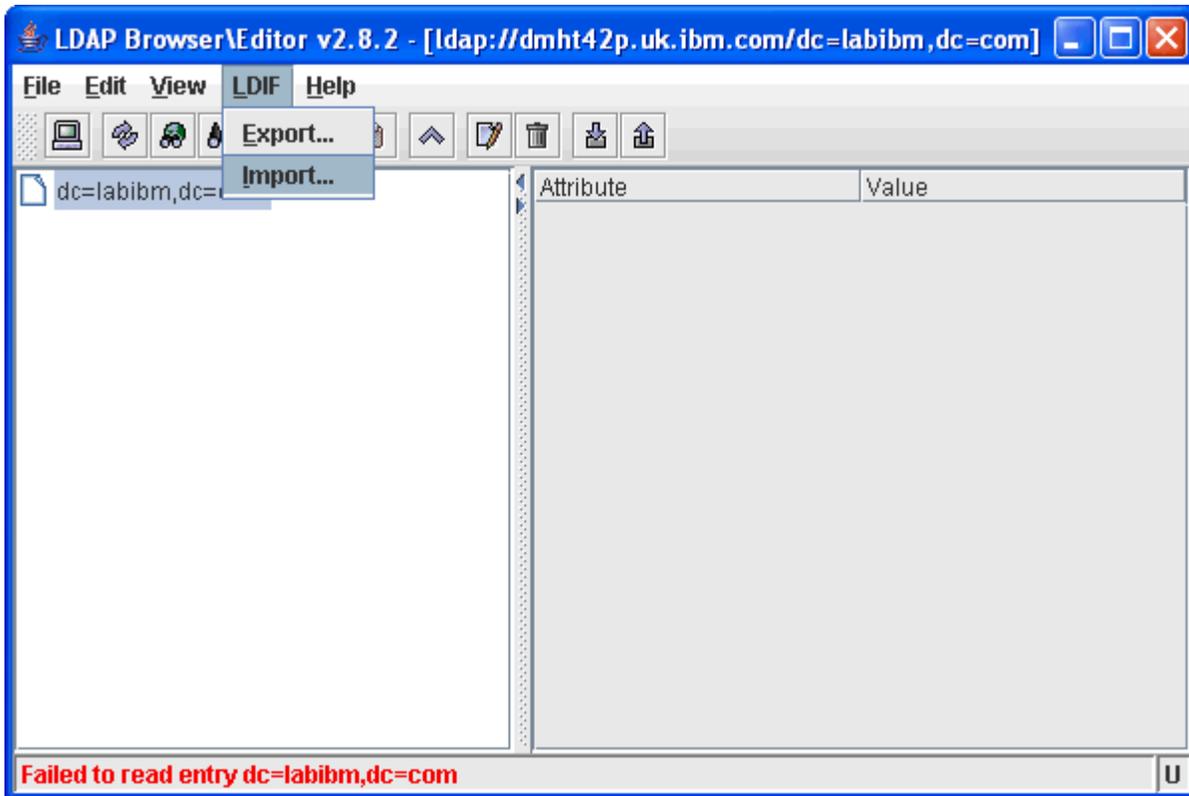


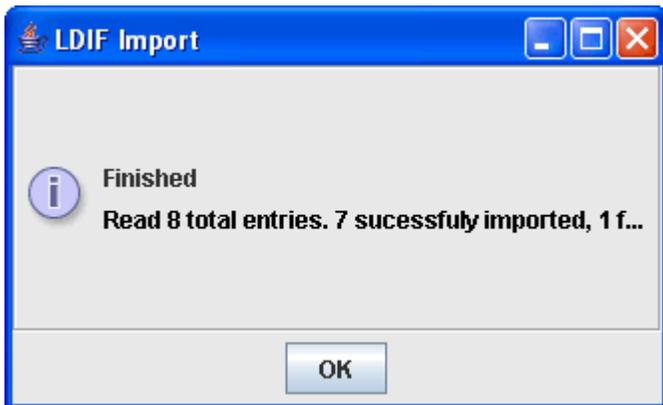
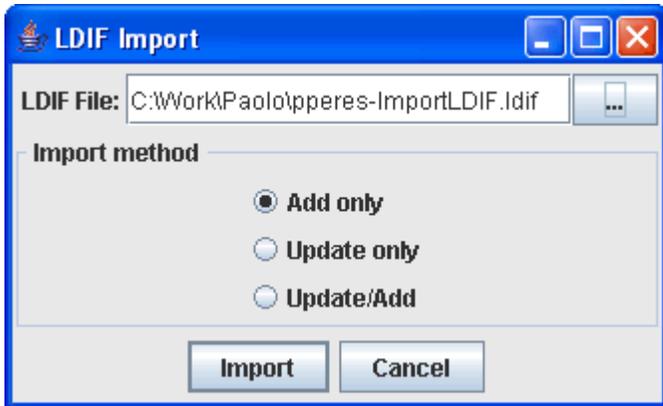
( I entered the clear-text password of `passw0rd` which corresponds with the encrypted variant in `slapd.conf` ).

I then connected to the LDAP server: -

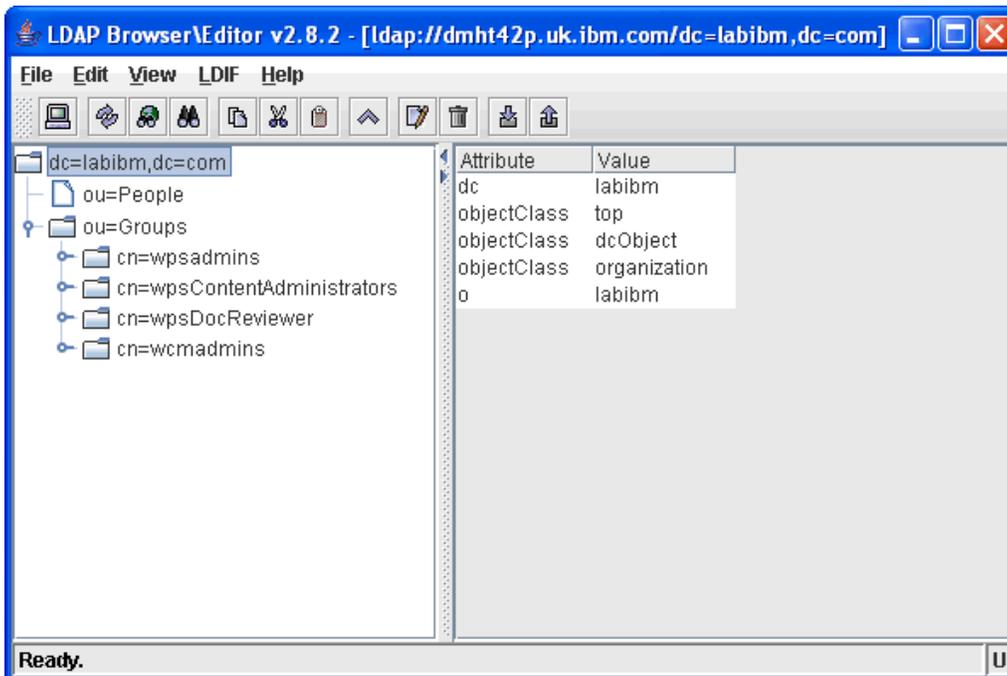


( ignoring the List failed message as there is no data to list at this point ).  
I then imported a LDIF file: -





which resulted in a LDAP full of data: -



Finally, I verified that the data directory ( c:\Program Files\OpenLDAP\data ) now contains data.

### Useful URLs and Resources

#### Lucas Bergman - OpenLDAP for Win32

<http://lucas.bergmans.us/hacks/openldap/>

<http://lucas.bergmans.us/hacks/openldap/download>

> openldap-2.2.29-db-4.3.29-openssl-0.9.8a-win32\_Setup.exe

#### Mickaël Guessant – OpenLDAP Installation and Configuration Guide

[http://mguessan.free.fr/nt/openldap\\_en.html](http://mguessan.free.fr/nt/openldap_en.html)

#### LDAP Admin Tool

<http://ldapadmin.sourceforge.net/download/index.html>

> LdapAdminExe-0.9.9.zip

#### LDAP Browser/Editor

<http://www-unix.mcs.anl.gov/~gawor/ldap/>

I hope this helps, and look forward to all/any comments that you have to offer.

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