



Introduction to IBM Tivoli Directory Server 6.0 – Installation and Configuration Using InstallShield MultiPlatform (ISMP)

Excerpt taken from presentation given on April 10, 2007
Creating an IBM Tivoli Directory Server instance after an ISMP Installation

Support Technical Exchange Web site
http://www-306.ibm.com/software/sysmgmt/products/support/supp_tech_exch.html

8/13/2007

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ISMP Installation Complete

After you install a server, you must perform the following configuration tasks before you can use the server:

- Create user IDs for the directory server instance owner and, for some installations, the database instance owner and the database owner. See [Appendix D. Setting up users and groups: directory server instance owner, database instance owner, and database owner](#) for detailed information about these user IDs.
- Create a directory server instance.
- Set the IBM Tivoli Directory Server administrator distinguished name (DN) and password for the directory server instance.
- Create and configure the database.

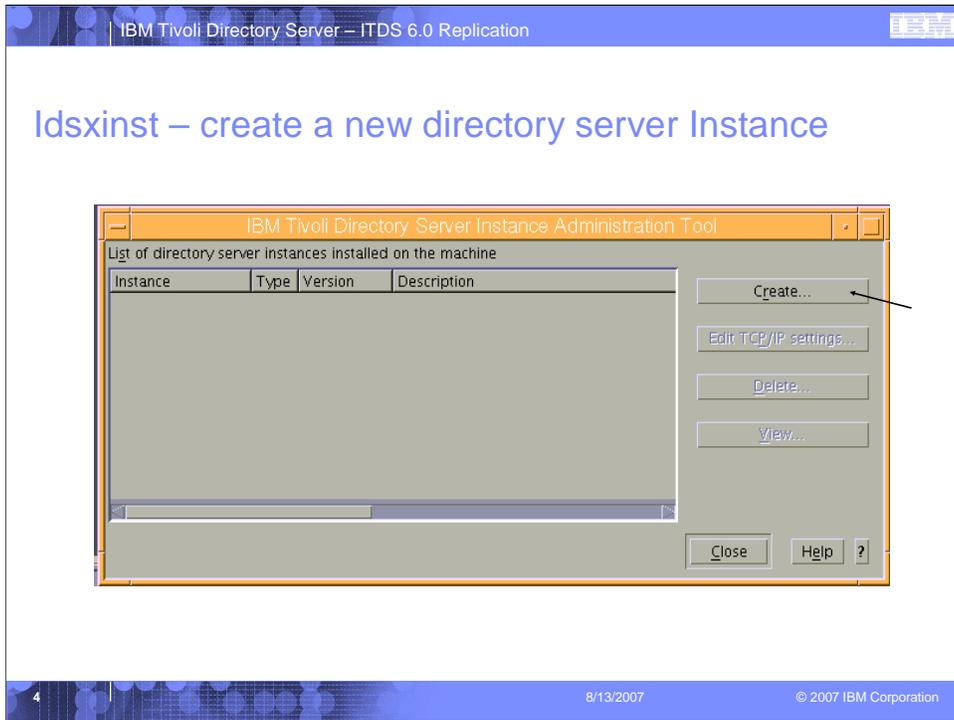
The IBM Tivoli Directory Server Instance Administration Tool is automatically launched after the ISMP installation has completed.

Creating Users and Groups

```
dtterm
Window Edit Options Help
==> mkggroup db2admin
[ root@ldapaixcl:/ ]
==> mkuser pgrp=db2admin groups=db2admin,idsldap home=/home/ismpinst ismpinst
[ root@ldapaixcl:/ ]
==> passwd ismpinst
Changing password for "ismpinst"
ismpinst's New password:
Enter the new password again:
[ root@ldapaixcl:/ ]
==> su - ismpinst
$ su - ismpinst
ismpinst's Password:
[compat]: 3004-610 You are required to change your password.
Please choose a new one.

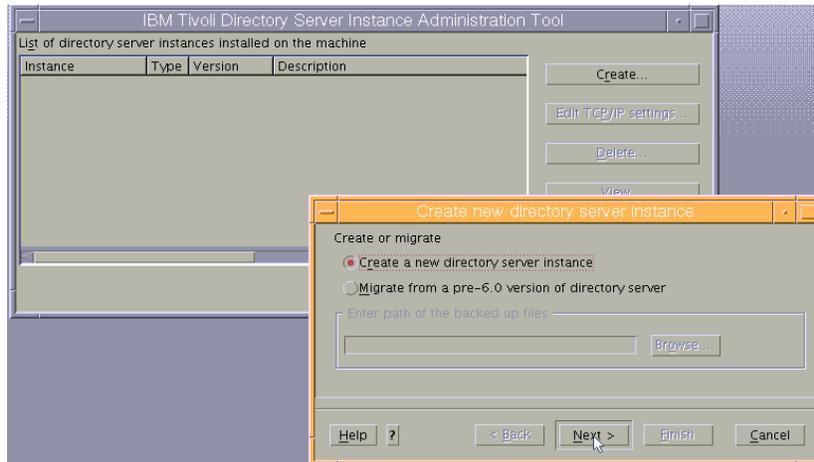
ismpinst's New password:
Enter the new password again:
$ exit
$ exit
[ root@ldapaixcl:/ ]
==> chgrpmem -m + root db2admin
[ root@ldapaixcl:/ ]
==>
```

1. Create a Db2 Administrator group named “db2admin”
2. Create a new user, whose primary group is the “db2admin” group and make them a member of the idsldap group.
3. Set the password for the new user.
4. su - <new user>
5. Again su - <new user> and enter the password
6. You will be prompted to enter a new password
7. Enter the new password for this user and confirm the password



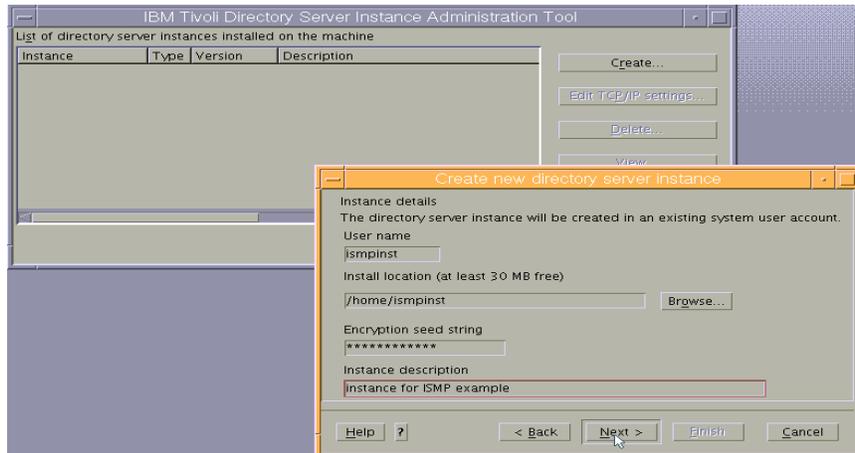
The IBM Tivoli Directory Server Instance Administration Tool is automatically launched after the ismp install has completed. You will use this tool to create your IBM Tivoli Directory Server Instance. Click the “Create” button to begin.

ldsxinst – create a new directory server Instance



The “Create new directory server instance” window will appear. Select “Create a new directory server instance” and click “Next”.

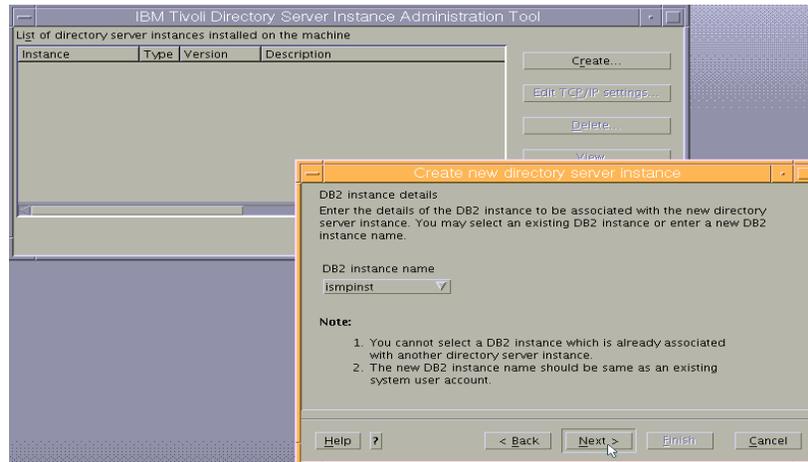
ldsxinst – create a new directory server Instance



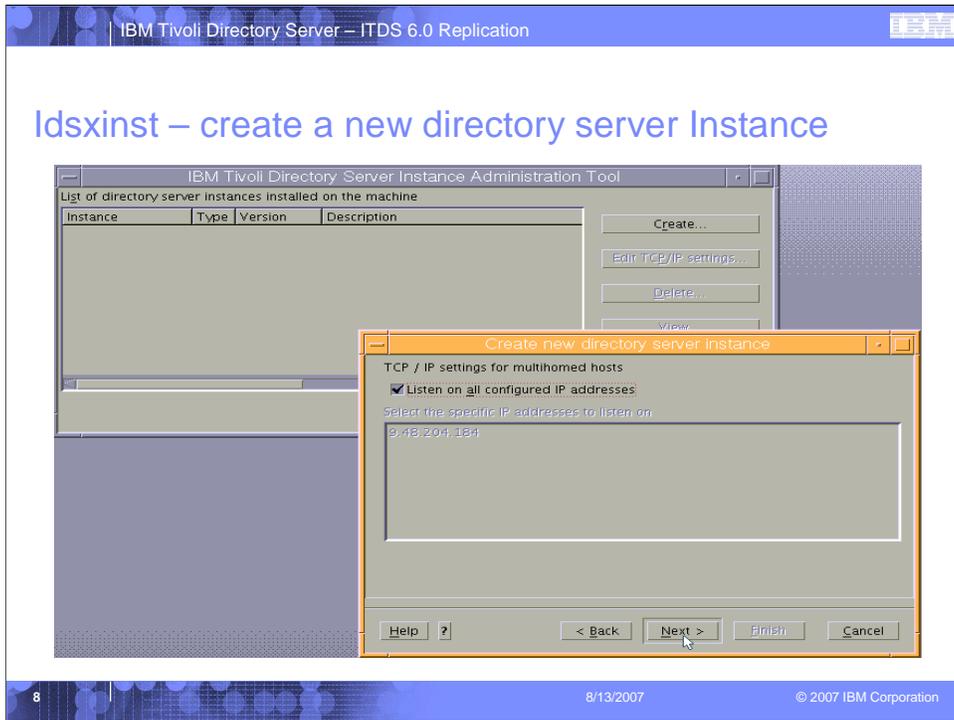
1. Enter the User name you created in slide 22.
2. Enter the Install location for this instance.
3. Enter the Encryption seed string for this instance. (**Make note of this value)
4. Optionally you may enter a description for this instance.



ldsxinst – create a new directory server Instance



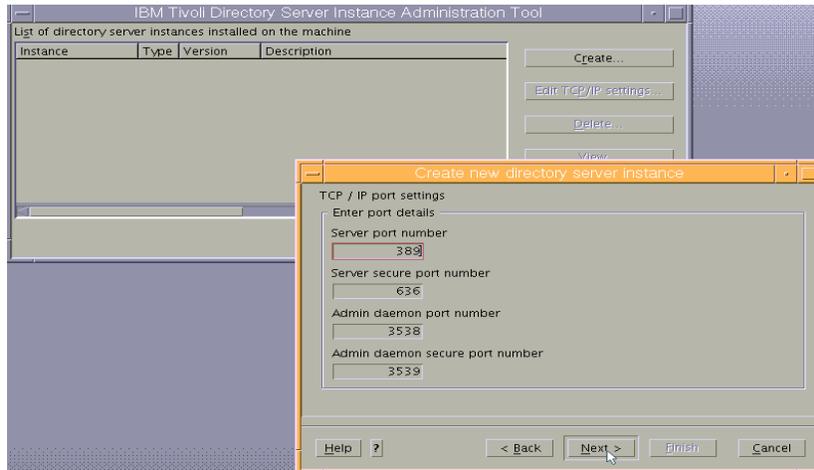
Select the DB2 instance name and click “Next”.



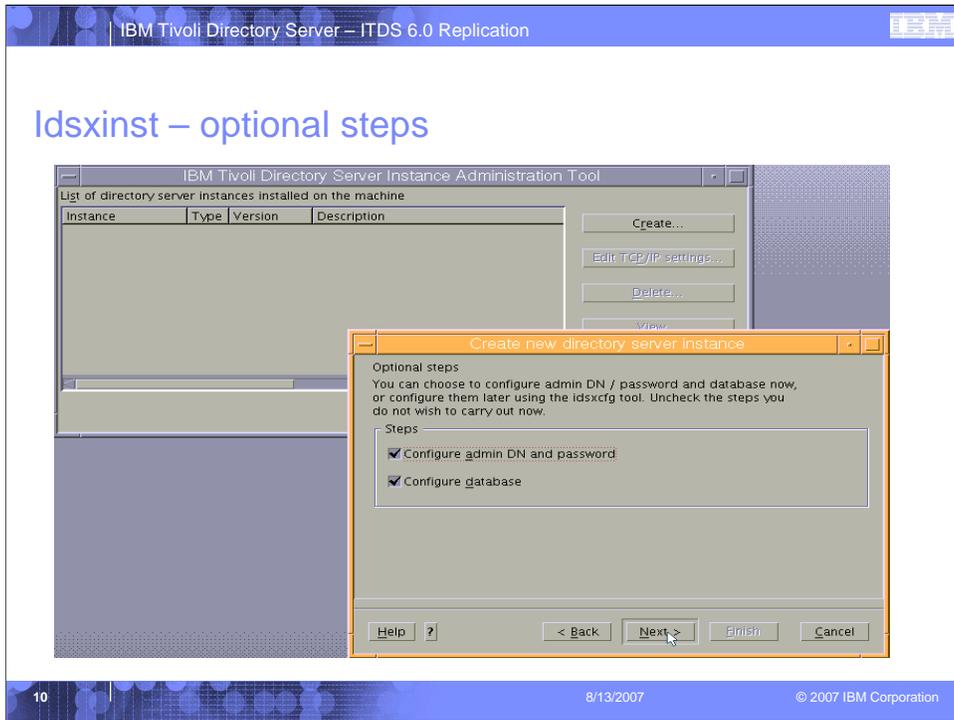
By default the “Listen on all configured IP addresses” will be selected, click the “Next” button to continue configuring the new directory server instance.



ldsxinst – create a new directory server Instance



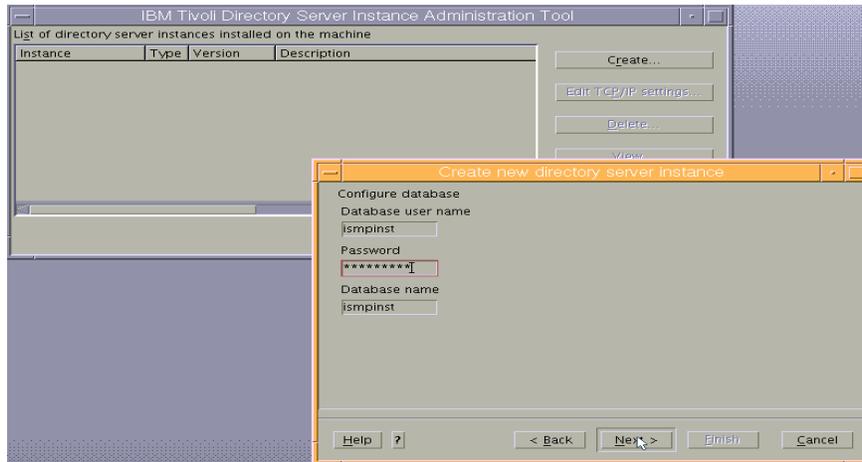
Each directory server instance is associated with four unique ports. The default settings are shown above. Click the “Next” button to continue with the default TCP/IP port settings.



Select “Configure admin DN and password” and “Configure database” and click the “Next” button.



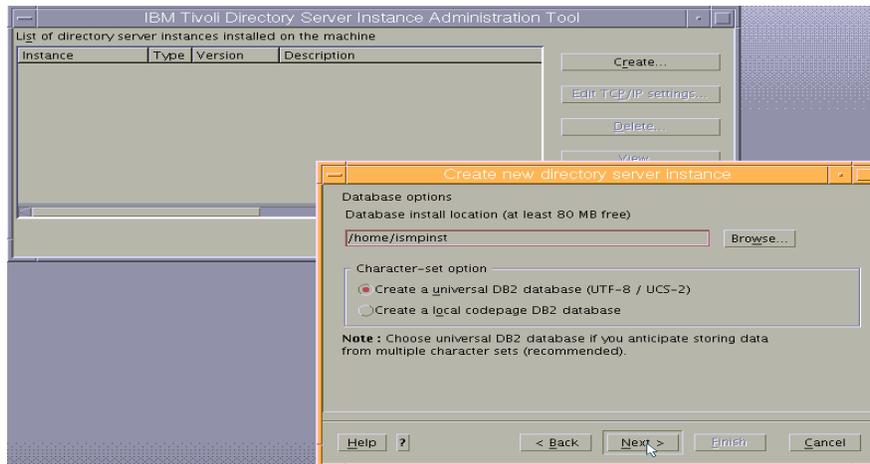
ldsxinst – create and configure the database



1. Enter the Database user name
2. Enter the password for the Database user name
3. Enter the Database name and click “Next”.

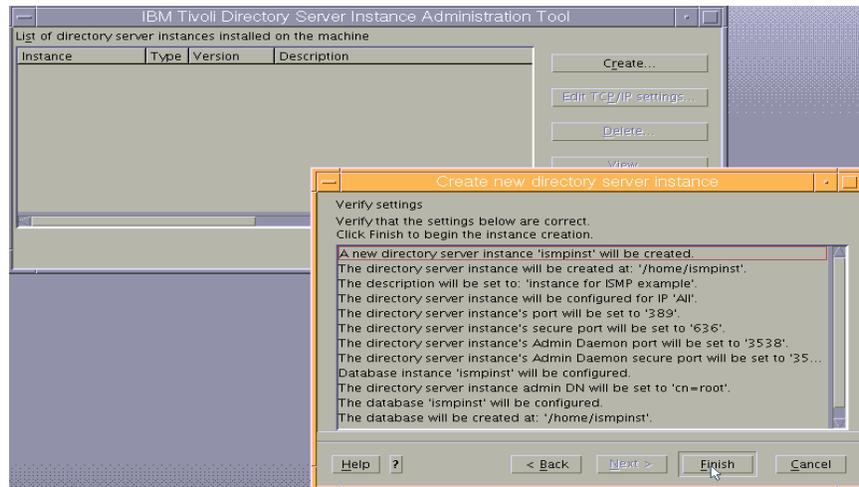


ldsxinst – create and configure the database



To create a UTF-8 database in the directory server instance location, click “Next” to continue.

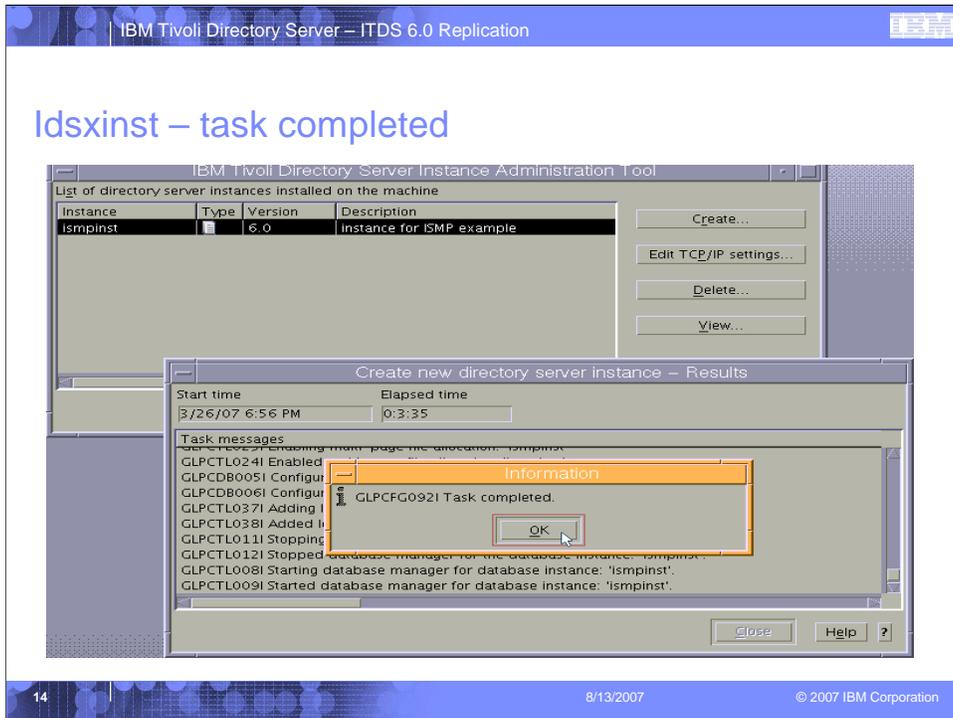
ldsxinst – confirm selections



Confirm your configuration selections and click “Finish” to

1. Create the new directory server instance
2. Create the new database instance
3. Set the Administrator DN and password
4. Create and configure the new database.

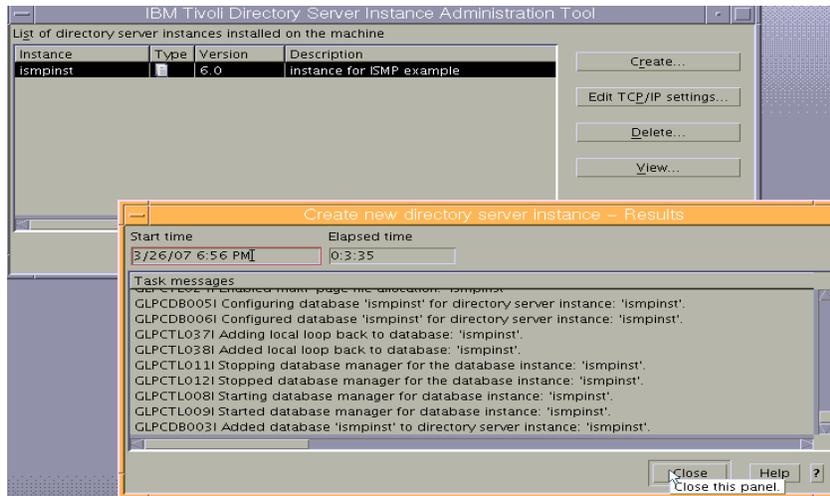
ldsxinst – task completed



When the creation and configuration is complete, you will see a pop up window indicating that the task is complete. Click “OK” to close the window. Note in the main ldsxinst window there is now an entry for the new directory instance just created.

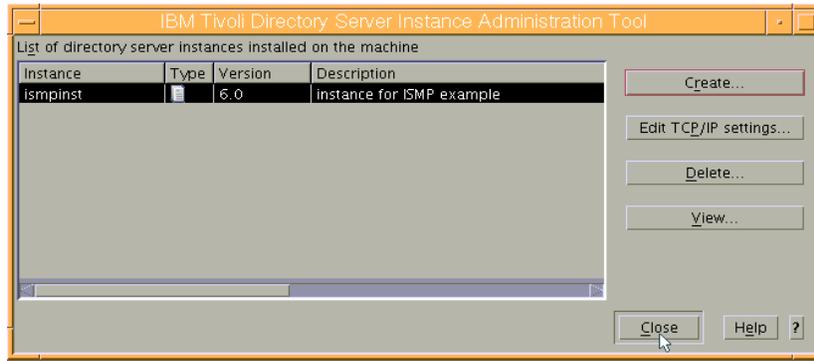


ldsxinst – exit the results panel

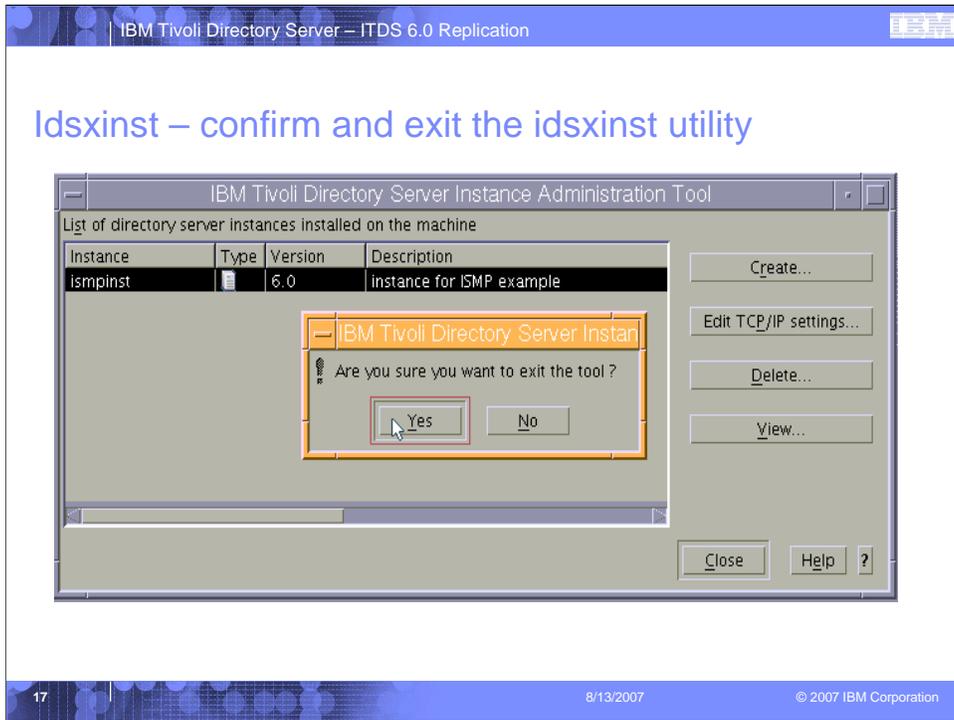


Click “Close” to close the results panel.

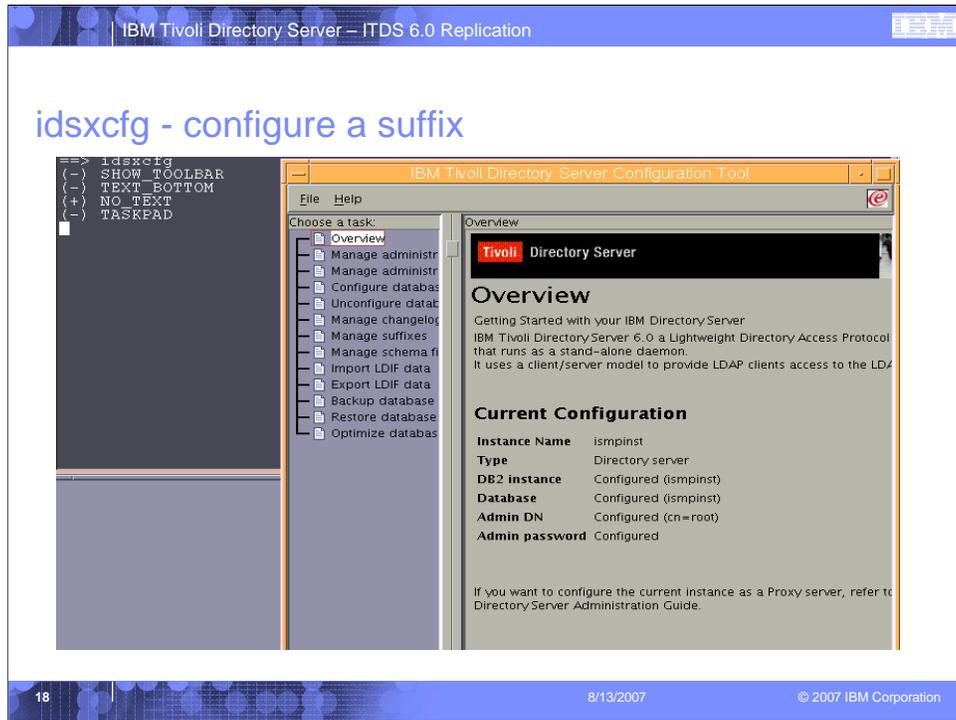
Idsxinst – exit the idsxinst utility



Click “Close” to exit the idsxinst utility.



After click the “Close” button on the previous slide, a pop up window will ask you to confirm whether or not you really want to exit the tool. Click “Yes” to exit the idsxinst tool.

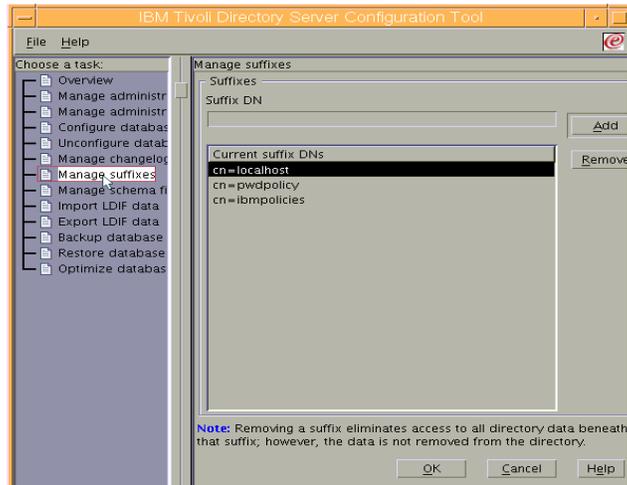


Launch the “idsxcfg” utility by issuing “idsxcfg from the command prompt.

**Note: You can also configure a database and set the Administrator DN and password from this utility as well



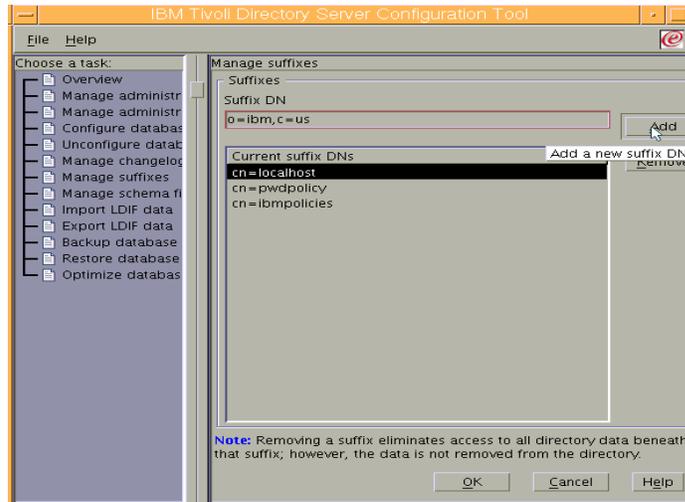
Idsxcfg - configure a new Suffix DN



Select “Manage suffixes” from the left hand navigation panel. This will load the “Manage suffixes” panel.

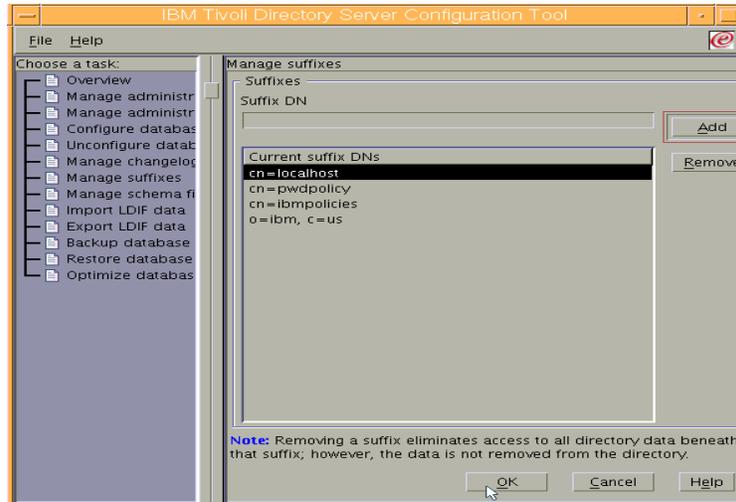


ldsxcfg - configure a new Suffix DN



Enter the new Suffix DN and click “Add”.

Idsxcfg – commit the Suffix DN changes



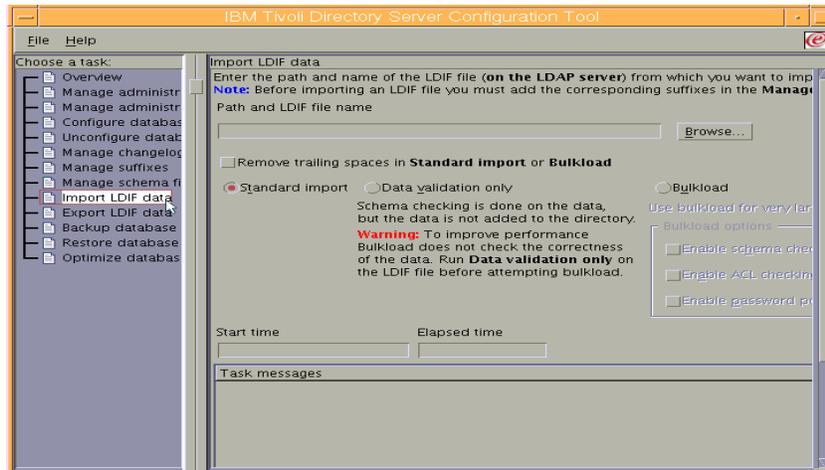
Click the “OK” button to commit the changes.

ldxscfg – suffix configuration complete



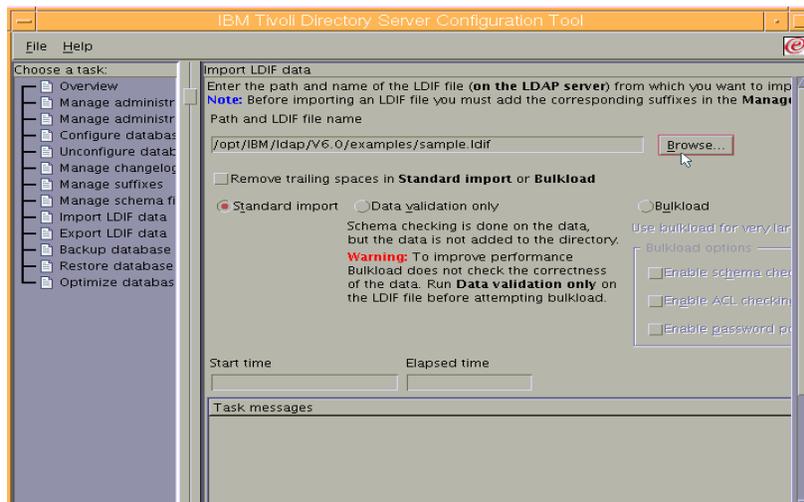
Once you have committed the changes to the “Manage suffixes” panel, the Overview panel is displayed. You are now ready to proceed to load data into the directory server database.

ldsxcfg – load the sample data

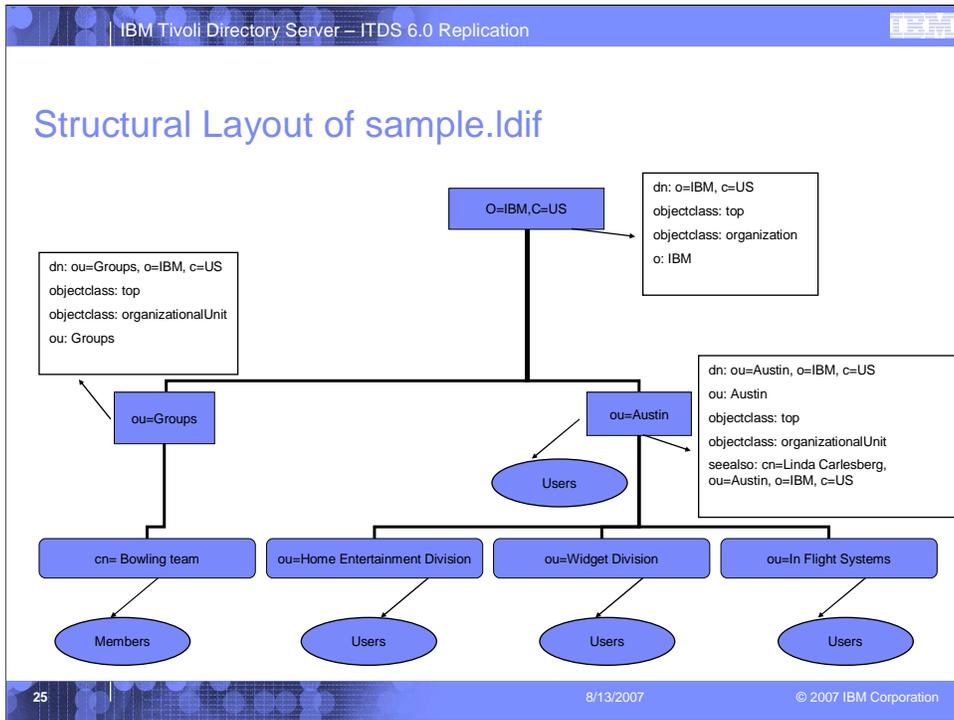


Select "Import LDIF data" from the left navigation panel.

ldsxcfg – load the sample data



Click the browse button to select the location of the ldif file that you wish to import. In the "/opt/IBM/ldap/V6.0/examples" directory a sample ldif file named "sample.ldif" is provided with the installation. The sample ldif file contains a static group definition, multiple subtree definitions and 50 user entries.



The top level entries for the sample.Idif file are defined as follows. These entries must be loaded before any user data can be loaded. The sample.Idif file contains these entries in the beginning of the Idif so the user entries can be loaded as part of the same file.

```
dn: o=IBM, c=US
```

```
objectclass: top
```

```
objectclass: organization
```

```
o: IBM
```

```
dn: ou=Austin, o=IBM, c=US
```

```
ou: Austin
```

```
objectclass: top
```

```
objectclass: organizationalUnit
```

```
seealso: cn=Linda Carlesberg, ou=Austin, o=IBM, c=US
```

```
dn: ou=In Flight Systems, ou=Austin, o=IBM, c=US
```

```
ou: In Flight Systems
```

```
objectclass: top
```

```
objectclass: organizationalUnit
```

```
description: main product:Course Maker
```

```
businessCategory: aircraft
```

```
seealso: cn=Maria Garcia, ou=In Flight Systems, ou=Austin, o=IBM, c=US
```

```
dn: ou=Home Entertainment, ou=Austin, o=IBM, c=US
```

```
ou: Home Entertainment
```

```
objectclass: top
```

```
objectclass: organizationalUnit
```

```
description: Home Entertainment product development
```

```
businessCategory: Home Entertainment
```

```
dn: ou=Groups, o=IBM, c=US
```

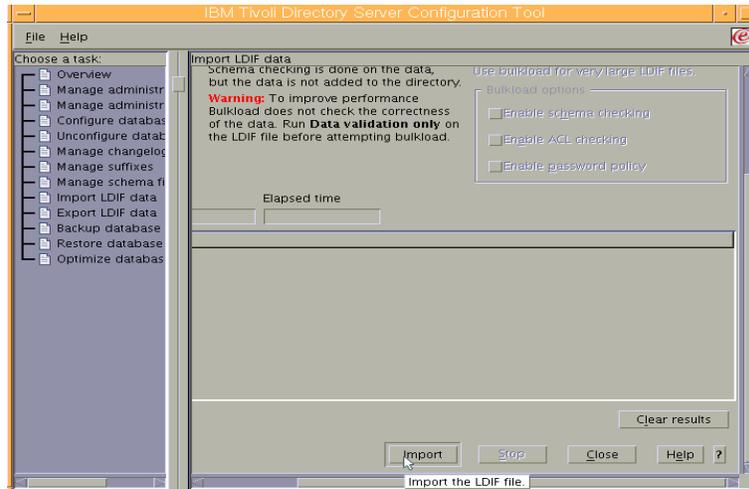
```
objectclass: top
```

```
objectclass: organizationalUnit
```

```
ou: Groups
```

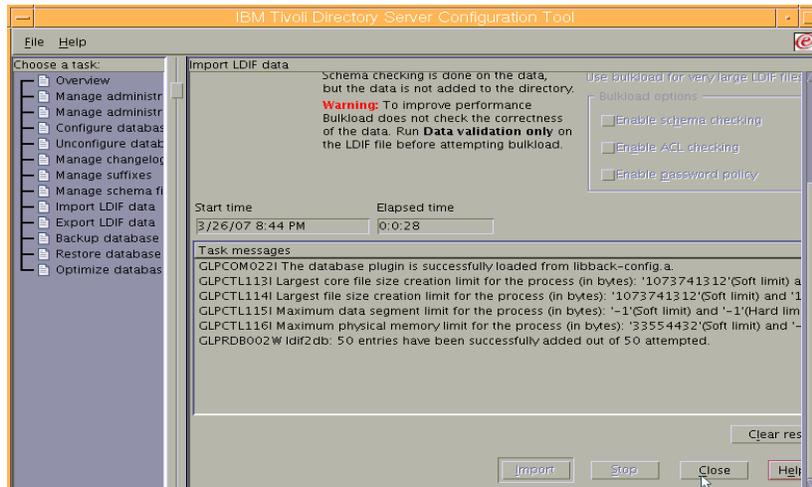
```
dn: cn=Bowling team, ou=Groups, o=IBM, c=US
```

ldsxcfg – load the sample data



Scroll to the bottom of the panel and click the “Import” button to begin loading the sample ldif file.

ldsxcfg – load the sample data is now complete



Once the ldif file is loaded, a success message indicating the number of entries loaded is displayed in the “Task messages” panel. Click the “Close” button to exit the “Import LDIF data” panel.



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