IBM Tivoli Software

Introduction to IBM Tivoli Directory Server 6.0 – Installation and Configuration Using AIX Native Utilities

Excerpt taken from presentation given on April 10, 2007
Creating an IBM Tivoli Directory Server instance after performing an installation using AIX native utilities

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

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User and Group Setup

We are now ready to being our configuration of the ITDS server. Our first step is to configure an OS user and group to own the database instance. I am going to use smitty for this example to show an alternative form of user/group creation.

Tasks:

- **Create an db2 admin group (nativegr) and add root as a member of that group**

- **Create an instance owner (nativein) and add user to primary group (nativegr)**

- **Create a valid password for the user**

- **Verify the user can login**

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Group Creation via smitty

- **To add the group we will again take advantage of smitty:**

#smitty group -> add a group ->

In the Add A Group screen fill in group name and add root as a member to the group:

Making sure that root and idsldap are members of this group

It is important to add root and idsldap to this group.

Group Creation via smitty

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Group Creation via smitty

IBM Tivoli Directory Server – ITDS 6.0 Replication

ldapaixc1.tivlab.austin.ibm.com - PuTTY

```
                              COMMAND STATUS

Command: OK              stdout: no              stderr: no

Before command completion, additional instructions may appear below.



















F1=Help              F2=Refresh           F3=Cancel            F6=Command
F8=Image             F9=Shell             F10=Exit             /=Find
n=Find Next
```

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It is important to add root and idsldap to this group.

User Creation via smitty

```
ldapaixc1.tivlab.austin.ibm.com - PuTTY                          _ □ X
                              Add a User

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

[TOP]                                          [Entry Fields]
* User NAME                                    [nativein]
  User ID                                      []                      #
  ADMINISTRATIVE USER?                          false                  +
  Primary GROUP                                [nativegr]              +
  Group SET                                    [idsldap]               +
  ADMINISTRATIVE GROUPS                        []                      +
  ROLES                                        []                      +
  Another user can SU TO USER?                  true                   +
  SU GROUPS                                    [ALL]                   +
  HOME directory                               []
  Initial PROGRAM                              []
  User INFORMATION                             []
  EXPIRATION date (MMDDhhmmyy)                 [0]
[MORE...38]

F1=Help              F2=Refresh         F3=Cancel         F4=List
F5=Reset             F6=Command         F7=Edit           F8=Image
F9=Shell             F10=Exit           Enter=Do
```

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Smitty user -> add a user ->

Type or select values in entry fields.

Press Enter AFTER making all desired changes.

[TOP]   [Entry Fields]
* User NAME   [nativein]
  User ID   []   #
  ADMINISTRATIVE USER?   false   +
  Primary GROUP   [nativegr]   +
  Group SET   []   +
  ADMINISTRATIVE GROUPS   []   +
  ROLES   []   +
  Another user can SU TO USER?   true   +
  SU GROUPS   [ALL]   +
  HOME directory   []
  Initial PROGRAM   []
  User INFORMATION   []
  EXPIRATION date (MMDDhhmmyy)   [0]

Setting the user password via smitty

- **In order to configure ITDS our instance owner (nativein) must have a valid password set and the ADMCHG (admin change flag) removed so the user is ready to login with that password.**

- **1.) To change the Password -> smitty user -> change a users password -> nativein -> enter the new password**

- **2.) vi /etc/security/passwd -> search for nativein entry and remove the flags=ADMCHG**

nativein:

    password = 6YYm6vOlpNoJk

    lastupdate = 1175371345

    flags = ADMCHG ← Remove this line

Configuration – idsicrt / idscfgdb

We now have our User and Group created and we are ready to create our database instance and then configure our database for use with ITDS.

To configure the instance we run:
  #idsicrt -I nativein -e seedfornativein -p 10389 -s 10636 -a 3550 -c 3553 -t nativein -l /home/nativein

Note: It is VERY important that the value used for your seed be written down and stored as there is no way to recover this value.

Configuration – idsicrt flags

- **Flags used in this example:**

-I nativein	The Instance name
-e seedfornativein	The encryption seed
-p 10389	The port ibmslapd will run on
-s 10636	The SSL port for ibmslapd
-a 3550	The Admin Daemon port
-c 3553	The SSL Admin Daemon port
-t nativein	The Instance Name
-l /home/nativein	The location for the instance

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Idsicrt prompts and output

When we issue the command it will present the following output

GLPICR020I A new directory server instance 'nativein' will be created.

GLPICR057I The directory server instance will be created at: '/home/nativein'.

GLPICR013I The directory server instance's port will be set to '10389'.

GLPICR014I The directory server instance's secure port will be set to '10636'.

GLPICR015I The directory server instance's Admin Daemon port will be set to '3550'.

GLPICR016I The directory server instance's Admin Daemon secure port will be set to '3553'.

GLPICR019I The description will be set to: 'IBM Tivoli Directory Server Instance V6.0'.

GLPICR021I Database instance 'nativein' will be configured.

Do you want to....

(1) Continue with the above actions, or

(2) Exit without making any changes:1 ← Select 1

Idsicrt – A successful configuration:

Configuring the database - idscfgdb

- **Once our database instance has been created we are now ready to configure the database for use with ITDS. We will run the following command:**

  #idscfgdb -I nativein -a nativein -w ******** -t nativein -l /home/nativein

- **For simplicity sake I named each of my variables the same, in the next slide we will discuss what each flag does.**

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idscfgdb – flags

- **The flags for the idsicrt command used in the previous example:**

-I nativein	The Instance name
-a nativein	The Instance owner
-w ******	The Instance owners password
-t nativein	The database name
-l /home/nativein	The database location

idscfgdb – Prompt

- **When we issue the command we will be presented with the following:**

GLPCDB023I Database 'nativein' will be configured.

GLPCDB024I Database 'nativein' will be created at '/home/nativein'

Do you want to....

(1) Continue with the above actions, or

(2) Exit without making any changes:1 ← Select 1

idscfgdb – A successful database config

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