Upgrading Windows Active Directory adapter to ISIM 6.0 from TIM 5.0

The ISIM 6.0 version of the Windows Active Directory adapter supports service groups management: creation, modification and deletion of Active Directory groups. To support this feature, the 6.0 adapter profile and the Active Directory adapter have been modified and are not compatible with the 5.0 versions of the adapter.

The previous version of the adapter will function properly on ISIM 6.0 during the upgrade period; however service groups management will not be available. Furthermore, support for the 5.0 versions of the adapter running on ISIM 6.0 is limited to the upgrade period only.

If you are upgrading the ISIM server to 6.0 you must perform the following steps prior to installing the 6.0 version of the adapter:

1. Create a backup of your directory schema and objects.
2. Run the "upgradeGroups" tool <u>without the **update** parameter</u> to verify the environment is correct.
3. Run the "upgradeGroups" tool with the **update** parameter to update the AD adapter group object class (erADGroup) so that it is compatible with the 6.0 adapter profile.
4. Import the 6.0 adapter profile using the import service type in TIM***.**
5. Install the Windows Active Directory as described in the installation guide and release notes. ***Make sure to select "Full Installation".***
6. At a minimum, issue a "Supporting Data Only" reconciliation request from TIM. A full reconciliation is acceptable as well.

➔ ***** Note: After importing the 6.0 adapter profile, you may need to wait for TIM to refresh its cache for the 6.0 profile to be reflected. One way to verify that the 6.0 profile has been loaded, attempt to create a group from ISIM. If the "create" button on the manage groups panel still disabled, then the 6.0 profile has not been loaded yet.

The "upgradeGroups" tool

The upgradeGroups tool will update the TIM LDAP as follow:

- Create the following attributes and add them to the erADGroup object class.
  erADGroupSamAccountName   // Unique group name used by Active Directory
  erADGroupDescription   // Group description

- Remove the following attribute from the erADGroup object class.
  description   // Used for group description in pervious adapter version.

- Update all objects of erADGroup class as follow:
  Set value of attribute erADGroupSamAccountName to value of erADGroupCN.
  Set value of attribute erADGroupDescription to valaue of description.
  Delete the object and re-create it using "erADGroupSamAccountName" as the naming attribute.

Running the upgradeGroups tool

Usage: java upgradeGroups <ITIM_HOME> AD [update]

Where **AD** is a required value (for the Windows AD adapter)
Supply the **update** parameter to commit LDAP changes.

It is highly recommended to initially run the tool without the **update** parameter to verify that your CLASSPATH and TIM home directory are correct. If the environment is correct, the tool will display *"Verification OK. Rerun the tool with the 'update' parameter to commit changes"*. If there are any issues, the tool will display the Java exceptions.

Once the environment is verified, rerun the command with the **update** parameter. If there are any errors, the tool will display them on the screen, otherwise the message *"Upgrade OK. You can import the 5.1 profile now"* will be displayed indicating that the upgrade is complete.

→Note that the "Upgrade OK" message displays 5.1 instead of 6.0. This is known logging issue only and can be ignored. Proceed with your 6.0 profile

Requirements:
- You must run the upgradeGroups tool on the machine hosting the TIM server.
- The CLASSPATH must include itim_common.jar, tim_server.jar, jlog.jar and the ITIM data directory. These jar files are located under the TIM lib directory.
- You must supply the ITIM home directory and the key value **AD** on the command line.
- Supply the **update** parameter only when you are sure the environment is correct.

➔ On Windows platforms, it is recommended to run the command or the batch file from a command prompt to capture the tool's output.

It is recommended to create a batch or script file that runs the tool. As a convenient as DOS batch file, updateAD.bat, is supplied.   Content of updateAD.bat:

```
set JAVA=C:\Program Files\IBM\WebSphere\AppServer\java\bin\java
set TIM_HOME=C:\Program Files\IBM\itim
set TIM_DATA=%TIM_HOME%\data
"%JAVA%" –cp "%TIM_HOME%\lib\itim_common.jar"; "%TIM_HOME%\lib\itim_server.jar";
"%TIM_HOME%\lib\jlog.jar"; upgradeGroups.jar; "%TIM_DATA%" upgradeGroups "%TIM_HOME%" AD
```

➔ Make appropriate changes to updateAD.bat to match you TIM installation location and platform.