

# IBM Tivoli Netcool/Omnibus V7.3.1

Changing the default parent setting to the file-based repository



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In this IBM Tivoli® Netcool/OMNIBus Web GUI version 7.3.1 training module, you learn how to change the default parent from its current setting to the file-based repository.

## Assumptions

It is assumed that you are currently using the Federated repository as the user account repository. The Federated repository is the default option for the realm definition. This default setting is verified within this training module prior to making changes to the user account repository settings.

It is assumed that you are currently using the Federated repository as the user account repository. This is the system default option for the realm definition.

## Objectives

After you have completed this training module, you can accomplish these tasks:

- Describe the default parent repository source and its significance
- Verify the currently configured default parent repository source through both the GUI and the CLI
- Update the default parent to the file-based repository source through both the GUI and the CLI

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## Default parent repository source significance

Default parent repository source significance:

- Federated repositories:
  - Enable use of multiple repositories with WebSphere® Application Server
  - Repositories can be file-based repositories, LDAP repositories, or a sub-tree of an LDAP repository
  - Defined and theoretically combined under a single realm
- If you configure multiple repositories under the federated repositories realm:
  - You must also configure supported entity types
  - You must specify a base entry for the default parent
- Changing the default repository source to the file-based repository:
  - New users created in the **Manage Users** menu are now created in the file-based repository
  - New groups created in the **Manage Groups** menu are now also created in the file-based repository

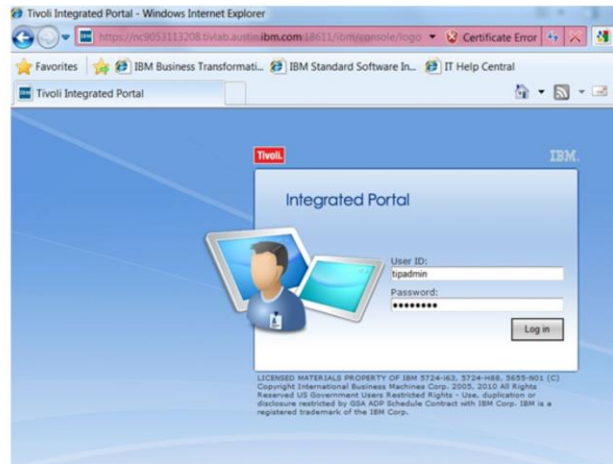
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*Federated repositories* enable you to use multiple repositories with WebSphere Application Server. These repositories, which can be file-based repositories, LDAP repositories, or a sub-tree of an LDAP repository, are defined and theoretically combined under a single realm. If you configure multiple repositories under the federated repositories realm, you must also configure supported entity types and specify a base entry for the default parent.

Changing the default repository source to the file-based repository means that new users created in the **Manage Users** menu are now created in the file-based repository. It also means that the new groups created in the **Manage Groups** menu are now also created in the file-based repository.

## Log in to the IBM Tivoli Integrated Portal as user with iscadmin role

Log in to the IBM Tivoli Integrated Portal as a user with the iscadmin role



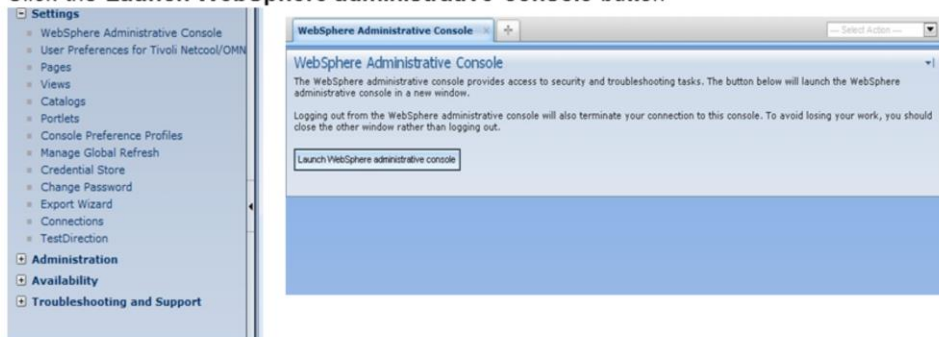
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Log in to the IBM Tivoli Integrated Portal as a user with the iscadmin role. By default, the tipadmin user account has the iscadmin role assigned to it. Check with your IBM Tivoli Integrated Portal administrator for a user account with the iscadmin role assigned to it.

## Launch the WebSphere Administrative Console

Perform these actions:

- Click to expand the **Settings** folder
- Click the **WebSphere Administrative Console** link
- Click the **Launch WebSphere administrative console** button



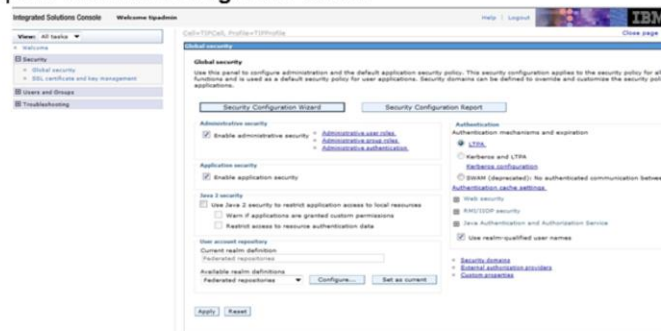
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Click to expand the **Settings** menu. Now locate and click the **WebSphere Administrative Console** link. The WebSphere Administrative Console screen now appears. Click the **Launch WebSphere administrative console** button.

## Open the global security panel

Perform these actions:

- Expand the **Security** menu
- Click the **Global security** link
- In the right pane click the **Configure...** button



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In the WebSphere Administrative console expand the **Security** folder. Locate and click the **Global security** link. Assuming that you are currently using the Federated repository as the user account repository, the default option for the realm definition, click the **Configure...** button to open the Federated repository configuration menu.

## Federated repository configuration - GUI

Perform these actions from the GUI:

- Copy the Base Entry string for the File Repository Type
- Click the **Supported Entity Types** link

Repositories in the system

Base Entry	Repository identifier	Repository Type
ibmfile:ibmfile	ibmfile	LDAP AD
ibmfile:ibmfile:ibmfile	ibmfile:ibmfile	File
ibmfile:ibmfile:ibmfile	ibmfile:ibmfile:ibmfile	Custom

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The configured repository sources are listed in a table at the bottom of the page. Scroll down the page to view them. Only one of these two repositories can be defined as the **Default repository**. The **Default repository** is the repository that IBM Tivoli Integrated Portal uses when creating new user accounts through the **Manage Users** menu and **Manage Groups** menu.



## Changing the default parent to the file-based repository - GUI

The default repository source for Group, OrgContainer, and PersonAccount is the netcoolObjectServer repository

Cell=TIPCell, Profile=TIPProfile

Global security > Federated repositories > Supported entity types

Use this page to configure entity types that are supported by the member repositories.

Preferences

Entity Type	Base Entry for the Default Parent	Relative Distinguished Name Properties
You can administer the following resources:		
<a href="#">Group</a>	o=netcoolObjectServerRepository	cn
<a href="#">OrgContainer</a>	o=netcoolObjectServerRepository	o;ou;dc;cn
<a href="#">PersonAccount</a>	o=netcoolObjectServerRepository	uid
Total 3		

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In this example, the netcoolObjectServerRepository is the base entry for the default parent for all listed entity types. It is currently the default repository source for the Group, OrgContainer, and PersonAccount entity types. This training module demonstrates how to make configuration changes so that the file-based repository is the default repository source for all three.

## Changing the default parent group - GUI (1 of 2)

Perform these actions from the GUI:

- Verify that **netcoolObjectServerRepository** is the **Base entry for the default parent**
- Delete the **netcoolObjectServerRepository** information
- Paste the file-based repository string copied earlier into the **Base entry for the default parent** field
- Click the **OK** button

Cell=TIPOCell, Profile=TIPOProfile

Global security > Federated repositories > Supported entity types > Group

Use this page to configure entity types that are supported by the member repositories.

General Properties

\* Entity type  
Group

\* Base entry for the default parent  
o=netcoolObjectServerRepository

\* Relative Distinguished Name properties  
ou

Apply OK Reset Cancel

Cell=TIPOCell, Profile=TIPOProfile

Global security > Federated repositories > Supported entity types > Group

Use this page to configure entity types that are supported by the member repositories.

General Properties

\* Entity type  
Group

\* Base entry for the default parent  
o=defaultFileBasedRealm

\* Relative Distinguished Name properties  
ou

Apply OK Reset Cancel

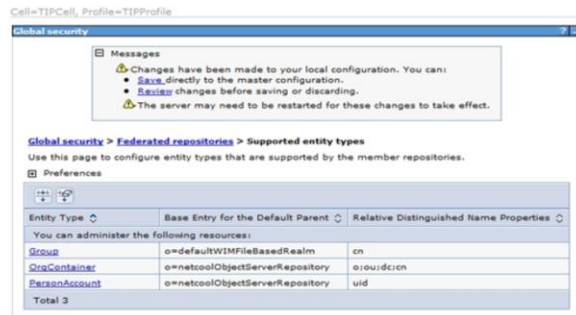
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On this slide the **Base entry for the default parent** is the **netcoolObjectServerRepository**. Delete this information from that text box. Now paste the file-based base entry that was copied earlier into the **Base entry for the default parent** text box for the Group entity type and click **OK**.

## Changing the default parent group - GUI (2 of 2)

Perform these actions from the GUI:

- Click the **Save** link to confirm the change
- Click the **OrgContainer** link



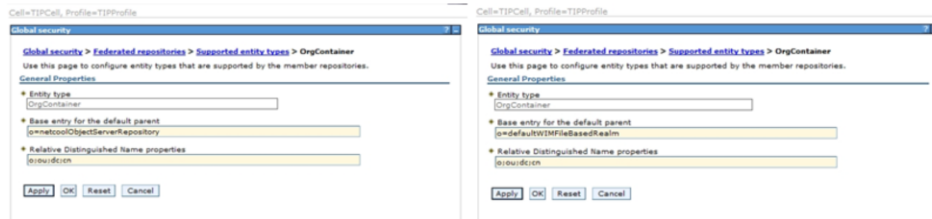
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Save the change to the Entity type. Make sure you click the **Save** link to confirm the change.

## Changing the default parent OrgContainer - GUI

Perform these actions from the GUI:

- Paste the file-based repository string copied earlier into the **Base entry for the default parent** field
- Click the **OK** button



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Paste the file-based **Base Entry** that was copied earlier into the **Base entry for the default parent** text box for the OrgContainer **Entity type**.

## Changing the default parent OrgContainer - GUI

Perform these actions from the GUI:

- Click the **Save** link to confirm the change
- Click the **PersonAccount** link

Cell=TIPCell, Profile=TIPProfile

Global security

Messages

- Changes have been made to your local configuration. You can:
  - [Save](#) directly to the master configuration.
  - [Review](#) changes before saving or discarding.
- The server may need to be restarted for these changes to take effect.

Global security > Federated repositories > Supported entity types

Use this page to configure entity types that are supported by the member repositories.

Preferences

Entity Type	Base Entry for the Default Parent	Relative Distinguished Name Properties
You can administer the following resources:		
<a href="#">Group</a>	o=defaultWIMFileBasedRealm	cn
<a href="#">OrgContainer</a>	o=defaultWIMFileBasedRealm	o:ou:dc:cn
<a href="#">PersonAccount</a>	o=netcoolObjectServerRepository	uid
Total 3		

Save the change to the Entity type and click the **Save** link to confirm the change.

## Changing the default parent PersonAccount - GUI

Perform these actions from the GUI:

- Paste the file-based repository string copied earlier into the **Base entry for the default parent** field
- Click the **OK** button

Cell=TIPCell, Profile=TIPProfile

Global security > Federated repositories > Supported entity types > PersonAccount

Use this page to configure entity types that are supported by the member repositories.

General Properties

- Entity type  
PersonAccount
- Base entry for the default parent  
o=netcoolObjectServerRepository
- Relative Distinguished Name properties  
uid

Apply OK Reset Cancel

Cell=TIPCell, Profile=TIPProfile

Global security > Federated repositories > Supported entity types > PersonAccount

Use this page to configure entity types that are supported by the member repositories.

General Properties

- Entity type  
PersonAccount
- Base entry for the default parent  
o=defaultWIMFileBasedRealm
- Relative Distinguished Name properties  
uid

Apply OK Reset Cancel

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Paste the file-based **Base Entry** that was copied earlier into the **Base entry for the default parent** text box for the **PersonAccount Entity type**.

## Saving repository changes - GUI (1 of 3)

Perform these actions from the GUI:

- Click the **Save** link to confirm the change
- Now the File-based repository is configured as your default repository
- Click on the **Federated repository** link

Cell=TIPCell\_Profile=TIPProfile

Global security > Federated repositories > Supported entity types

Use this page to configure entity types that are supported by the member repositories.

Preferences

Entity Type	Base Entry for the Default Parent	Relative Distinguished Name Properties
You can administer the following resources:		
Group	o=defaultWIMFileBasedRealm	cn
OrgContainer	o=defaultWIMFileBasedRealm	o=ou:dccn
PersonAccount	o=defaultWIMFileBasedRealm	uid
Total 3		

Cell=TIPCell\_Profile=TIPProfile

Global security > Federated repositories > Supported entity types

Use this page to configure entity types that are supported by the member repositories.

Preferences

Entity Type	Base Entry for the Default Parent	Relative Distinguished Name Properties
You can administer the following resources:		
Group	o=defaultWIMFileBasedRealm	cn
OrgContainer	o=defaultWIMFileBasedRealm	o=ou:dccn
PersonAccount	o=defaultWIMFileBasedRealm	uid
Total 3		

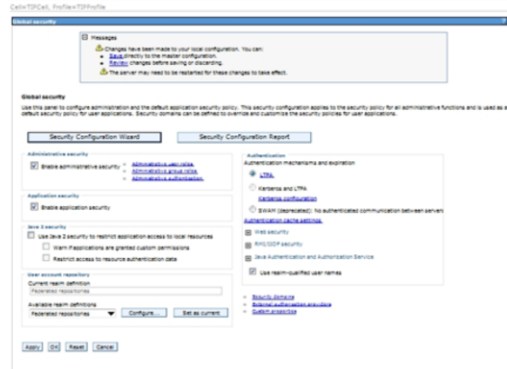
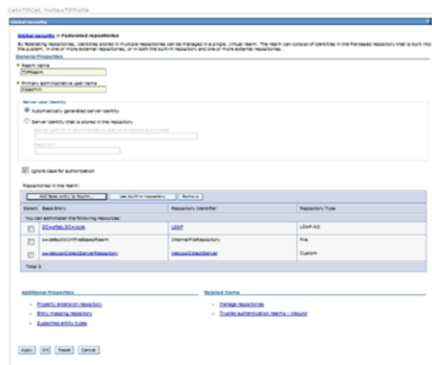
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Save the change to the entity type and click the **Save** link to confirm the change.

## Saving repository changes - GUI (2 of 3)

Perform these actions from the GUI:

- Scroll down the page and click the **OK** button
- Click the **Save** link to confirm the change
- Click the **Global security** link



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To make sure that the changes to the entity type are saved properly, go back through the navigation menus and apply the changes. Start this on the federated repository menu by clicking the **OK** button. You are prompted to save your changes. Click the **Save** link. Now click the **Global Security** link to confirm your changes on the final menu.



## Saving repository changes - GUI (3 of 3)

Perform these actions from the GUI:

- Scroll down the page
- Click the **Apply** button
- Click the **Save** link to confirm the changes
- Log out to prepare for IBM Tivoli Integrated Portal restart



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The **Global Security** menu is the last menu that you need to confirm your changes through. Scroll to the bottom of the page. Click the **Apply** button to confirm the changes. Click the **Save** link on this screen to save the changes. Log out of the console to prepare for an IBM Tivoli Integrated Portal restart. The changes take effect after the restart.

## Restart the IBM Tivoli Integrated Portal - GUI

Stop and start the IBM Tivoli Integrated Portal server for the changes to take effect on the repository

```
[pstanto6@nc9053113208 bin]$ ./stopServer.sh server1 -username tipadmin -password tipadmin
ADMU0116I: Tool information is being logged in file
           /opt/pstanto6/IBM/tivoli/tipv2/profiles/TIPProfile/logs/server1/stopServer.log
ADMU0128I: Starting tool with the TIPProfile profile
ADMU3100I: Reading configuration for server: server1
ADMU3201I: Server stop request issued. Waiting for stop status.
ADMU4000I: Server server1 stop completed.

[pstanto6@nc9053113208 bin]$ ./startServer.sh server1
ADMU0116I: Tool information is being logged in file
           /opt/pstanto6/IBM/tivoli/tipv2/profiles/TIPProfile/logs/server1/startServer.log
ADMU0128I: Starting tool with the TIPProfile profile
ADMU3100I: Reading configuration for server: server1
ADMU3200I: Server launched. Waiting for initialization status.
ADMU3000I: Server server1 open for e-business; process id is 18668
```

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Stop and restart the IBM Tivoli Integrated Portal server. The IBM Tivoli Integrated Portal restart allows the changes to the default repository to take effect.

## Connecting to the wsadmin scripting prompt - CLI

Start the wsadmin scripting client with the Jython scripting language

```
$ cd TIHOME/profiles/TIPProfile/bin
```

```
$ . setupCmdLine.sh
```

```
$ ./wsadmin.sh -lang jython -user tipadmin -password tipadmin -profile TIPProfile
```

The following CLI tutorial uses the Jython scripting language. So for the tutorial to work, you must use the start command documented here.

## Gather repository details - CLI

Perform these actions from the CLI:

- Run `AdminTask.listIdMgrRealms("")` to get the name of your realm
- Run `AdminTask.listIdMgrRealmBaseEntries('[-name TIPRealm]')` to get a list of the currently configured base entries in your configured realm

```
wsadmin>
wsadmin>AdminTask.listIdMgrRealms('')
'TIPRealm'
wsadmin>
```

```
wsadmin>
wsadmin>AdminTask.listIdMgrRealmBaseEntries('[-name TIPRealm]')
'o=defaultWIMFileBasedRealm\no=netcoolObjectServerRepository\nDC=sflab,DC=local'
wsadmin>
```

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The command shown on this slide returns your realm name. You need this realm name for the next command which lists the current base entries in your realm. Here you see that there is a file-based entry, ObjectServer entry, and LDAP entry.

## List the current default parent repository - CLI

Run these commands to get the currently configured default parent for the Group, OrgContainer and Personaccount:

```
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name Group]')
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name OrgContainer]')
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name PersonAccount]')
```

```
wsadmin>
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name Group]')
'{name=Group, defaultParent=o-netcoolObjectServerRepository, rdnProperties=[cn]}'
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name OrgContainer]')
'{name=OrgContainer, defaultParent=o-netcoolObjectServerRepository, rdnProperties=[o, ou, dc, cn]}'
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name PersonAccount]')
'{name=PersonAccount, defaultParent=o-netcoolObjectServerRepository, rdnProperties=[uid]}'
wsadmin>
```

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In this example, the ObjectServer base entry is the current default parent.

## Change and save the default parent repository - CLI

Run the these commands to update and save the file repository as the default parent

```
wsadmin>AdminTask.updateIdMgrSupportedEntityType([-name Group -defaultParent o=defaultWIMFileBasedRealm])
wsadmin>AdminTask.updateIdMgrSupportedEntityType([-name OrgContainer -defaultParent o=defaultWIMFileBasedRealm])
wsadmin>AdminTask.updateIdMgrSupportedEntityType([-name PersonAccount -defaultParent o=defaultWIMFileBasedRealm])
wsadmin>AdminConfig.save()
```

```
wsadmin>
wsadmin>AdminTask.updateIdMgrSupportedEntityType([-name Group -defaultParent o=defaultWIMFileBasedRealm])
'CWIM5027W The configuration is not complete. Saving an incomplete configuration can cause startup problems.'
wsadmin>AdminTask.updateIdMgrSupportedEntityType([-name OrgContainer -defaultParent o=defaultWIMFileBasedRealm])
'CWIM5027W The configuration is not complete. Saving an incomplete configuration can cause startup problems.'
wsadmin>AdminTask.updateIdMgrSupportedEntityType([-name PersonAccount -defaultParent o=defaultWIMFileBasedRealm])
'CWIM5027W The configuration is not complete. Saving an incomplete configuration can cause startup problems.'
wsadmin>AdminConfig.save()
''
wsadmin>
```

Run the commands shown on this slide to both update and save the file-based repository as the default parent.

## Verify the current default parent repository - CLI

Run these commands to get the currently configured default parent for the Group, OrgContainer and Personaccount:

```
wsadmin> AdminTask.getIdMgrSupportedEntityType('[-name Group]')
wsadmin> AdminTask.getIdMgrSupportedEntityType('[-name OrgContainer]')
wsadmin> AdminTask.getIdMgrSupportedEntityType('[-name PersonAccount]')
```

**Note:** These commands verify that the default parent is now set to file-based entry.

```
wsadmin>
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name Group]')
'{name=Group, defaultParent=o=defaultWIMFileBasedRealm, rdnProperties={cn}}'
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name OrgContainer]')
'{name=OrgContainer, defaultParent=o=defaultWIMFileBasedRealm, rdnProperties={o, ou, dc, cn}}'
wsadmin>AdminTask.getIdMgrSupportedEntityType('[-name PersonAccount]')
'{name=PersonAccount, defaultParent=o=defaultWIMFileBasedRealm, rdnProperties={uid}}'
wsadmin>
```

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After running the verify commands, you can quit the wsadmin scripting client.

## Restart the IBM Tivoli Integrated Portal - CLI

You must stop and restart the IBM Tivoli Integrated Portal server for the changes to take effect on the repository

```
[pstanto6@nc9053113208 bin]$ ./stopServer.sh server1 -username tipadmin -password tipadmin
ADMU0116I: Tool information is being logged in file
           /opt/pstanto6/IBM/tivoli/tipv2/profiles/TIPProfile/logs/server1/stopServer.log
ADMU0128I: Starting tool with the TIPProfile profile
ADMU3100I: Reading configuration for server: server1
ADMU3201I: Server stop request issued. Waiting for stop status.
ADMU4000I: Server server1 stop completed.

[pstanto6@nc9053113208 bin]$ ./startServer.sh server1
ADMU0116I: Tool information is being logged in file
           /opt/pstanto6/IBM/tivoli/tipv2/profiles/TIPProfile/logs/server1/startServer.log
ADMU0128I: Starting tool with the TIPProfile profile
ADMU3100I: Reading configuration for server: server1
ADMU3200I: Server launched. Waiting for initialization status.
ADMU3000I: Server server1 open for e-business; process id is 18668
```

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Stop and restart the IBM Tivoli Integrated Portal server. This restart allows the changes to the default repository to take effect.



## Summary

Now that you have completed this module, you can accomplish these tasks:

- Describe the default parent repository source and its significance
- Verify the currently configured default parent repository source through both the GUI and the CLI
- Update the default parent to the file-based repository source through both the GUI and the CLI

Now that you have completed this module, you can accomplish these tasks:

- Describe the default parent repository source and its significance
- Verify the currently configured default parent repository source through both the GUI and the CLI
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