

Exercise 9 – Federating a Cell

At the end of the lab, you should be able to:

- Create a deployment manager profile
- Back up the deployment manager configuration
- Use the deployment manager administrative console
- Federate a node into the deployment manager cell
- Create a custom profile
- Create an unmanaged web server node
- Use the administrative console to start and stop a web server
- Map an application to a web server

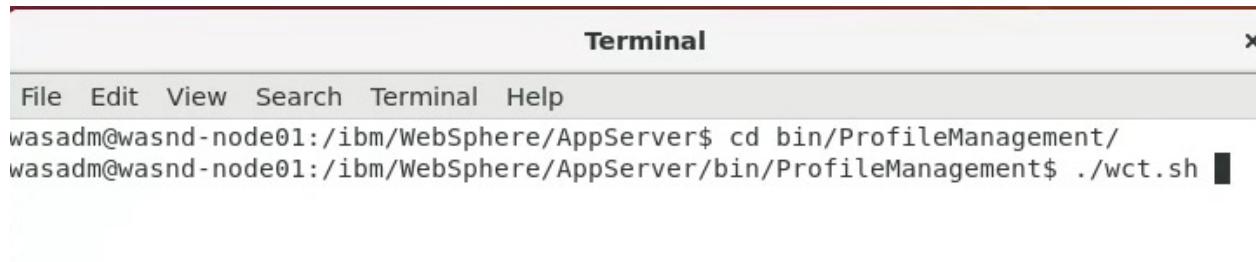
During this exercise, you change your stand-alone application server environment to a cell environment that contains two federated nodes and an unmanaged node for a web server. It is important as you progress through the exercise that you have a good understanding of what you are creating.

When you complete the exercise, you have a cell, named was85hostCell01, containing the following nodes:

- Deployment manager node, named was85hostCellManager01
- A federated node, named was85hostNode01, containing a node agent and an application server, named server1
- A federated node, named was85hostNode02, containing only a node agent
- An unmanaged node, named ihsnode, containing an IBM HTTP Server administrative process and a web server, named webserver1

Section 1: Use the Profile Management Tool to create a deployment manager profile

During this section of the exercise, you use the Profile Management Tool to create a deployment management profile. The deployment manager profile defines a cell, named was85hostCell01, containing a deployment manager node, named was85hostCellManager01. The existing application server, server1, continues to be a stand-alone server that is contained in the node was85hostNode01.



The image shows a terminal window titled "Terminal". The window has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The main area of the terminal shows the following command-line session:

```
wasadm@wasnd-node01:/ibm/WebSphere/AppServer$ cd bin/ProfileManagement/
wasadm@wasnd-node01:/ibm/WebSphere/AppServer/bin/ProfileManagement$ ./wct.sh
```

WebSphere Customization Toolbox 8.5

File Window Help

Profile Management Tool Welcome

Profiles

Profile name	Environment	Profile path
profile1	Application server	/ibm/profiles/profile1

Create...
Augment...

Profile Management Tool 8.5

Environment Selection

Select a specific type of environment to create.

Environments:

- WebSphere Application Server
 - Cell (deployment manager and a federated application server)
 - Management**
 - Application server
 - Custom profile
 - Secure proxy (configuration-only)

Description

A management profile provides the server and services for managing multiple application server environments. The administrative agent manages application servers on the same machine. The Network Deployment edition also includes a deployment manager for tightly coupled management and a job manager for loosely coupled management of topologies distributed over multiple machines.

Profile Management Tool 8.5

Server Type Selection



Select the type of server to be created within this management profile

Administrative agent

An administrative agent provides management capability for multiple stand-alone application servers. An administrative agent can manage only the application servers that exist within the same installation on one machine.

Deployment manager

A deployment manager provides management capability for multiple federated nodes. A deployment manager can manage nodes that span multiple systems and platforms. The nodes that are managed by a deployment manager can only be managed by a single deployment manager and must be federated to the cell of that deployment manager.

Job manager

A job manager provides management capability for multiple stand-alone application servers, administrative agents, and deployment managers. The job manager can manage nodes that span multiple systems and platforms. The nodes that are managed by one job manager also can be managed by other job managers.

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Profile Creation Options



Choose the profile creation process that meets your needs. Pick the Typical option to allow the Profile Management Tool to assign a set of default configuration values to the profile. Pick the Advanced option to specify your own configuration values for the profile.

Typical profile creation

Create a deployment manager profile that uses default configuration settings. The Profile Management Tool assigns unique names to the profile, node, host, and cell. The tool also assigns unique port values. The administrative console will be installed and you can optionally select whether to enable administrative security. The tool might create a system service to run the deployment manager depending on the operating system of your machine and the privileges assigned to your user account.

Note: Default personal certificates expire in one year. Select Advanced profile creation to create a personal certificate with a different expiration.

Advanced profile creation

Create a deployment manager using default configuration settings or specify your own values for settings such as the location of the profile and names of the profile, node, host, and cell. You can assign your own port values. You can optionally choose whether to deploy the administrative console. You might have the option to run the deployment manager as a system service depending on the operating system of your machine and the privileges assigned to your user account.

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Cancel

Finish

Profile Management Tool 8.5

Optional Application Deployment



Select the applications to deploy to the WebSphere Application Server environment being created.

Deploy the administrative console (recommended).

Install a Web-based administrative console that manages the application server. Deploying the administrative console is recommended, but if you deselect this option, the information center contains detailed steps for deploying it after the profile exists.

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Cancel

Finish

Profile Management Tool 8.5

Profile Name and Location

Specify a profile name and directory path to contain the files for the run-time environment, such as command configuration files, and log files. Click **Browse** to select a different directory.

Profile name:

Dmgr

Profile directory:

/ibm/profiles/Dmgr

Make this profile the default.

Each installation of WebSphere Application Server always has one default profile. Commands that run with referring to a specific profile use the default profile. Select this option to make this profile the new default

Important: Deleting the directory a profile is in does not completely delete the profile. Use the **manageprofile** command to completely delete a profile.

The following naming rules must be used:

- Names must start and end with alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only.
- Names may contain alphabetic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores
- Names must not contain spaces or these characters: / \ * , : ; = + ? | < > _ % ' " [] # \$ ^ { } ()

Profile Management Tool 8.5

Node, Host, and Cell Names



Specify a node name, a host name, and a cell name for this profile.

Node name:

wasnd-node01CellManager01

Host name:

wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal

Cell name:

wasnd-node01Cell01

Node name: A node name is for administration by the deployment manager. The name must be unique within

Host name: A host name is the domain name system (DNS) name (short or long) or the IP address of this co

Cell name: A cell name is a logical name for the group of nodes administered by this deployment manager.

The following naming rules must be used:

- Names must start and end with alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only.
- Names may contain alphabetic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores
- Names must not contain spaces or these characters: / \ * , : ; = + ? | < > _ % ' " [] # \$ ^ { } ()

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Next >

Cancel

Finish

Profile Management Tool 8.5

Administrative Security



Choose whether to enable administrative security. To enable security, supply a user name and password for logging into administrative tools. This administrative user is created in a repository within the application server. After profile creation finishes, you can add more users, groups, or external repositories.

Enable administrative security

User name:

wasadmin

Password:

••••••••••

Confirm password:

••••••••••

See the information center for more information about administrative security.

[View the online information center](#)

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Next >

Cancel

Finish

Profile Management Tool 8.5

Security Certificate (Part 1)



Choose whether to create a default personal certificate and root signing certificate, or import them from keystores. To create new certificates, proceed to Part 2 and provide the certificate information. To import existing certificates from keystores, locate the certificates then proceed to Part 2 and verify the certificate information.

- Create a new default personal certificate.
- Import an existing default personal certificate.

Default personal certificate

Path:	<input type="text"/>	<input type="button" value="Browse..."/>
Password:	<input type="text"/>	
Keystore type:	<input type="text"/>	
Keystore alias:	<input type="text"/>	

- Create a new root signing certificate.
- Import an existing root signing certificate.

Root signing certificate

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Cancel

Finish

Profile Management Tool 8.5

Security Certificate (Part 2)



Modify the certificate information to create new certificates during profile creation. If you are importing existing certificates, click [Import](#) to check whether the selected certificates contain the appropriate information. If the selected certificates do not, click [Edit](#) to modify the certificate information.

[Restore Defaults](#)

Default personal certificate (a personal certificate for this profile, public and private key):

Issued to distinguished name:

`cn=wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal,ou=wasnd-node01Cell01,ou=wasnd-node01,ou=wasnd,ou=certs,ou=internal,dc=ibm,dc=com`

Issued by distinguished name:

`cn=wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal,ou=Root Certificate,ou=wasnd-node01,ou=wasnd,ou=certs,ou=internal,dc=ibm,dc=com`

Expiration period in years:

1 A dropdown menu with the number 1 and a downward arrow.

Root signing certificate (personal certificate for signing other certificates, public and private key):

Expiration period in years:

15 A dropdown menu with the number 15 and a downward arrow.

[< Back](#)

[Next >](#)

[Cancel](#)

[Finish](#)

Profile Management Tool 8.5

Port Values Assignment



The values in the following fields define the ports for the deployment manager and do not conflict with other profiles in this installation. Another installation of WebSphere Application Server or other programs might use the same ports. To avoid run-time port conflicts, verify that each port value is unique.

Default Port Values

Recommended Port Values

Administrative console port (Default 9060):

9061

Administrative console secure port (Default 9043):

9044

Bootstrap port (Default 9809):

9809

SOAP connector port (Default 8879):

8879

Administrative interprocess communication port (Default 9632)(X):

9632

SAS SSL ServerAuth port (Default 9401):

9405

CSIV2 ServerAuth listener port (Default 9403):

9404

CSIV2 MultiAuth listener port (Default 9402):

9406

ORB listener port (Default 9100):

9101

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Next >

Cancel

Finish

Profile Management Tool 8.5

Profile Creation Summary



Review the information in the summary for correctness. If the information is correct, click **Create** to start creating a new profile. Click **Back** to change values on the previous panels.

Application server environment to create: Management

Server type: Deployment manager

Location: /ibm/profiles/Dmgr

Disk space required: 30 MB

Profile name: Dmgr

Make this profile the default: False

Cell name: wasnd-node01Cell01

Node name: wasnd-node01CellManager01

Host name: wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal

Deploy the administrative console (recommended): True

Enable administrative security (recommended): True

Administrative console port: 9061

< Back

Create

Cancel

Finish

Profile Management Tool 8.5

x

Profile Creation Progress



Running configuration command: importConfigArchive_Management

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Profile Creation Complete



The Profile Management Tool created the profile successfully.

The next step in creating a Network Deployment environment is to start the deployment manager so that nodes can be federated into its cell. After the deployment manager is started, you can administer the nodes that belong to the cell.

You can start and stop the deployment manager from the command line or the First steps console. The First steps console also has links to an installation verification test and other information and features that relate to the deployment manager.

[Launch the First steps console.](#)

To start the Profile Management Tool later, use the **PMT** command in the *app_server_root/bin/ProfileManagement* directory or the option in the First steps console.

[< Back](#) [Next >](#) [Cancel](#) [Finish](#)

First steps

Installation verification

Confirm that your server is installed and that it can start properly.

Start the deployment manager

Start the deployment manager and its applications.

Administrative console

Install and administer applications.

WebSphere Customization Toolbox

Launch this toolbox to access the Profile Management Tool and work with profiles, or to access the Migration Management Tool and migrate WebSphere Application Server 6.0, 6.1, 7.0 or 8.0 profiles to version 8.5.

Information center for WebSphere Application Server

Learn more about WebSphere Application Server and explore sample applications.

IBM Education Assistant for WebSphere software

Access multimedia content for WebSphere Application Server version 8.5 and other IBM software products.

Exit

First steps output - Installation verification

```

Server name is:dmgr
Profile name is:Dmgr
Profile home is:/ibm/profiles/Dmgr
Profile type is:management
Cell name is:wasnd-node01Cell01
Node name is:wasnd-node01CellManager01
Current encoding is:UTF-8
Start running the following command:/ibm/profiles/Dmgr/bin/startServer.sh dmgr -profileName Dmgr
>ADMU0116I: Tool information is being logged in file
>          /ibm/profiles/Dmgr/logs/dmgr/startServer.log
>ADMU0128I: Starting tool with the Dmgr profile
>ADMU3100I: Reading configuration for server: dmgr
>ADMU3200I: Server launched. Waiting for initialization status.
>ADMU3000I: Server dmgr open for e-business; process id is 12501
Server port number is:9061
VTL0010I: Connecting to the wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal WebSphere Application Server on port: 906
VTL0015I: WebSphere Application Server wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal is running on port: 9061 for prc
VTL0035I: The Installation Verification Tool is scanning the /ibm/profiles/Dmgr/logs/dmgr/SystemOut.log file for errors and warnings.
[3/3/22 19:37:08:535 UTC] 00000001 WSKeyStore W CWPKI0041W: One or more key stores are using the default password.
[3/3/22 19:37:08:547 UTC] 00000001 SSLConfigMana W CWPKI0317W: The runtime has at least one SSL configuration that supports only we
[3/3/22 19:37:08:548 UTC] 00000001 SSLConfigMana W CWPKI0318W: The runtime has at least one SSL configuration that is enabled with $
[3/3/22 19:37:30:984 UTC] 00000075 AuthConfigFac W SECJ8032W: AuthConfigFactory implementation is not defined, using the default JAS
VTL0040I: 4 errors/warnings are detected in the /ibm/profiles/Dmgr/logs/dmgr/SystemOut.log file
VTL0070I: The Installation Verification Tool verification succeeded.
VTL0080I: The installation verification is complete.

```

WebSphere Customization Toolbox 8.5

File Window Help

Profile Management Tool Welcome

Profiles

Profile name	Environment	Profile path	
Dmgr profile1	Management Application server	/ibm/profiles/Dmgr /ibm/profiles/profile1	Create... Augment...

Section 2: Back up the Dmgr profile configuration

Before continuing, it is a good practice to back up the configuration for the Dmgr profile that was created.

Terminal

```
File Edit View Search Terminal Help
wasadm@wasnd-node01:/ibm/profiles/Dmgr/bin$ ./serverStatus.sh -all
ADMU0116I: Tool information is being logged in file
            /ibm/profiles/Dmgr/logs/serverStatus.log
ADMU0128I: Starting tool with the Dmgr profile
ADMU0503I: Retrieving server status for all servers
ADMU0505I: Servers found in configuration:
ADMU0506I: Server name: dmgr
ADMU0508I: The Deployment Manager "dmgr" is STARTED
wasadm@wasnd-node01:/ibm/profiles/Dmgr/bin$ ./stopManager.sh
ADMU0116I: Tool information is being logged in file
            /ibm/profiles/Dmgr/logs/dmgr/stopServer.log
ADMU0128I: Starting tool with the Dmgr profile
ADMU3100I: Reading configuration for server: dmgr
ADMU3201I: Server stop request issued. Waiting for stop status.
ADMU4000I: Server dmgr stop completed.

wasadm@wasnd-node01:/ibm/profiles/Dmgr/bin$
```

Terminal

```
File Edit View Search Terminal Help
wasadm@wasnd-node01:/ibm/profiles/Dmgr/bin$ ./manageprofiles.sh -backupProfile -
profileName Dmgr -backupFile /ibm/backups/Dmgr_initial_backup.zip
INSTCONFSUCCESS: Success: The profile backup operation was successful.
wasadm@wasnd-node01:/ibm/profiles/Dmgr/bin$
```

Terminal

```
File Edit View Search Terminal Help
wasadm@wasnd-node01:/ibm/profiles/profile1/bin$ ./stopServer.sh server1 -username
wasadmin -password websphere
ADMU0116I: Tool information is being logged in file
            /ibm/profiles/profile1/logs/server1/stopServer.log
ADMU0128I: Starting tool with the profile1 profile
ADMU3100I: Reading configuration for server: server1
ADMU3201I: Server stop request issued. Waiting for stop status.
ADMU4000I: Server server1 stop completed.

wasadm@wasnd-node01:/ibm/profiles/profile1/bin$ ./manageprofiles.sh -backupProfile -
profileName profile1 -backupFile /ibm/backups/Profile1_prefederation.zip
The following validation errors were present with the command line arguments:
    backupFile: Action can not be executed while server is running
wasadm@wasnd-node01:/ibm/profiles/profile1/bin$
```

Terminal

```
File Edit View Search Terminal Help
wasadm@wasnd-node01:/ibm/profiles/Dmgr/bin$ ./startManager.sh
ADMU0116I: Tool information is being logged in file
            /ibm/profiles/Dmgr/logs/dmgr/startServer.log
ADMU0128I: Starting tool with the Dmgr profile
ADMU3100I: Reading configuration for server: dmgr
ADMU3200I: Server launched. Waiting for initialization status.
ADMU3000I: Server dmgr open for e-business; process id is 15308
wasadm@wasnd-node01:/ibm/profiles/Dmgr/bin$ █
```

Section 3: Federate profile1 into the cell of the deployment manager

During this section of the exercise, you federate the application server node, which profile1 defines (and is named was85hostNode01), into the cell named was85hostCell01, which the deployment manager profile defines. The federation process adds a node agent to the application server node.

Terminal

```
File Edit View Search Terminal Help
wasadm@wasnd-node01:/ibm/profiles/profile1$ cd bin/
wasadm@wasnd-node01:/ibm/profiles/profile1/bin$ ./serverStatus.sh server1 -username wasadmin -password web1sphere
ADMU0116I: Tool information is being logged in file
            /ibm/profiles/profile1/logs/server1/serverStatus.log
ADMU0128I: Starting tool with the profile1 profile
ADMU0500I: Retrieving server status for server1
ADMU0509I: The Application Server "server1" cannot be reached. It appears to be stopped.
wasadm@wasnd-node01:/ibm/profiles/profile1/bin$ ./startServer.sh server1
ADMU0116I: Tool information is being logged in file
            /ibm/profiles/profile1/logs/server1/startServer.log
ADMU0128I: Starting tool with the profile1 profile
ADMU3100I: Reading configuration for server: server1
ADMU3200I: Server launched. Waiting for initialization status.
ADMU3000I: Server server1 open for e-business; process id is 15722
wasadm@wasnd-node01:/ibm/profiles/profile1/bin$
```

WebSphere Integrated x +

https://localhost:9044/ibm/console/login.do?action=secure

Welcome wasadmin

WebSphere software

View: All tasks

Nodes

Cell=wasnd-node01Cell01, Profile=Dmgr

Nodes

Use this page to manage nodes in the application server environment. A node corresponds to a physical computer system with a distinct IP host address. The following table lists the managed and unmanaged nodes in this cell. The first node is the deployment manager. Add new nodes to the cell and to this list by clicking Add Node.

Preferences

Add Node Remove Node Force Delete Synchronize Full Resynchronize Stop

Select Name Host Name Version Discovery Protocol Status

You can administer the following resources:

wasnd-node01CellManager01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	TCP	
---------------------------	---	-------------	-----	--

Total 1

Nodes Close

Add Node

Use this page to add either a managed or an unmanaged node.

Managed node
 Specifies the creation of a managed node. A managed node contains an application server process that runs within the deployment manager cell. The managed node is associated with a node agent process that maintains the configuration for the node and controls its operation. Choosing this option results in running the add node utility to federate an existing stand-alone application server.

Unmanaged node
 Specifies the creation of an unmanaged node. An unmanaged node represents a node in the topology that does not have an application server process or a node agent process. Unmanaged nodes are for other server processes, such as web servers that exist on their own node in the topology.

Recover an existing node
 Specifies to replace a damaged node in the cell. First, create a new profile to replace the damaged node and give it the same profile and node names. Then use this option to replace the damaged node in the cell with the new node.

Next Cancel

Nodes

Add Managed Node

Use this page to identify a stand-alone application server process that is running. Start the application server, if necessary, or add the node from the command line by running the addNode command from the bin directory of the stopped application server profile.

Node connection

* Host
ist3-c.c.enhanced-casing-342608.internal

* JMX connector type
SOAP

* JMX connector port
8880

Application server user name
wasadmin

Application server password

* Deployment manager user name
wasadmin

* Deployment manager password

Config URL
file:\${USER_INSTALL_ROOT}/properties/sas.client.props

Options

- Include applications
- Include b_{uses}

Adding node

ADMU0001I: Begin federation of node wasnd-node01Node01 with Deployment Manager at wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal:8879.

ADMU0009I: Successfully connected to Deployment Manager Server: wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal:8879

ADMU0505I: Servers found in configuration:

ADMU0506I: Server name: webserver1

ADMU0506I: Server name: server1

ADMU2010I: Stopping all server processes for node wasnd-node01Node01

ADMU0510I: Server server1 is now STOPPED



Please Wait...

ADMU0024I: Deleting the old backup dir

ADMU0015I: Backing up the original cell

ADMU0012I: Creating Node Agent configuration for node: wasnd-node01Node01

ADMU0120I: isclite.ear will not be uploaded since it already exists in the target repository.

ADMU0120I: WebSphereWSDM.ear will not be uploaded since it already exists in the target repository.

ADMU0014I: Adding node wasnd-node01Node01 configuration to cell: wasnd-node01Cell01

ADMU0120I: isclite on CU will not be uploaded since it already exists in the target repository.

ADMU0120I: WebSphereWSDM on CU will not be uploaded since it already exists in the target repository.

ADMU0120I: isclite on BLA will not be uploaded since it already exists in the target repository.

ADMU0120I: WebSphereWSDM on BLA will not be uploaded since it already exists in the target repository.

ADMU0510I: Server server1 is now STOPPED

ADMU0024I: Deleting the old backup directory.

ADMU0015I: Backing up the original cell repository.

ADMU0012I: Creating Node Agent configuration for node: wasnd-node01Node01

ADMU0120I: isclite.ear will not be uploaded since it already exists in the target repository.

ADMU0120I: WebSphereWSDM.ear will not be uploaded since it already exists in the target repository.

ADMU0014I: Adding node wasnd-node01Node01 configuration to cell: wasnd-node01Cell01

ADMU0120I: isclite on CU will not be uploaded since it already exists in the target repository.

ADMU0120I: WebSphereWSDM on CU will not be uploaded since it already exists in the target repository.

ADMU0120I: isclite on BLA will not be uploaded since it already exists in the target repository.

ADMU0120I: WebSphereWSDM on BLA will not be uploaded since it already exists in the target repository.

ADMU0016I: Synchronizing configuration between node and cell.

ADMU0018I: Launching Node Agent process for node: wasnd-node01Node01

ADMU0020I: Reading configuration for Node Agent process: nodeagent

ADMU0022I: Node Agent launched. Waiting for initialization status.

ADMU0030I: Node Agent initialization completed successfully. Process id is: 16593

ADMU0308I: The node wasnd-node01Node01 and associated applications were successfully added to the wasnd-node01Cell01 cell.

ADMU0306I: Note:

ADMU0302I: Any cell-level documents from the standalone wasnd-node01Cell01 configuration have not been migrated to the new cell.

ADMU0307I: You might want to:

ADMU0303I: Update the configuration on the wasnd-node01Cell01 Deployment Manager with values from the old cell-level documents.

ADMU0031I: Node wasnd-node01Node01 has been successfully federated.

[View the available nodes.](#)

← → ⌂ https://localhost:9044/ibm/console/login.do?action=secure

Welcome wasadmin

Cell=wasnd-node01Cell01, Profile=Dmgr

Nodes

Messages

Your workspace has been auto-refreshed from the master configuration. You can disable auto-refresh in your user preferences.

Nodes

Use this page to manage nodes in the application server environment. A node corresponds to a physical computer system with a distinct IP host address. The following table lists the managed and unmanaged nodes in this cell. The first node is the deployment manager. Add new nodes to the cell and to this list by clicking Add Node.

Preferences

Add Node Remove Node Force Delete Synchronize Full Resynchronize Stop

Select Name Host Name Version Discovery Protocol Status

You can administer the following resources:

Select	Name	Host Name	Version	Discovery Protocol	Status
<input checked="" type="checkbox"/>	wasnd-node01CellManager01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.20	TCP	
<input type="checkbox"/>	wasnd-node01Node01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.20	TCP	

Total 2

WebSphere Integrated x +

https://localhost:9044/ibm/console/login.do?action=secure

Welcome wasadmin

View: All tasks

- >Welcome
- Guided Activities
- Servers
- Applications
- Jobs
- Services
- Resources
- Runtime Operations
- Security
- Operational policies
- Environment
- System administration
 - Cell
 - Job manager
 - Extended Repository Service
 - Save changes to master repository
 - Deployment manager
 - Nodes
 - Middleware nodes
 - Node agents
 - Middleware descriptors
 - Node groups

Cell=wasnd-node01Cell01, Profile=Dmgr

Node agents

Node agents

Use this page to manage node agents and application servers on the node that a node agent manages. The node agent process serves as an intermediary between the application servers on the node and the deployment manager. The node agent process runs on every node and is specialized to perform node-specific administration functions, such as server process monitoring, configuration synchronization, file transfer, and request routing.

Preferences

Stop | Restart | Restart all Servers on Node

Select | Name | Node | Host Name | Version | Status

You can administer the following resources:

<input type="checkbox"/> nodeagent	wasnd-node01Node01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	
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Total 1

https://localhost:9044/ibm/console/login.do?action=secure

Welcome wasadmin

View: All tasks

- >Welcome
- Guided Activities
- Servers
 - New server
 - All servers
- Server Types
 - WebSphere application servers
 - Liberty profile servers
 - WebSphere proxy servers
 - On Demand Routers
 - PHP servers
 - WebSphere Application Server Community Edition servers
 - Generic servers
 - WebSphere MQ servers
 - Web servers
 - Apache Tomcat servers
 - BEA WebLogic servers
 - JBoss servers
 - External WebSphere Application Servers
 - Apache servers
 - Custom HTTP servers
- Clusters
- DataPower
- Core Groups
- Applications

Cell=wasnd-node01Cell01, Profile=Dmgr

Application servers

Messages

Server wasnd-node01Node01/server1 started successfully. The collection may need to be refreshed to show the current server status. [View JVM logs](#) for further details.

Application servers

Use this page to view a list of the application servers in your environment and the status of each of these servers. You can also use this page to change the status of a specific application server.

Preferences

New... | Delete | Templates... | Start | Stop | Restart | ImmediateStop | Terminate

Select | Name | Node | Host Name | Version | Cluster Name | Status

You can administer the following resources:

<input type="checkbox"/> server1	wasnd-node01Node01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	
----------------------------------	--------------------	---	-------------	--

Total 1

Cell=wasnd-node01Cell01, Profile=Dmgr

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

Start **Stop** **Install** **Uninstall** **Update** **Rollout Update** **Remove File** **Export** **Export DDL** **Export File** **Analyze**

Select	Name	Application Status	Liberty Report
<input type="checkbox"/>	DefaultApplication		
<input type="checkbox"/>	ivtApp		
<input type="checkbox"/>	pbw-ear		
<input type="checkbox"/>	query		

Total 4

WebSphere Integrated x Snoop Servlet x +

https://wasnd-node01:9080/snoop

Snoop Servlet - Request/Client Information

Requested URL:

http://wasnd-node01:9080/snoop

Servlet Name:

Snoop Servlet

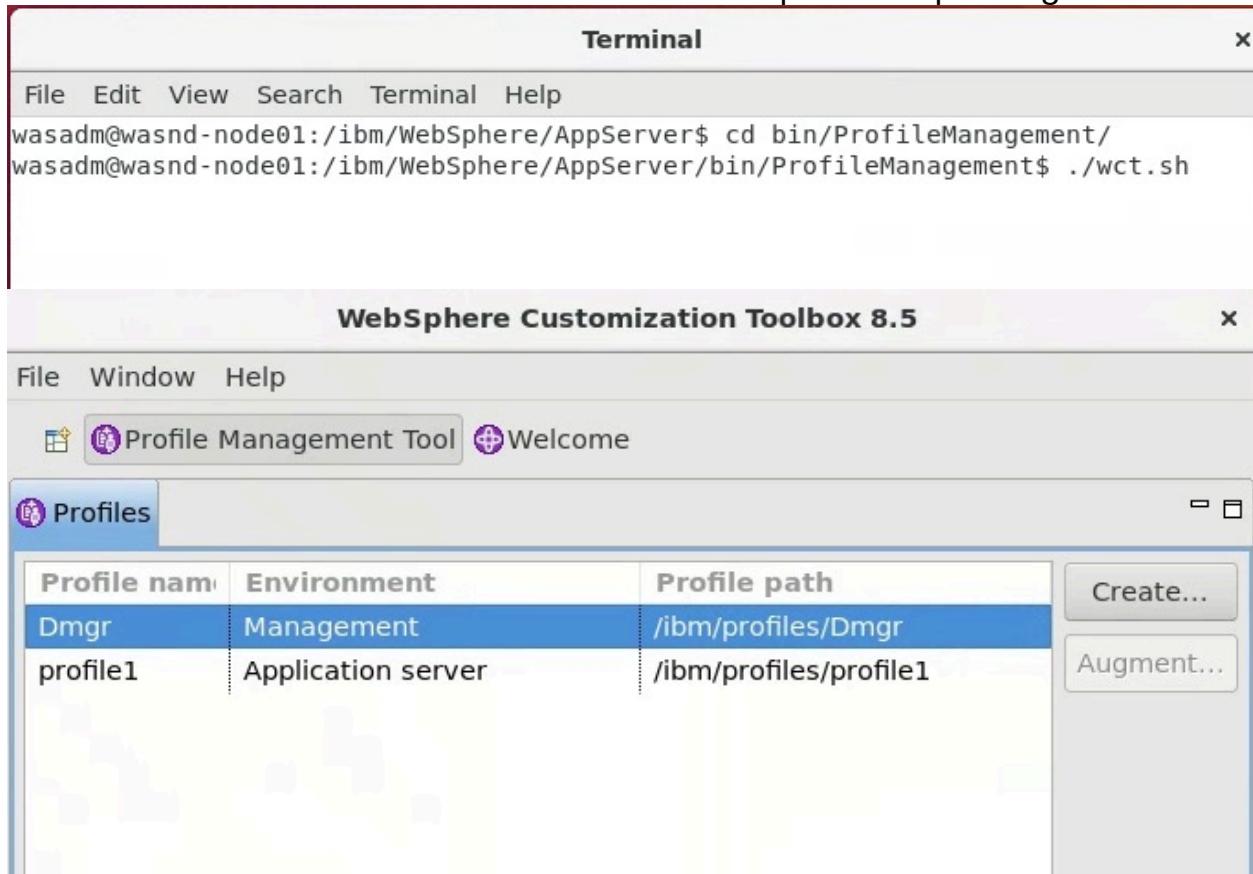
Request Information:

Request method	GET
Request URI	/snoop
Request protocol	HTTP/1.1
Servlet path	/snoop
Path info	

Section 4: Create a custom profile and federate it into the deployment manager cell

During this section of the exercise, you are going to create a custom profile, profile2, that defines a node, named was85hostNode02. The custom profile is automatically federated into the cell was85hostCell01.

A custom profile is useful because it does not create any application servers on the node; it creates the configuration and the node agent only. Consequently, no server1 is created on that node. This feature is helpful for expanding clusters.



The screenshot shows the WebSphere Customization Toolbox 8.5 interface. The main window is titled "WebSphere Customization Toolbox 8.5" and has a "Profiles" tab selected. The "Profile Management Tool" tab is active. The "Profiles" table lists two entries:

Profile name	Environment	Profile path
Dmgr	Management	/ibm/profiles/Dmgr
profile1	Application server	/ibm/profiles/profile1

On the right side of the table, there are "Create..." and "Augment..." buttons. Above the table, a terminal window titled "Terminal" is open, showing the command line:

```
File Edit View Search Terminal Help  
wasadm@wasnd-node01:/ibm/WebSphere/AppServer$ cd bin/ProfileManagement/  
wasadm@wasnd-node01:/ibm/WebSphere/bin/ProfileManagement$ ./wct.sh
```

Profile Management Tool 8.5

Environment Selection



Select a specific type of environment to create.

Environments:

- ▼ WebSphere Application Server
 - Cell (deployment manager and a federated application server)
 - Management
 - Application server
 - Custom profile**
 - Secure proxy (configuration-only)

Description—

A custom profile contains an empty node, which does not contain an administrative console or servers. The typical use for a custom profile is to federate its node to a deployment manager. After federating the node, use the deployment manager to create a server or a cluster of servers within the node.

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Profile Creation Options



Choose the profile creation process that meets your needs. Pick the Typical option to allow the Profile Management Tool to assign a set of default configuration values to the profile. Pick the Advanced option to specify your own configuration values for the profile.

Typical profile creation

Create a custom profile that uses default configuration settings. The Profile Management Tool assigns unique names to the profile, node, and host. You can specify whether to federate the node to an existing deployment manager or federate the node later.

Note: Default personal certificates expire in one year. Select Advanced profile creation to create a personal certificate with a different expiration.

Advanced profile creation

Create a custom profile using default configuration settings or specify your own values for setting such as the location of the profile and names of the profile, node, and host. You can specify whether to federate the node to an existing deployment manager or federate the node later.

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Profile Name and Location

Specify a profile name and directory path to contain the files for the run-time environment, such as command configuration files, and log files. Click **Browse** to select a different directory.

Profile name:

profile2

Profile directory:

/ibm/profiles/profile2

Make this profile the default.

Each installation of WebSphere Application Server always has one default profile. Commands that run with referring to a specific profile use the default profile. Select this option to make this profile the new default

Important: Deleting the directory a profile is in does not completely delete the profile. Use the **manageprofile** command to completely delete a profile.

The following naming rules must be used:

- Names must start and end with alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only.
- Names may contain alphabetic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores
- Names must not contain spaces or these characters: / \ * , : ; = + ? | < > _ % ' " [] # \$ ^ { } ()

< Back Next > Cancel Finish

Profile Management Tool 8.5

x

Node and Host Names



Specify a node name and a host name for this profile.

Node name:

wasnd-node01Node02

Host name:

wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal

Node name: A node name is used for administration. If the node is federated, the name must be unique within

Host name: A host name is the domain name system (DNS) name (short or long) or the IP address of this com

The following naming rules must be used:

- Names must start and end with alphabetic characters (A-Z, a-z), numbers (0-9), and underscores (_) only.
- Names may contain alphabetic characters (A-Z, a-z), numbers (0-9), periods (.), dashes (-) and underscores (_)
- Names must not contain spaces or these characters: / \ * , : ; = + ? | < > _ % ' " [] # \$ ^ { } ()

If you plan to migrate an existing profile to the profile being created, read the premigration considerations articl

[View the online information center](#)

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Federation



Specify the host name or IP address and the SOAP port number for an existing deployment manager. Federation can occur only if the deployment manager is running.

Deployment manager host name or IP address:

wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal

Deployment manager SOAP port number (Default 8879):

8879

Deployment manager authentication

Provide a user name and password that can be authenticated, if administrative security is enabled on the deployment manager.

User name:

wasadmin

Password:

••••••••••••

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Security Certificate (Part 1)



Choose whether to create a default personal certificate and root signing certificate, or import them from keystores. To create new certificates, proceed to Part 2 and provide the certificate information. To import existing certificates from keystores, locate the certificates then proceed to Part 2 and verify the certificate information.

- Create a new default personal certificate.
- Import an existing default personal certificate.

Default personal certificate

Path:

[Browse...](#)

Password:

Keystore type:

Keystore alias:

- Create a new root signing certificate.
- Import an existing root signing certificate.

Root signing certificate

[< Back](#)

[Next >](#)

[Cancel](#)

[Finish](#)

Profile Management Tool 8.5

Security Certificate (Part 2)



Modify the certificate information to create new certificates during profile creation. If you are importing existing certificates, verify whether the selected certificates contain the appropriate information. If the selected certificates do not

[Restore Defaults](#)

Default personal certificate (a personal certificate for this profile, public and private key):

Issued to distinguished name:

`cn=wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal,ou=wasnd-node01Node01Cell,ou=`

Issued by distinguished name:

`cn=wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal,ou=Root Certificate,ou=wasnd-node01Cell,ou=`

Expiration period in years:

1 ▾

Root signing certificate (personal certificate for signing other certificates, public and private key):

Expiration period in years:

15 ▾

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Port Values Assignment



The values in the following fields define the ports for the node agent and do not conflict with other profiles in this installation. Another installation of WebSphere Application Server or other programs might use the same ports. To avoid run-time port conflicts, verify that each port value is unique.

[Default Port Values](#)

[Recommended Port Values](#)

Bootstrap port (Default 2810):

2810

SOAP connector port (Default 8878):

8881

Node agent interprocess communication port (Default 9626) (X):

9626

SAS SSL ServerAuth port (Default 9901):

9902

CSIV2 ServerAuth listener port (Default 9201):

9203

CSIV2 MultiAuth listener port (Default 9202):

9204

ORB listener port (Default 9101):

9102

Node discovery port (Default 7272):

7273

Node multicast discovery port (Default 5000):

5003

< Back

Next >

Cancel

Finish

Profile Management Tool 8.5

Profile Creation Summary



Review the information in the summary for correctness. If the information is correct, click **Create** to start creating a new profile. Click **Back** to change values on the previous panels.

Application server environment to create: Custom profile

Location: /ibm/profiles/profile2

Disk space required: 10 MB

Profile name: profile2

Make this profile the default: False

Node name: wasnd-node01Node02

Host name: wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal

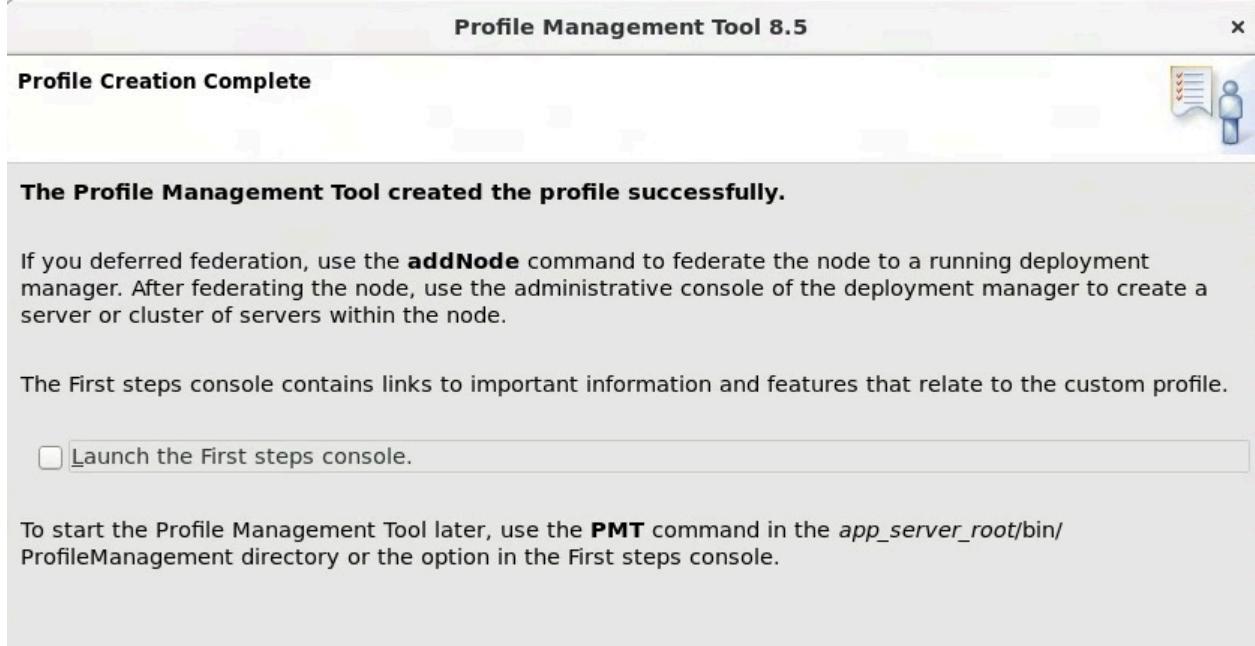
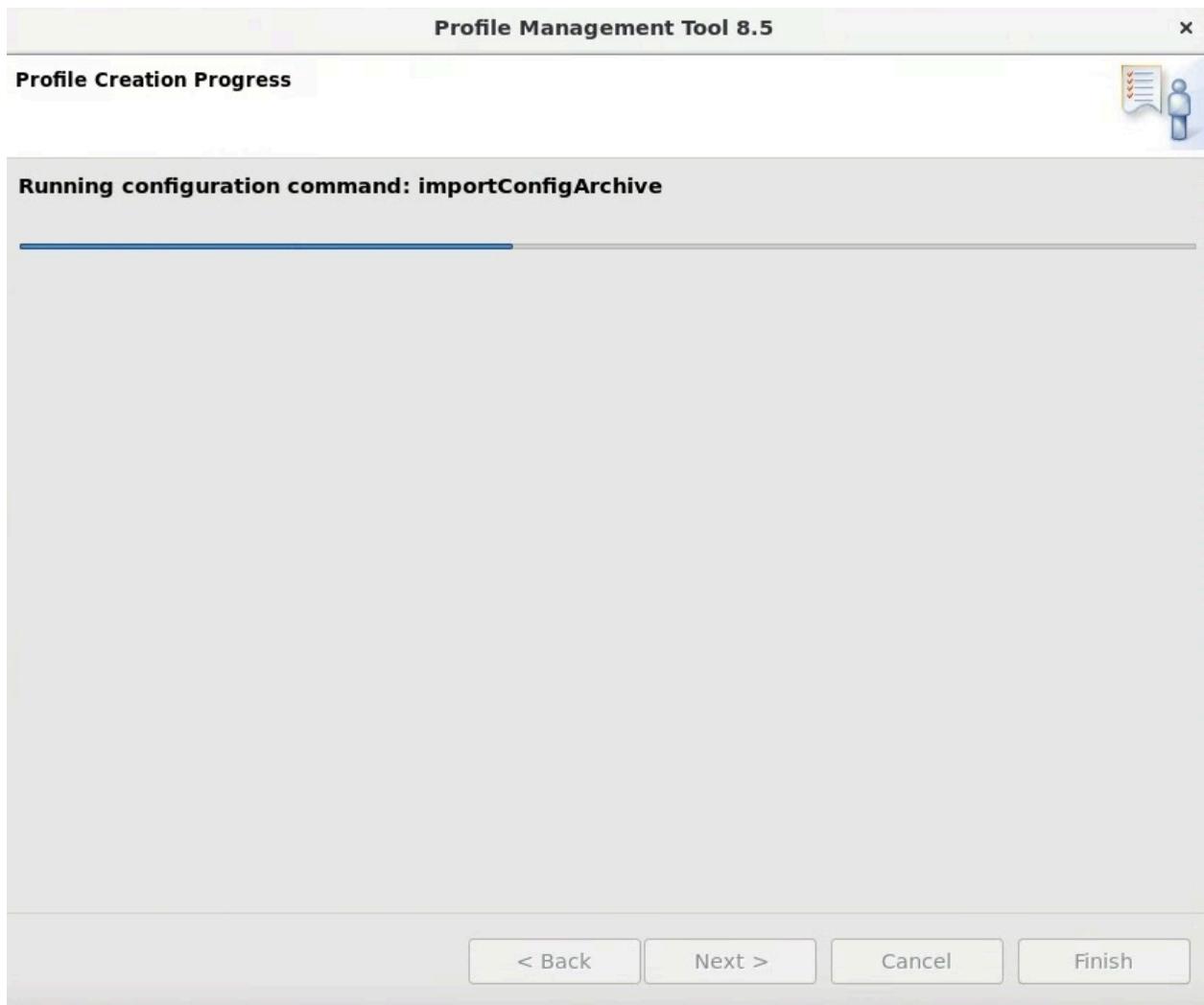
Federate to deployment manager: wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal:8879

< Back

Create

Cancel

Finish





WebSphere software

Welcome wasadmin

View: All tasks

Nodes

Nodes

Use this page to manage nodes in the application server environment. A node corresponds to a physical computer system with a distinct IP host address. The following table lists the managed and unmanaged nodes in this cell. The first node is the deployment manager. Add new nodes to the cell and to this list by clicking Add Node.

Add Node Remove Node Force Delete Synchronize Full Resynchronize Stop

Select	Name	Host Name	Version	Discovery Protocol	Status
<input checked="" type="checkbox"/>	wasnd-node01CellManager01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	TCP	
<input type="checkbox"/>	wasnd-node01Node01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	TCP	
<input type="checkbox"/>	wasnd-node01Node02	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	TCP	

Total 3

```

wasadm@wasnd-node01:/ibm/profiles/profile2$ cd bin
wasadm@wasnd-node01:/ibm/profiles/profile2/bin$ ./startNode.sh
ADMU0116I: Tool information is being logged in file
          /ibm/profiles/profile2/logs/nodeagent/startServer.log
ADMU0128I: Starting tool with the profile2 profile
ADMU3100I: Reading configuration for server: nodeagent
ADMU3200I: Server launched. Waiting for initialization status.
ADMU3000I: Server nodeagent open for e-business; process id is 19532
wasadm@wasnd-node01:/ibm/profiles/profile2/bin$ █

```

Node agents

Node agents

Use this page to manage node agents and application servers on the node that a node agent manages. The node agent process serves as an intermediary between the application servers on the node and the deployment manager. The node agent process runs on every node and is specialized to perform node-specific administration functions, such as server process monitoring, configuration synchronization, file transfer, and request routing.

Preferences

Stop **Restart** **Restart all Servers on Node**

Select	Name	Node	Host Name	Version	Status
<input type="checkbox"/>	nodeagent	wasnd-node01Node02	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	
<input type="checkbox"/>	nodeagent	wasnd-node01Node01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	

Total 2

Section 5: Add the IBM HTTP Server to the cell

During this section of the exercise, you add an unmanaged node, ihsnode, to the cell was85hostCell01. You also add a web server, webserver1, to the unmanaged node. Information about the web server is communicated to the deployment manager through the IBM HTTP Server administrative process. Create a node and add the web server to the node. When adding a node, you can create either a managed node or an unmanaged node. A managed node contains a WebSphere Application Server and a node agent. An unmanaged node does not have a node agent and is used for defining remote web servers in the topology.

Nodes Close page

Add Node

Use this page to add either a managed or an unmanaged node.

Managed node
Specifies the creation of a managed node. A managed node contains an application server process that runs within the deployment manager cell. The managed node is associated with a node agent process that maintains the configuration for the node and controls its operation. Choosing this option results in running the add node utility to federate an existing stand-alone application server.

Unmanaged node
Specifies the creation of an unmanaged node. An unmanaged node represents a node in the topology that does not have an application server process or a node agent process. Unmanaged nodes are for other server processes, such as web servers that exist on their own node in the topology.

Recover an existing node
Specifies to replace a damaged node in the cell. First, create a new profile to replace the damaged node and give it the same profile and node names. Then use this option to replace the damaged node in the cell with the new node.

Next **Cancel**

Nodes

Nodes > New...

Use this page to view or change the configuration for an unmanaged node. An unmanaged node is a node defined in the cell topology that does not have a node agent running to manage the process. Unmanaged nodes are typically used to manage web servers.

Configuration

General Properties

The additional properties will not be available until the general properties for this item are applied or saved.

* Name

* Host Name

* Platform Type

Additional Properties

- Custom Properties

Buttons: Apply | OK | Reset | Cancel

Cell=wasnd-node01Cell01, Profile=Dmgr

Nodes

Use this page to manage nodes in the application server environment. A node corresponds to a physical computer system with a distinct IP host address. The following table lists the managed and unmanaged nodes in this cell. The first node is the deployment manager. Add new nodes to the cell and to this list by clicking Add Node.

Preferences

Nodes					
<input type="button" value="Add Node"/> <input type="button" value="Remove Node"/> <input type="button" value="Force Delete"/> <input type="button" value="Synchronize"/> <input type="button" value="Full Resynchronize"/> <input type="button" value="Stop"/>					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Select	Name	Host Name	Version	Discovery Protocol	Status
You can administer the following resources:					
<input type="checkbox"/>	ihsnode	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	Not applicable	TCP	
<input type="checkbox"/>	wasnd-node01CellManager01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	TCP	
<input type="checkbox"/>	wasnd-node01Node01	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	TCP	
<input type="checkbox"/>	wasnd-node01Node02	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	ND 8.5.5.20	TCP	
Total 4					

Section 6: Add the web server to the configuration

In this section, the web server definition is added to the ihsnode.

Cell=wasnd-node01Cell01, Profile=Dmgr

Create new Web server definition

Use this page to create a new web server.

→ Step 1: Select a node for the Web server and select the Web server type

Step 2: Select a Web server template

Step 3: Enter the properties for the new Web server

Step 4: Confirm new Web server

Select a node for the Web server and select the Web server type

Select a node that corresponds to the Web server you want to add.

Select node:

* Server name:

* Type:

Next **Cancel**

Cell=wasnd-node01Cell01, Profile=Dmgr

Create new Web server definition

Use this page to create a new web server.

Step 1: Select a node for the Web server and select the Web server type

→ Step 2: Select a Web server template

Step 3: Enter the properties for the new Web server

Step 4: Confirm new Web server

Select a Web server template

Select the template that corresponds to the server that you want to create.

Select	Template Name	Type	Description
<input checked="" type="radio"/>	IHS	System	The IHS Web Server Template

Previous **Next** **Cancel**

Cell=wasnd-node01Cell01, Profile=Dmgr

Create new Web server definition

Use this page to create a new web server.

Step 1: Select a node for the Web server and select the Web server type

Step 2: Select a Web server template

→ Step 3: Enter the properties for the new Web server

Step 4: Confirm new Web server

Enter the properties for the new Web server

Enter the Web server properties.

* Port:

* Web server installation location:

* Plug-in installation location:

Application mapping to the Web server:

Enter the IBM Administration Server properties.

* Administration Server Port:

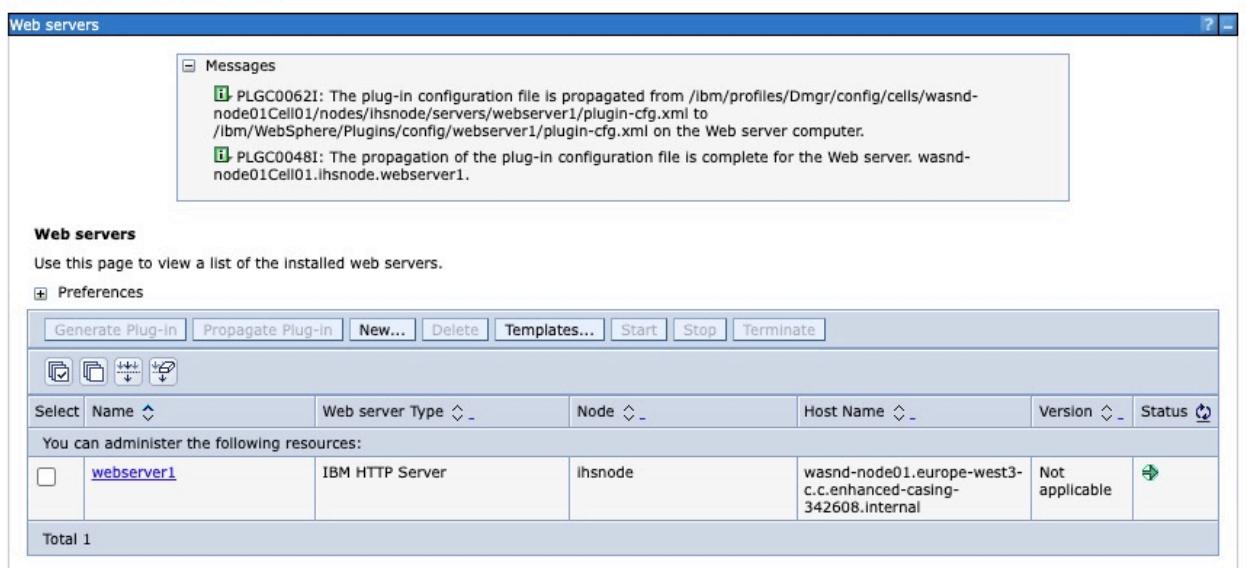
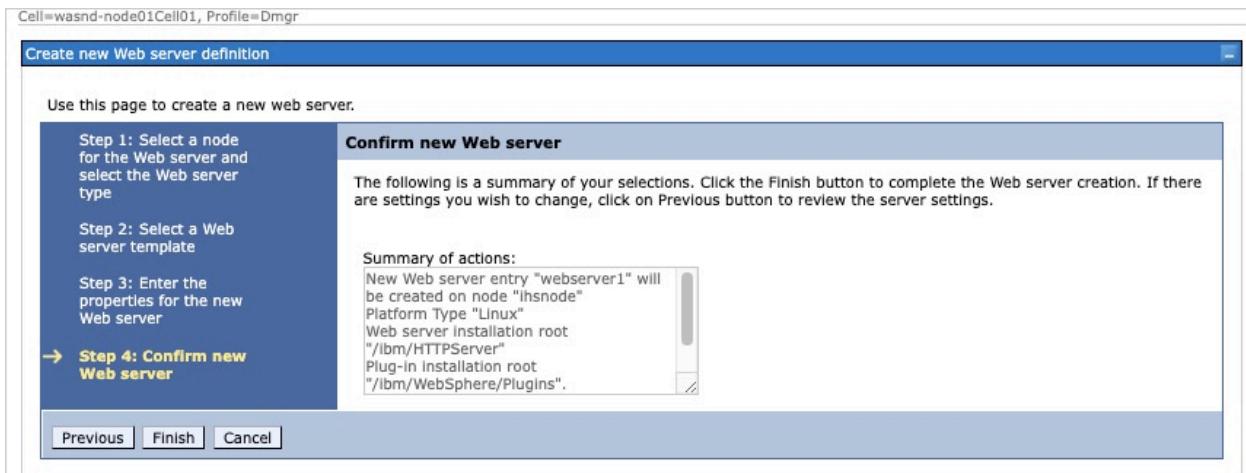
* Username:

* Password:

* Confirm password:

Use SSL

Previous **Next** **Cancel**



Section 7: Mapping modules to servers

Each module of an application is mapped to one or more target servers. The target server can be an application server, a cluster of application servers, or a web server. Web servers that are specified as targets have the routing information for the application, which is generated in their plug-in configuration files.

This mapping usually takes place during application deployment. But since the **DefaultApplication** is deployed when this particular web server was added, the **DefaultApplication** still must be mapped to your new web server. That, in fact, is done for you during the last step of defining the web server properties when **All** is selected for the **Application mapping to the web server**. That step mapped all installed applications to the new web server.

Cell=wasnd-node01Cell01, Profile=Dmgr

Enterprise Applications

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

[Preferences](#)

[Start](#) [Stop](#) [Install](#) [Uninstall](#) [Update](#) [Rollout Update](#) [Remove File](#) [Export](#) [Export DDL](#) [Export File](#) [Analyze](#) ▾

Select	Name	Application Status	Liberty Report
<input type="checkbox"/>	DefaultApplication		
<input type="checkbox"/>	jvtApp		
<input type="checkbox"/>	pbw-ear		
<input type="checkbox"/>	query		

You can administer the following resources:

Total 4

Cell=wasnd-node01Cell01, Profile=Dmgr

Enterprise Applications

[Enterprise Applications](#) > [DefaultApplication](#)

Use this page to configure an enterprise application. Click the links to access pages for further configuring of the application or its modules.

Configuration [Service Policies](#) [Routing Policies](#) [Reports](#) [Operations](#)

General Properties

>Name: DefaultApplication

Application reference validation: Issue warnings

Detail Properties

- [Target specific application status](#)
- [Startup behavior](#)
- [Application binaries](#)
- [Class loading and update detection](#)
- [Request dispatcher properties](#)
- [Security role to user/group mapping](#)
- [JASPI provider](#)
- [Custom properties](#)
- [View Deployment Descriptor](#)
- [Last participant support extension](#)

References

- [EJB references](#)
- [Shared library references](#)
- [Shared library relationships](#)

Modules

- [Manage Modules](#)
- [Metadata for modules](#)
- [Display mod](#) [Manage Modules](#)

Web Module Properties

- [Session management](#)
- [Context Root For Web Modules](#)
- [JSP and JSF options](#)
- [Virtual hosts](#)

Enterprise Java Bean Properties

- [Default messaging provider references](#)
- [Bind EJB Business](#)
- [EJB JNDI names](#)

Client Module Properties

- [Client module deployment mode](#)

Database Profiles

- [SQL profiles and pureQuery bind files](#)

[Apply](#) [OK](#) [Reset](#) [Cancel](#)

Cell=wasnd-node01Cell01, Profile=Dmgr

Enterprise Applications

Enterprise Applications > DefaultApplication > Manage Modules

Manage Modules

Specify targets such as application servers or clusters of application servers where you want to install the modules that are contained in your application. Modules can be installed on the same application server or dispersed among several application servers. Also, specify the Web servers as targets that serve as routers for requests to this application. The plug-in configuration file (plugin-cfg.xml) for each Web server is generated, based on the applications that are routed through.

Clusters and servers:

WebSphere:cell=wasnd-node01Cell01,node=lhsnode,server=webserver1
WebSphere:cell=wasnd-node01Cell01,node=wasnd-node01Node01,server=server1

Apply

Remove Update Remove File Export File

OK Cancel

Enterprise Applications > DefaultApplication > Target specific application status

Use this page to view a mapping of a deployed object, such as an application or module, into a target server or cluster environment. This page displays the status of the enterprise application or module on each server or cluster.

Preferences

Enable Auto Start Disable Auto Start

Select Target ▲ Node ▲ Version ▲ Auto Start Application Status ▲

You can administer the following resources:

	server1	wasnd-node01Node01	ND 8.5.5.20	Yes	
<input type="checkbox"/>	server1	lhsnode	Not applicable	Yes	

Total 2

Section 8: Working with the plug-in configuration file

The plug-in configuration file contains routing information for all applications that are mapped to the web server. The plug-in configuration file must be regenerated and propagated to the web server whenever changes that are made to the WebSphere configuration affect how requests are routed from the web server to the application server.

Web servers

Messages

- PLGC0005I: Plug-in configuration file = /ibm/profiles/Dmgr/config/cells/wasnd-node01Cell01/nodes/lhsnode/servers/webserver1/plugin-cfg.xml
- PLGC0052I: Plug-in configuration file generation is complete for the Web server. wasnd-node01Cell01.lhsnode.webserver1.

Web servers

Use this page to view a list of the installed web servers.

[+ Preferences](#)

Generate Plug-in Propagate Plug-in New... Delete Templates... Start Stop Terminate

Select Name Web server Type Node Host Name Version Status

You can administer the following resources:

<input type="checkbox"/> webserver1	IBM HTTP Server	lhsnode	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal	Not applicable	
Total 1					

Cell=wasnd-node01Cell01, Profile=Dmgr

Web servers

[Web servers > webserver1](#)

Use this page to configure a web server that provides HTTP and HTTPS support to application servers.

[Runtime](#) [Configuration](#)

General Properties

Web server name:

Type:

* Port:

* Web server installation location:

* Configuration file name: [Edit](#)

Configuration settings

- [Web Server Virtual Hosts](#)
- [Global Directives](#)

Additional Properties

- [Log file](#)
- [Intelligent Management](#)
- [Configuration File](#)
- [Plug-in properties](#)
- [Remote Web server management](#)
- [Custom properties](#)

Ports

Use this page to configure a web server. In. The plug-in passes HTTP requests to the web server to WebSphere(R) application servers.

Apply OK Reset Cancel

Web servers

Web servers > webserver1 > Plug-in properties

Use this page to configure a web server plug-in. The plug-in passes HTTP requests from a web server to WebSphere(R) application servers.

Runtime **Configuration**

Plug-in properties

Ignore DNS failures during Web server startup

* Refresh configuration interval
60 seconds

Additional Properties

- [Request and Response](#)
- [Caching](#)
- [Request Routing](#)
- [Custom Properties](#)

Repository copy of Web server plug-in files:

* Plug-in configuration file name
plugin-cfg.xml [View](#)

Automatically generate the plug-in configuration file

Automatically propagate plug-in configuration file

* Plug-in key store file name
plugin-key.kdb

[Manage keys and certificates](#)

[Copy to Web server key store directory](#)

Web server copy of Web server plug-in files:

Cell=wasnd-node01Cell01, Profile=Dmgr

Web servers

Web servers > webserver1 > Plug-in configuration file

Specifies the content of the file.

Total: 60, Filtered total: 60

Retrieve Lines (eg. 250-600) [Refresh](#)

Plug-in configuration file

```
<?xml version="1.0" encoding="ISO-8859-1"?><!--HTTP server plugin config file for the webserver wasnd-node01Cell01.ihsnode.webserver1 generated on 2022.03.03 a
<Config ASDisableNagle="false" AcceptAllContent="true" AppServerPortPreference="HostHeader" ChunkedResponse="false" FIPSEnable="false" FailoverToNext="false" H
<Log LogLevel="Error" Name="/ibm/WebSphere/Plugins/logs/webserver1/http_plugin.log"/>
<Property Name="ESIEnable" Value="true"/>
<Property Name="ESIMaxCacheSize" Value="1024"/>
<Property Name="ESIInvalidationMonitor" Value="false"/>
<Property Name="ESISelectableCookies" Value="false"/>
<Property Name="ESICacheIdFull" Value="false"/>
<Property Name="PostSizeLimit" Value="1"/>
<Property Name="PostBufferSize" Value="0"/>
<Property Name="PluginInstallRoot" Value="/ibm/WebSphere/Plugins/"/>
<Property Name="Keyfile" Value="/ibm/WebSphere/Plugins/config/webserver1/plugin-key.kdb"/>
<Property Name="Stashfile" Value="/ibm/WebSphere/Plugins/config/webserver1/plugin-key.sth"/>
<VirtualHostGroup Name="default_host">
<VirtualHost Name="*:9080"/>
<VirtualHost Name="*:80"/>
<VirtualHost Name="*:9443"/>
<VirtualHost Name="*:5060"/>
<VirtualHost Name="*:5061"/>
<VirtualHost Name="*:443"/>
</VirtualHostGroup>
<ServerCluster ClonePortChange="false" GetDWMTable="false" IgnoreAffinityRequests="true" LoadBalance="Round Robin" Name="server1_wasnd-node01Node01_Cl
<Server ConnectTimeout="0" Extendedhandshake="false" MaxConnections="1" Name="wasnd-node01Node01_server1" ServerIOTimeout="900" WaitForContinue="false">
<Transport ConnectionTTL="28" Hostname="wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal" Port="9080" Protocol="http"/>
<Transport ConnectionTTL="28" Hostname="wasnd-node01.europe-west3-c.c.enhanced-casing-342608.internal" Port="9443" Protocol="https">
<Property Name="keyring" Value="/ibm/WebSphere/Plugins/config/webserver1/plugin-key.kdb"/>
<Property Name="stashfile" Value="/ibm/WebSphere/Plugins/config/webserver1/plugin-key.sth"/>
</Transport>
</Server>
</ServerCluster>
<UriGroup Name="default_host_server1_wasnd-node01Node01_Cluster_URIs">
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/ivt/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/snoop/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/hitcount"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="*.jsp/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="*.jsv/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="*.jsw/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/j_security_check"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/ibm_security_logout"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/servlet/*"/>
<Uri AffinityCookie="JSESSIONID" AffinityURLIdentifier="jsessionid" Name="/plantsByWebSphere/*"/>

```

Cell=wasnd-node01Cell01, Profile=Dmgr

Web servers

Messages

- PLGC0062I: The plug-in configuration file is propagated from /ibm/profiles/Dmgr/config/cells/wasnd-node01Cell01/nodes/lnsnnode/servers/webserver1/plugin-cfg.xml to /ibm/WebSphere/Plugins/config/webserver1/plugin-cfg.xml on the Web server computer.
- PLGC0048I: The propagation of the plug-in configuration file is complete for the Web server. wasnd-node01Cell01.lnsnode.webserver1.

Web servers

Use this page to view a list of the installed web servers.

Preferences

Generate Plug-in Propagate Plug-in New... Delete Templates... Start Stop Terminate

Select Name Web server Type Node Host Name Version Status

You can administer the following resources:

<input type="checkbox"/> webserver1	IBM HTTP Server	lnsnnode	wasnd-node01.europe-west3-c.c.enhanced-casing-342608.Internal	Not applicable	
---	-----------------	----------	---	----------------	--

Total 1

Section 9:Test the plug-in configuration

By default, the web server plug-in module checks for a new configuration file every 60 seconds. You can wait for the plug-in to find the changes, or you can restart the web server to pick up the changes immediately.

← → ⌂ Not Secure | 34.159.238.15:9080/snoop

Snoop Servlet - Request/Client Information

Requested URL:

Servlet Name:

Request Information:

Request method	GET
Request URI	/snoop
Request protocol	HTTP/1.1
Servlet path	/snoop

Snoop Servlet - Request/Client Information

Requested URL:

http://34.159.238.15/snoop

Servlet Name:

Snoop Servlet

Request Information:

Request method	GET
Request URI	/snoop
Request protocol	HTTP/1.1
Servlet path	/snoop