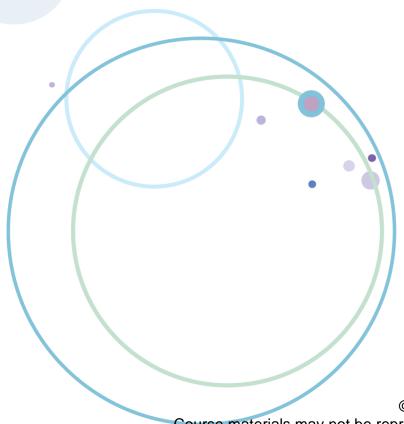


WebSphere Application Server administrative console



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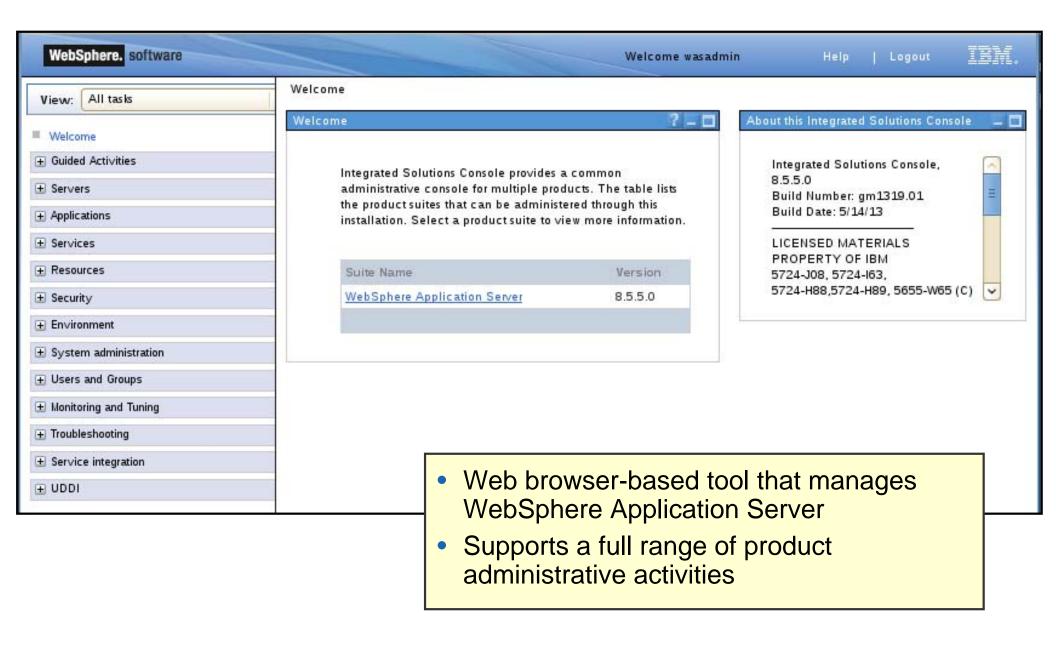
Unit objectives

After completing this unit, you should be able to:

- Describe how to access the administrative console
- Describe the administrative console in a cell topology
- Describe the administrative console interface
- Describe the use of the following administrative tools:
 - Help
 - Preferences
 - Filters
 - Guided activities
 - Troubleshooting
- Describe user and group administrative roles
- Describe the Tivoli Performance Viewer

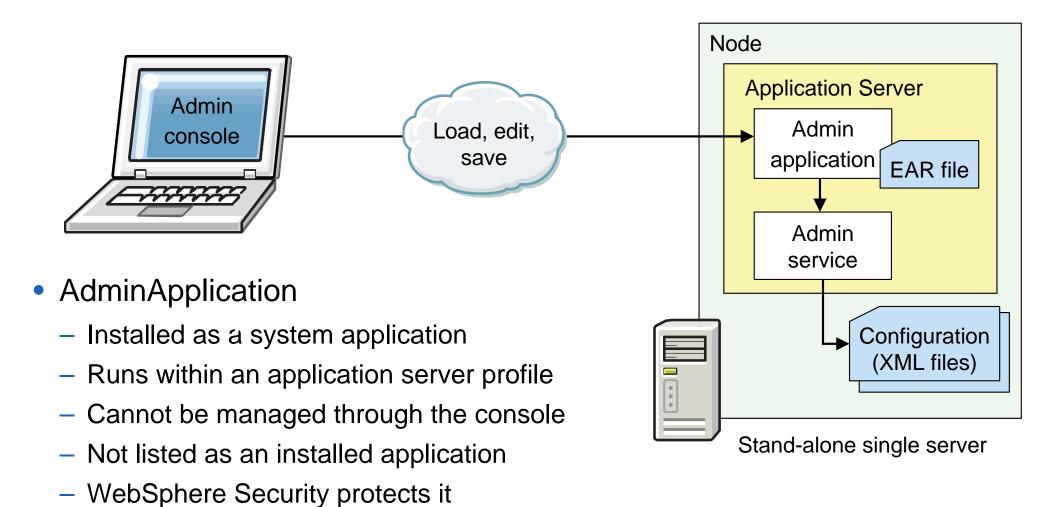


Administrative console





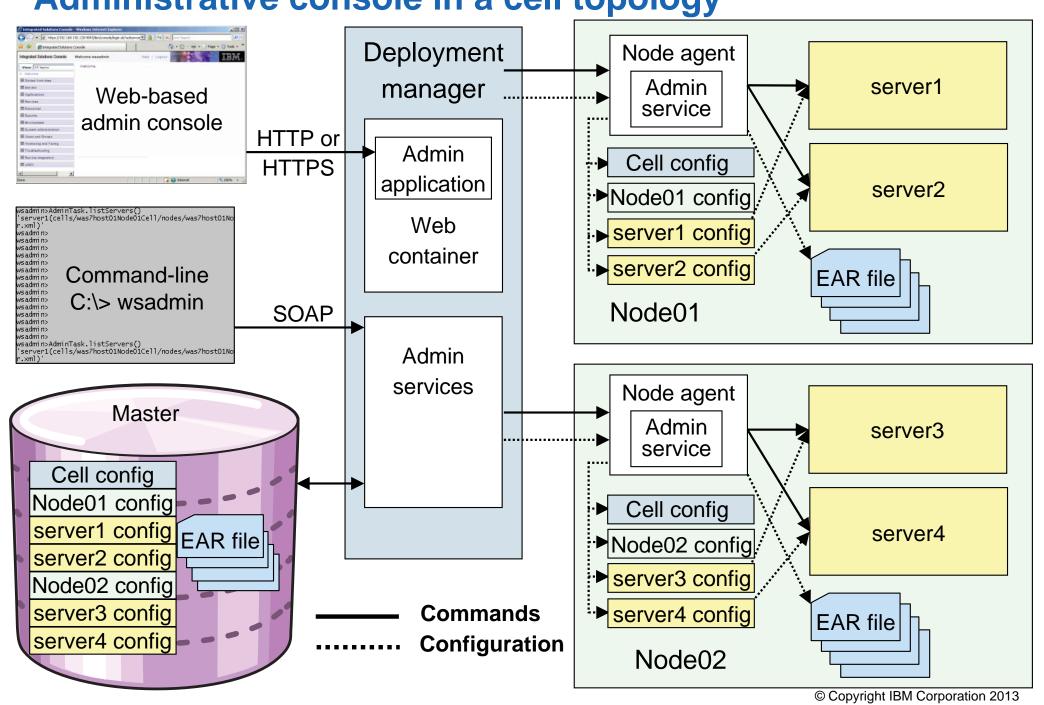
Starting the administrative console



- Accessed through http://localhost:9060/ibm/console
 - 9060 is the default port

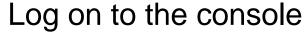


Administrative console in a cell topology



Console login





- User ID
 - A string that identifies the user
 - Is used to track changes that the user makes
 - User ID must be unique
- Password
 - If security is set, specify a password



User ID conflict

 Shown when another user is logged in with the same user ID



WebSphere Integrated Solutions Console

Another user is currently logged in with the same user ID. Select from the following options:

- Log out the other user with the same user ID. You can recover changes made during the other user's session.
- Return to the Login page and enter a different user ID.





Recovering prior changes



- You can recover prior changes if your prior session times out
- Two options are available:
 - Work with the default administrative configuration
 - Work with the administrative configuration from the prior session



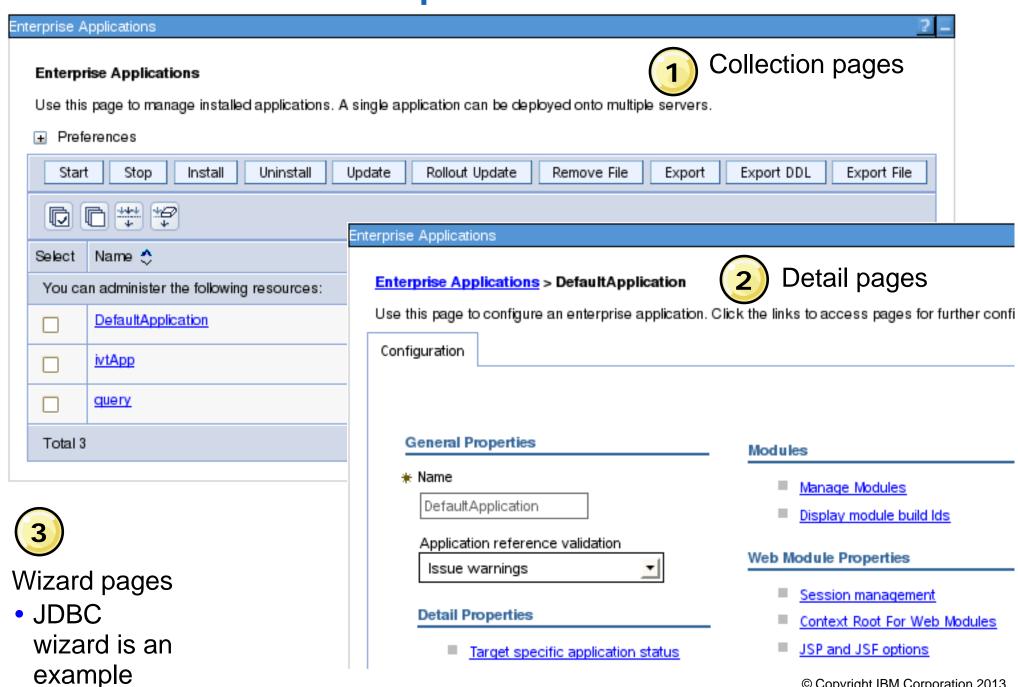
Administrative console session timeout

```
_ | D | X
 timeout.jacl - Notepad
File Edit Format View Help
set dep [$AdminConfig getid /Deployment:isclite/]
set appDep [$AdminConfig list ApplicationDeployment $dep]
set sesmant [$AdminConfig list SessionManager $appDep]
# check if existing sesMgmt there or not, if not then create a new one, if exist then modify it if {$sesMgmt == ""} {
     # get applicationConfig to create new SessionManager
     set appConfig [$AdminConfig list ApplicationConfig $appDep]
     if {$appConfig == ""} {
         # create a new one
         set appConfig [$AdminConfig create ApplicationConfig $appDep {}]
         # then create a new SessionManager using new Application Config just created
         set sesMgmt [$AdminConfig create SessionManager $appConfig {}]
     } else {
          # create new SessionManager using the existing ApplicationConfig
          set sesMgmt [$AdminConfig create SessionManager $appConfig {}]
# get tuningParams config id
set tuningPārams [$Adminconfig showAttribute $sesMgmt tuningParams]
if {$tuningParams == ""} {
    # create a new tuningParams
    $AdminConfig create TuningParams $sesMgmt [{invalidationTimeout 60}}
} else {
     #modify the existing one
     $AdminConfig modify $tuningParams {{invalidationTimeout 60}}
                                                                                 Timeout value
                                                                                   in minutes
# saving the configuration changes
$AdminConfig save
```

• Issue wsadmin -f <path to timeout script>/timeout.jacl

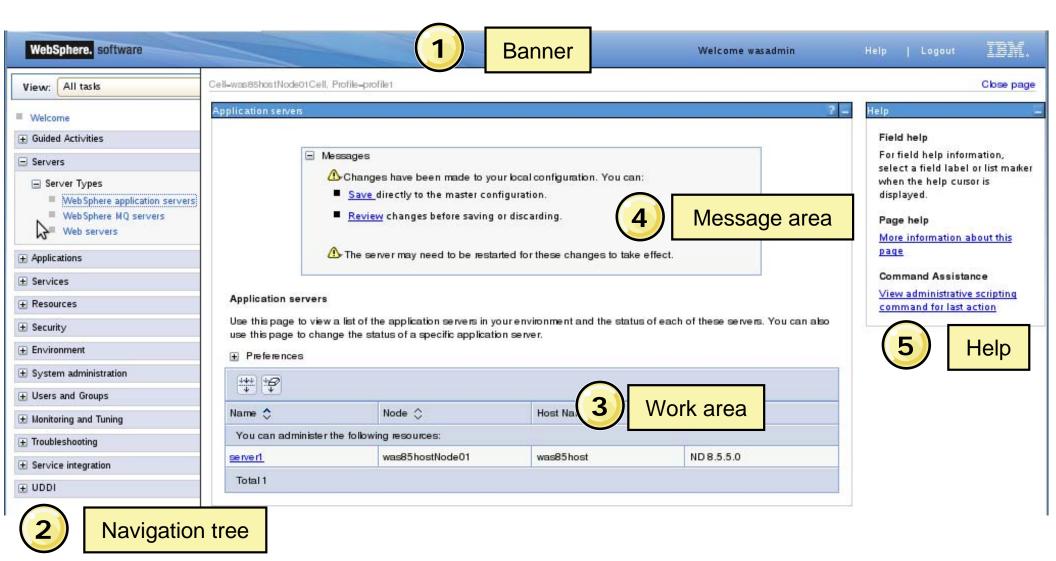


Administrative console panels





Administrative console areas





Administrative console banner



Item	Description
Welcome	 The administrative console home page Contains links to information sources
Logout	 Logs you out of the administrative console session Shows the Login page after successfully logging out If changes were made and not saved, the Save page is shown
Help	 Opens a new web browser with detailed online help for the administrative console Note: This Help is not the information center



Administrative console navigation tree (1 of 2)

⊞ Guided Activities
⊞ Servers
⊞ Applications
⊞ Services
⊞ Resources
⊞ Security
⊞ Environment
System administration
■ Users and Groups
Monitoring and Tuning
⊞ Troubleshooting
Service integration
⊞ UDDI

Tasks	Description
Guided activities	Step-by-step guidance for certain configuration tasks such a connecting to a database
Servers	Configuration of application servers and web servers
Applications	Installation and management of applications
Services	Configuration of service providers, clients, policy sets, trust service, security, cache, and reliable message state
Resources	Configuration of application resources and management of those resources
Security	Configuration and management of WebSphere security, SSL, and web services security
Environment	Configuration of hosts, replication domains, environment variables, naming, and others



Administrative console navigation tree (2 of 2)

Guided Activities
⊞ Servers
■ Applications
⊞ Services
⊞ Resources
⊞ Security
⊞ Environment
System administration
System administration
System administration Users and Groups
System administration Users and Groups Monitoring and Tuning

Tasks	Description
System administration	Configuration and management of components, users, and preferences
Users and Groups	Configuration of users and groups
Monitoring and Tuning	Configuration of the Performance Monitoring Infrastructure and Tivoli Performance Viewer
Troubleshooting	Tracking and verification of configuration errors and problems
Service integration	Configuration for service integration buses, messaging engines, and messages destinations
UDDI	Configuration of UDDI nodes



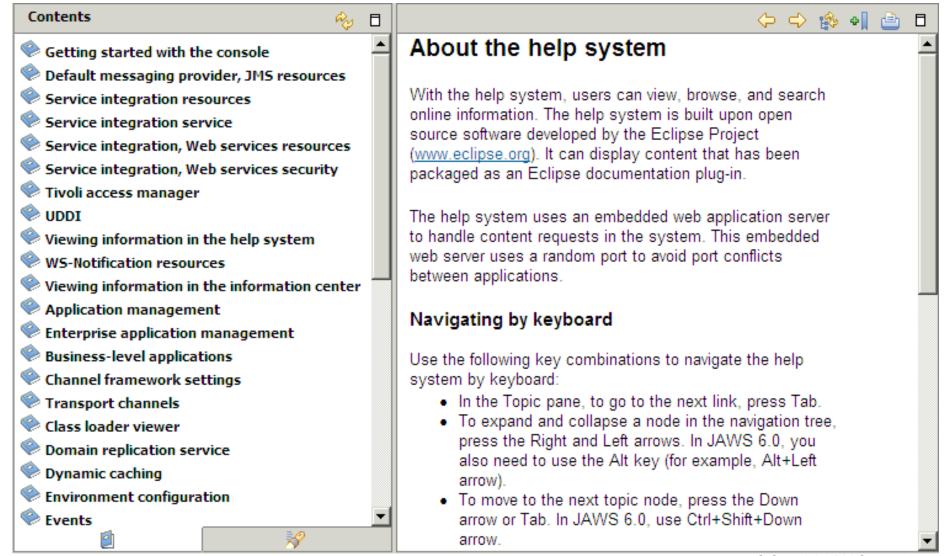
Administrative console help (1 of 2)



Console help

- Click Help from console banner
- Select from list of references



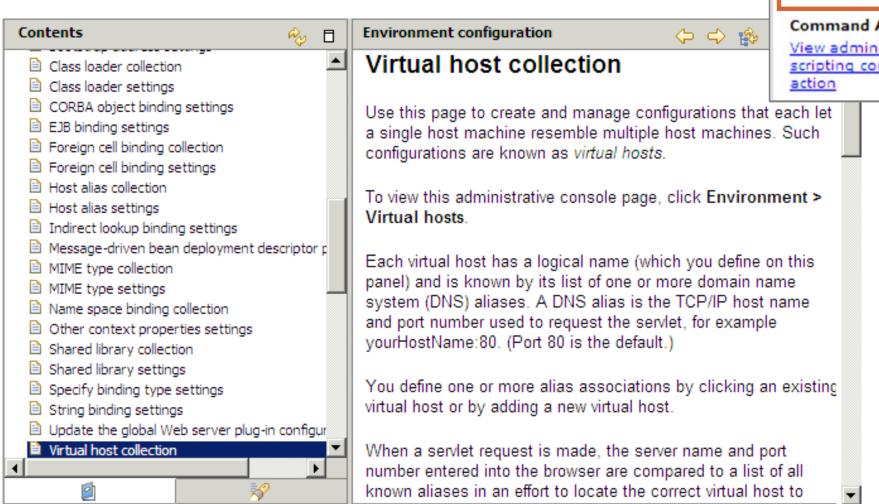




Administrative console help (2 of 2)



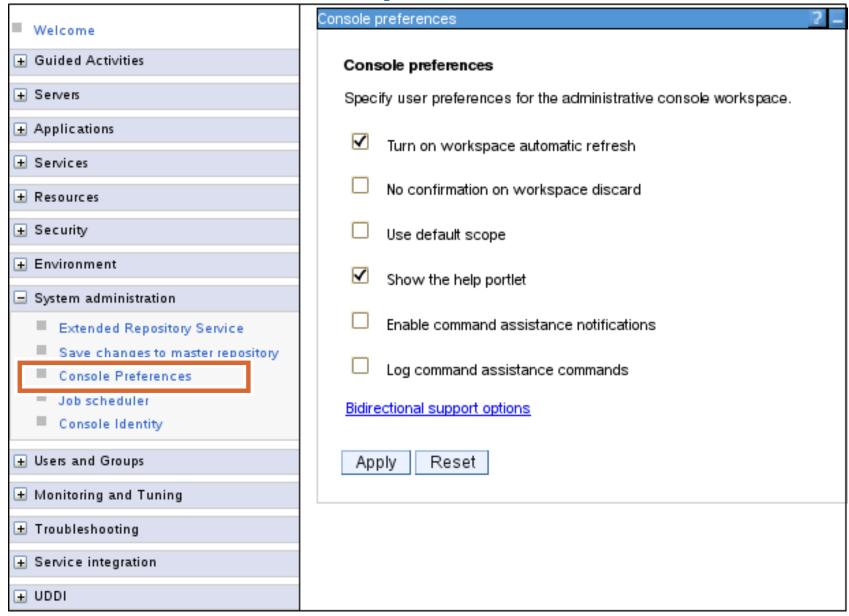
 Click More information about this page from help workspace



View administrative scripting command for last



Administrative console preferences

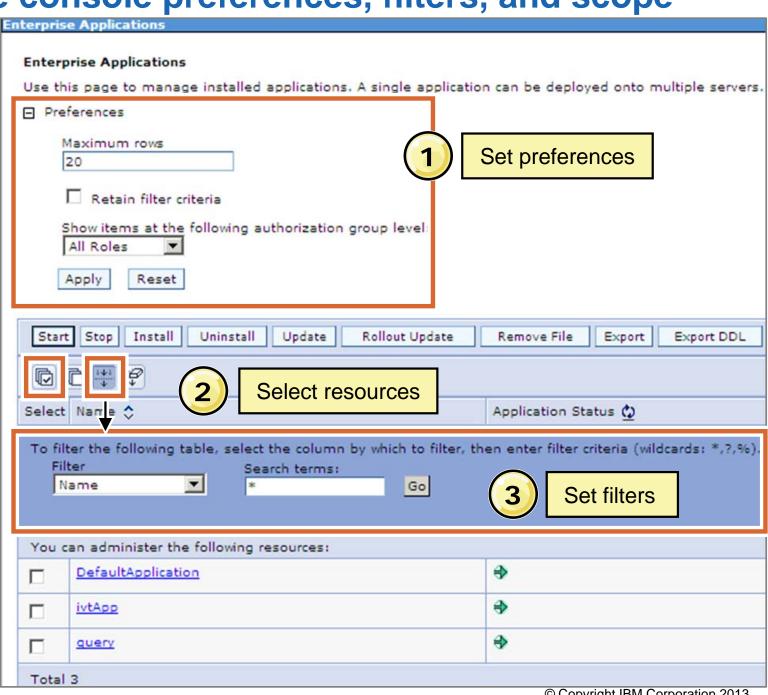


Specify how features of the administrative console workspace behave



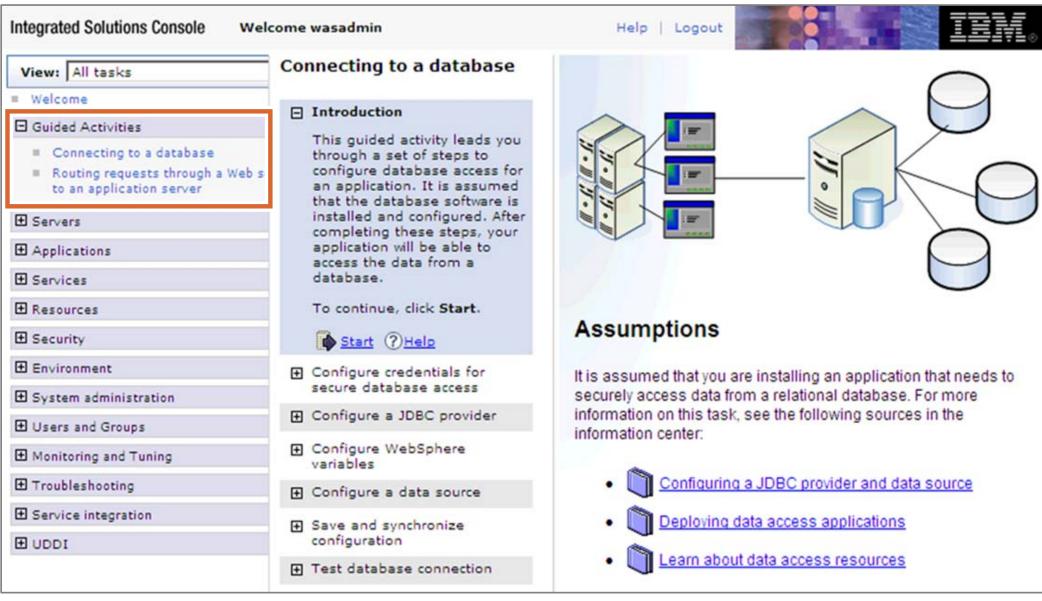
Administrative console preferences, filters, and scope

- Some administrative console pages include fields to customize how much data is shown
- Select options in the following fields:
 - Preferences
 - Filter
 - Scope





Guided Activities

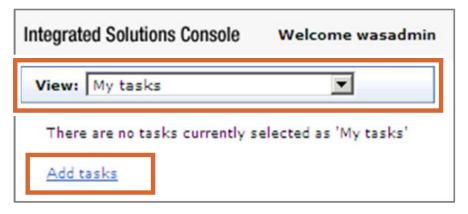


- Structured steps through common administrative tasks
- Otherwise, must know exactly what pages to use and where to find them within the console

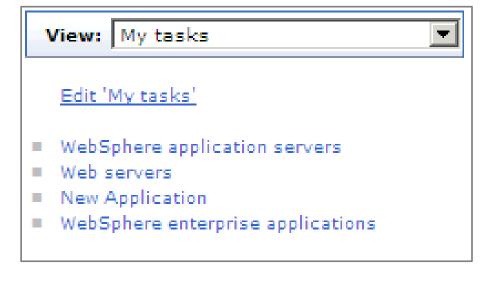


My tasks

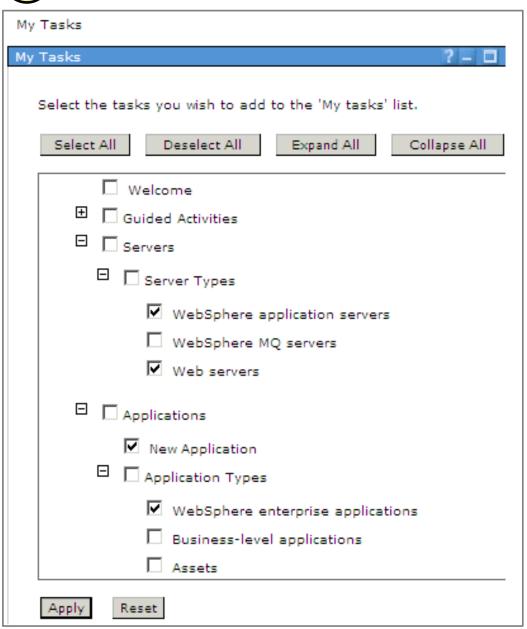
Select My tasks from the navigation view selection list



The tasks are shown in My tasks list



2 Select tasks to add to My tasks list

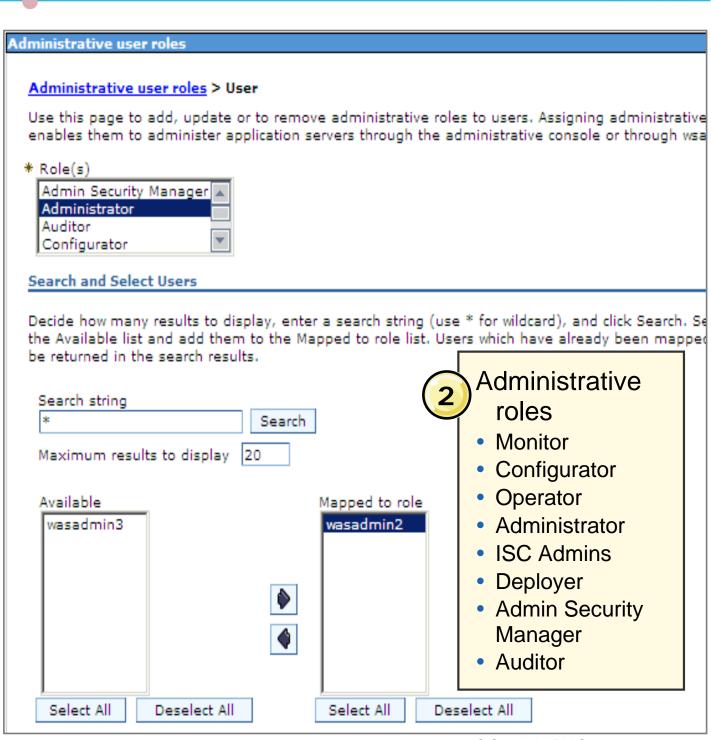




Users and groups



- User and group management
 - Administer user and group roles
 - Manage users and groups





Troubleshooting information

Troubleshooting Logs and trace Configuration problems Class loader viewer Java dumps and cores Configuration Validation Configuration error Configuration warning Configuration information Diagnostic Provider Tests State Data Configuration Data Runtime Messages Runtime error Runtime warning Runtime information

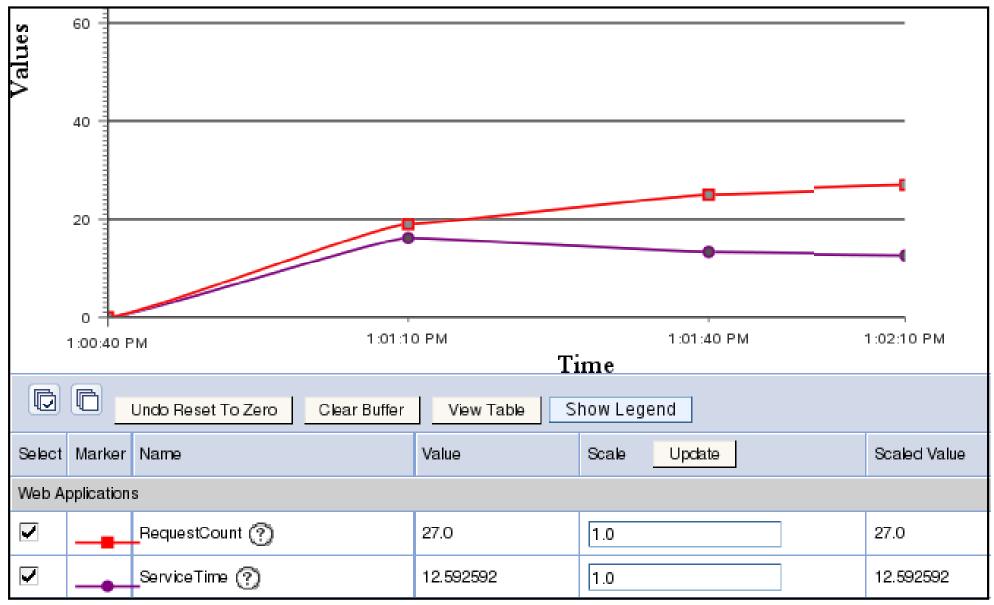
Troubleshooting

- Configure log and trace settings
- Identify and view configuration problems
- View class loaders for modules within the topology of enterprise applications
- Generate thread, heap, and system memory dumps
- Configuration Validation
 - View problems that exist in the present configuration
- Diagnostic Provider
 - Review the startup configuration, current configuration, and current state of a diagnostic domain
- Runtime Messages
 - Review runtime error, warnings, and information messages



Tivoli Performance Viewer

Integrated browser-based performance viewer and advisor





Unit summary

Having completed this unit, you should be able to:

- Describe how to access the administrative console
- Describe the administrative console in a cell topology
- Describe the administrative console interface
- Describe the use of the following administrative tools:
 - Help
 - Preferences
 - Filters
 - Guided activities
 - Troubleshooting
- Describe user and group administrative roles
- Describe the Tivoli Performance Viewer



Checkpoint questions

- The AdminApp application can be configured with the administrative console.
 - A. True
 - B. False
- 2. Configurable console settings, including session timeout, can be set through the Console Preferences page of the system administration task.
 - A. True
 - B. False

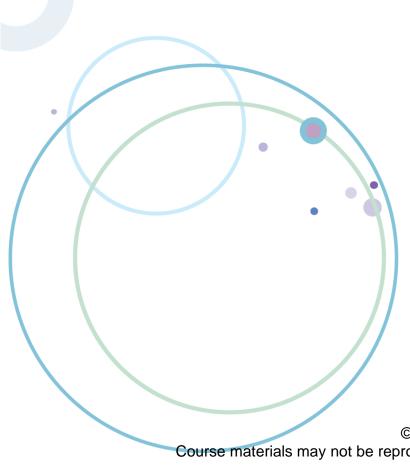


Checkpoint answers

- The AdminApp application can be configured with the administrative console.
 - B. False
- Configurable console settings, including session timeout, can be set through the Console Preferences page of the system administration task.
 - B. False. The session timeout is set from a script.



Exercise 4



Exploring the administrative console

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Exercise objectives

After completing this exercise, you should be able to:

- Verify that WebSphere Application Server is started
- Start the administrative console
- Explore the navigation and functions of the administrative console
- Use the administrative console to examine configuration information, resources, and properties