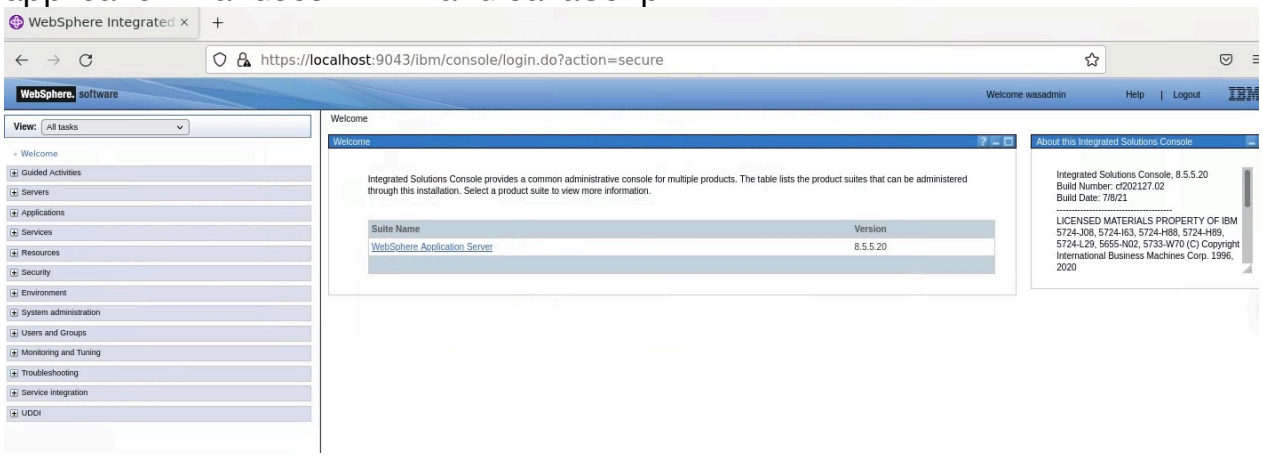
Exercise 4 - Exploring the Administrative Console

At the end of 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

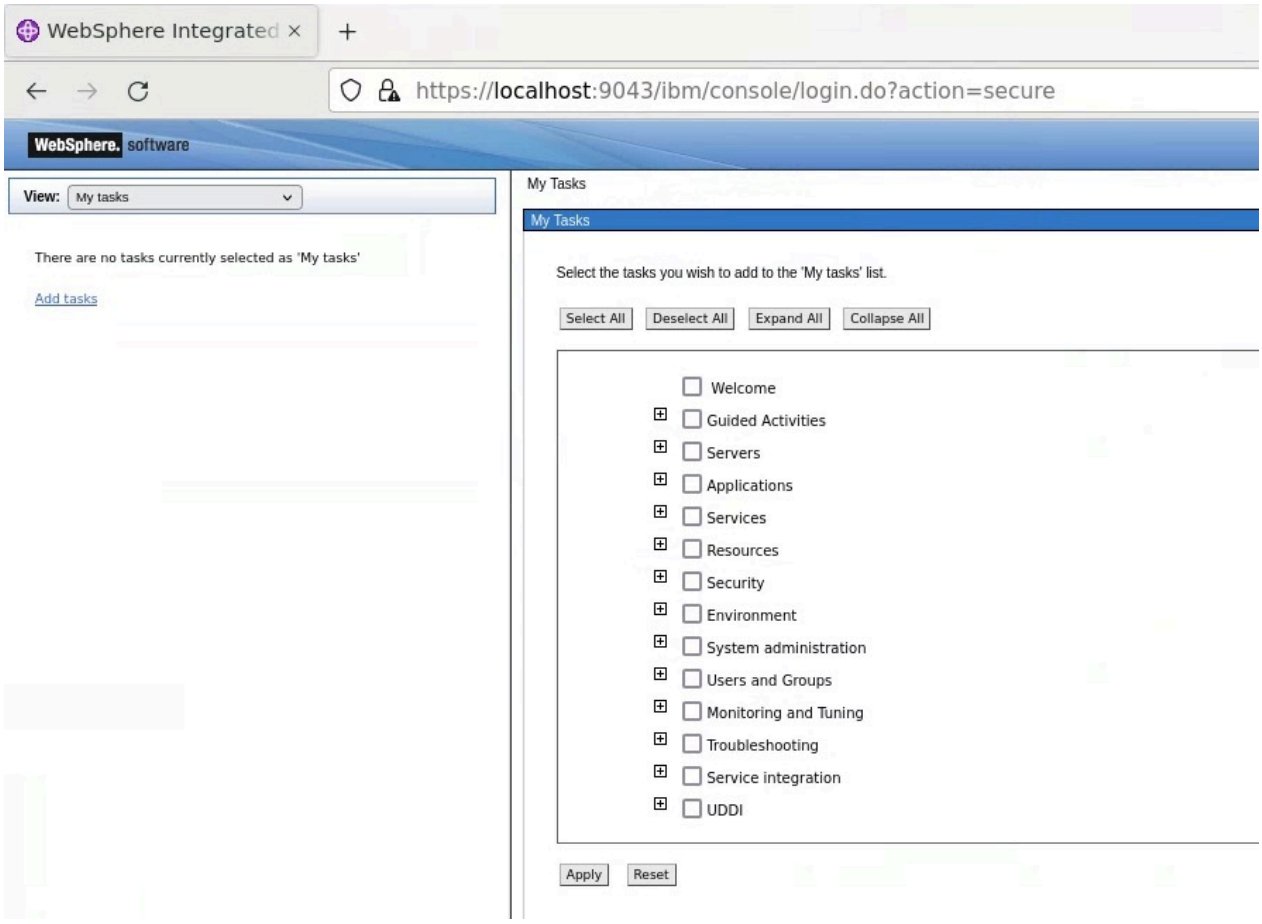
Section 1: Start the administrative console

The administrative console is the graphical user interface for managing WebSphere Application Server configuration settings for servers, applications, and other resources. The administrative console is a browser-based web application that uses HTML and JavaScript.



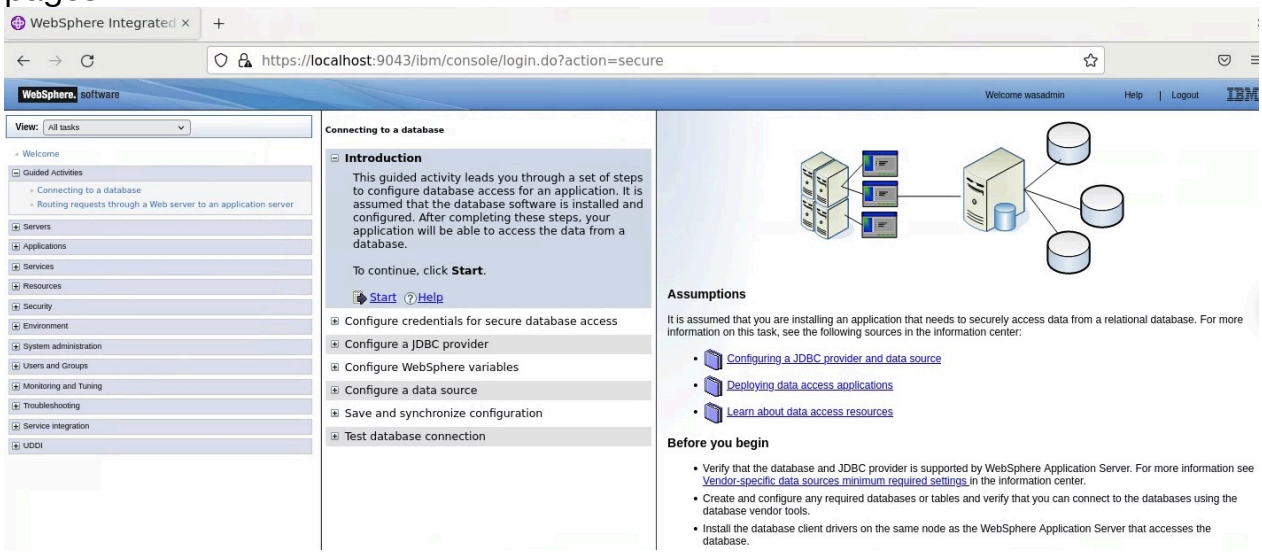
Section 2: Explore the navigation tree

The administrative console navigation tree lists the tasks available in the administrative console. Tasks are grouped into organizational nodes that represent categories of tasks.



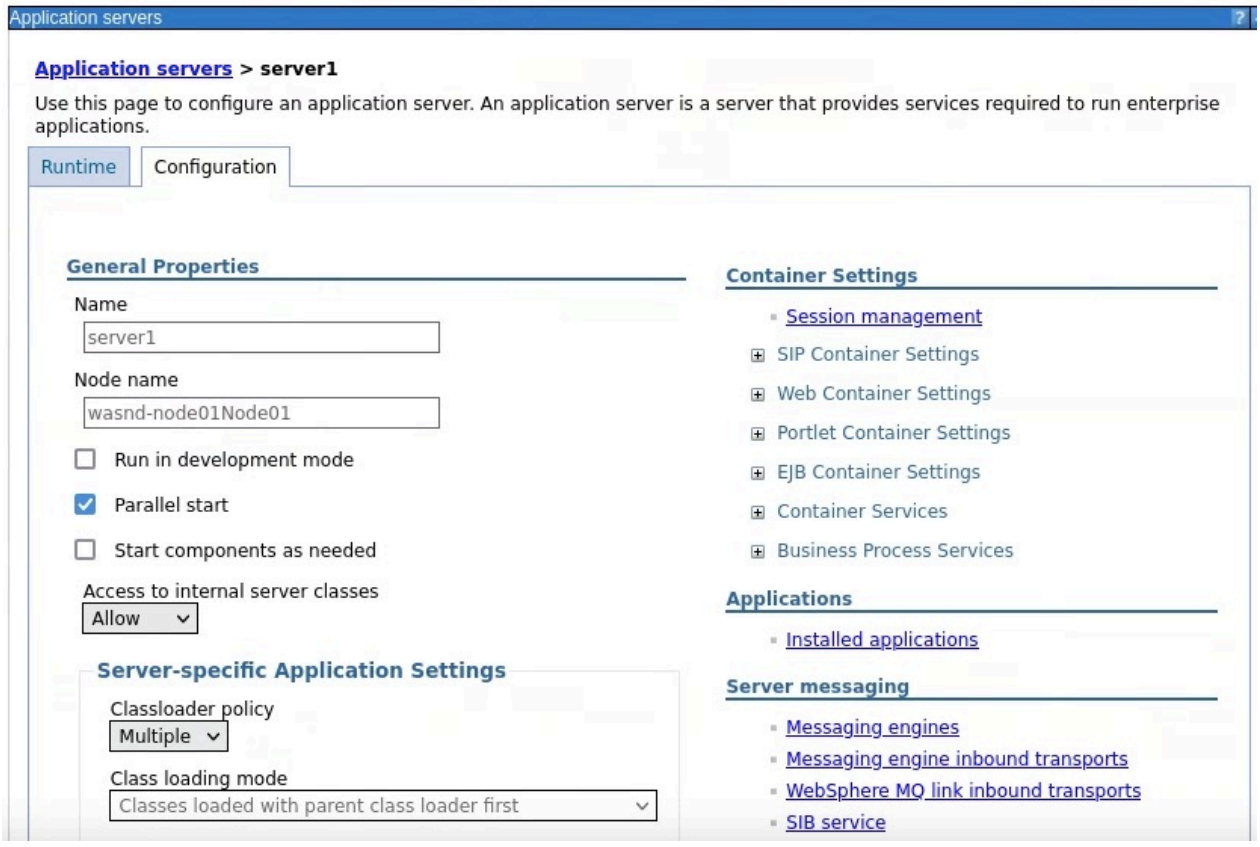
Section 3: Explore guided activities

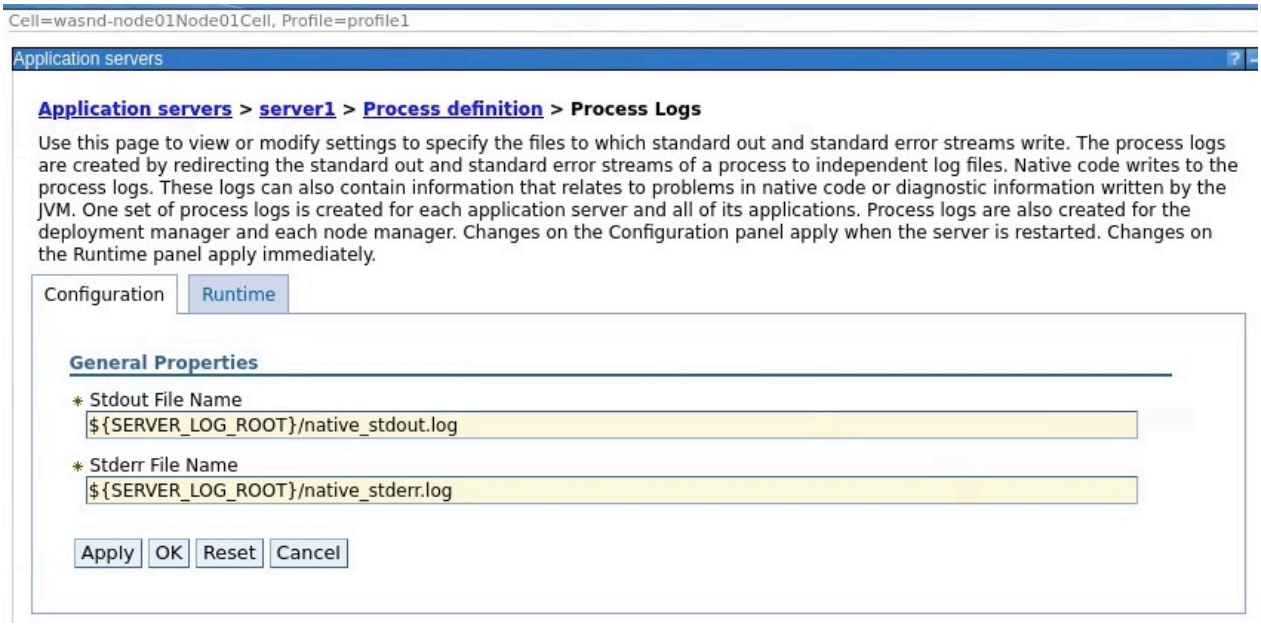
In this part of the exercise, you look at the guided activities for WebSphere Application Server V8.5. Guided activities lead you through common administrative tasks that require you to go to multiple administrative console pages.



Section 4: Explore server settings

In this part of the exercise, you look at some of the settings that can be configured with the administrative console. You begin by looking at the server section.



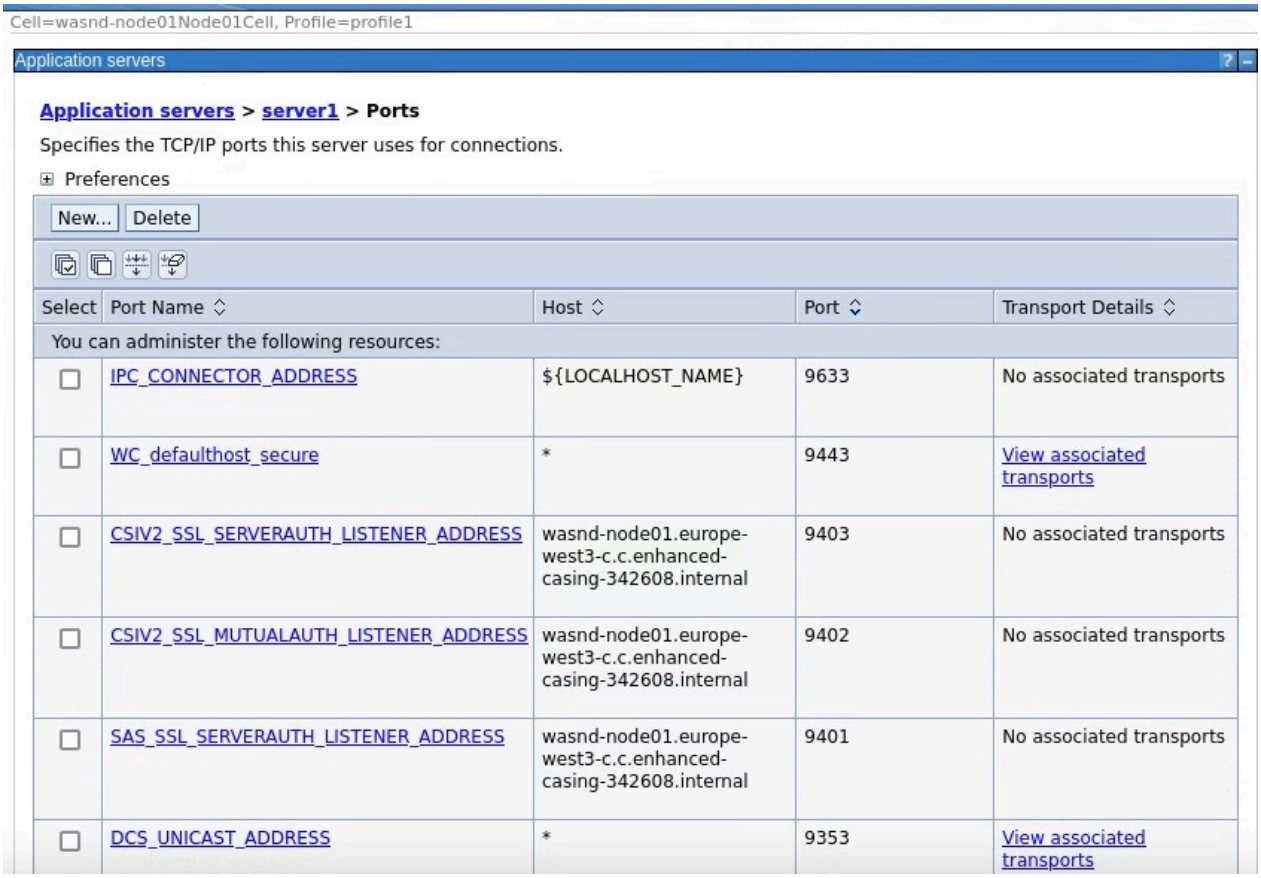

Cell=wasnd-node01Node01Cell, Profile=profile1
Application servers
Application servers > server1 > Process definition > Process Logs
Use this page to view or modify settings to specify the files to which standard out and standard error streams write. The process logs are created by redirecting the standard out and standard error streams of a process to independent log files. Native code writes to the process logs. These logs can also contain information that relates to problems in native code or diagnostic information written by the JVM. One set of process logs is created for each application server and all of its applications. Process logs are also created for the deployment manager and each node manager. Changes on the Configuration panel apply when the server is restarted. Changes on the Runtime panel apply immediately.
Configuration
Runtime
General Properties
* Stdout File Name
${SERVER_LOG_ROOT}/native_stdout.log
* Stderr File Name
${SERVER_LOG_ROOT}/native_stderr.log
Apply
OK
Reset
Cancel

Communications

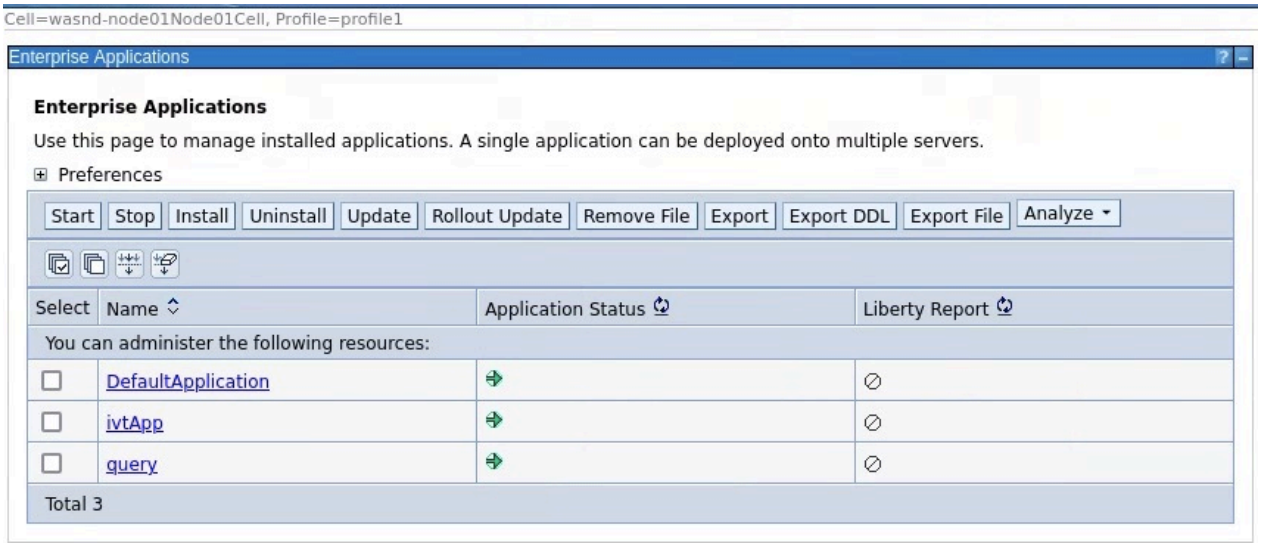
Ports

Port Name	Port
BOOTSTRAP_ADDRESS	2809
SOAP_CONNECTOR_ADDRESS	8880
ORB_LISTENER_ADDRESS	9100
SAS_SSL_SERVERAUTH_LISTENER_ADDRESS	9401
CSIV2_SSL_SERVERAUTH_LISTENER_ADDRESS	9403
CSIV2_SSL_MUTUALAUTH_LISTENER_ADDRESS	9402
WC_adminhost	9060
WC_defaulthost	9080
DCS_UNICAST_ADDRESS	9353
WC_adminhost_secure	9043
WC_defaulthost_secure	9443
SIP_DEFAULTHOST	5060
SIP_DEFAULTHOST_SECURE	5061
SIB_ENDPOINT_ADDRESS	7276
SIB_ENDPOINT_SECURE_ADDRESS	7286
SIB_MQ_ENDPOINT_ADDRESS	5558
SIB_MQ_ENDPOINT_SECURE_ADDRESS	5578
IPC_CONNECTOR_ADDRESS	9633
OVERLAY_UDP_LISTENER_ADDRESS	11003
OVERLAY_TCP_LISTENER_ADDRESS	11004

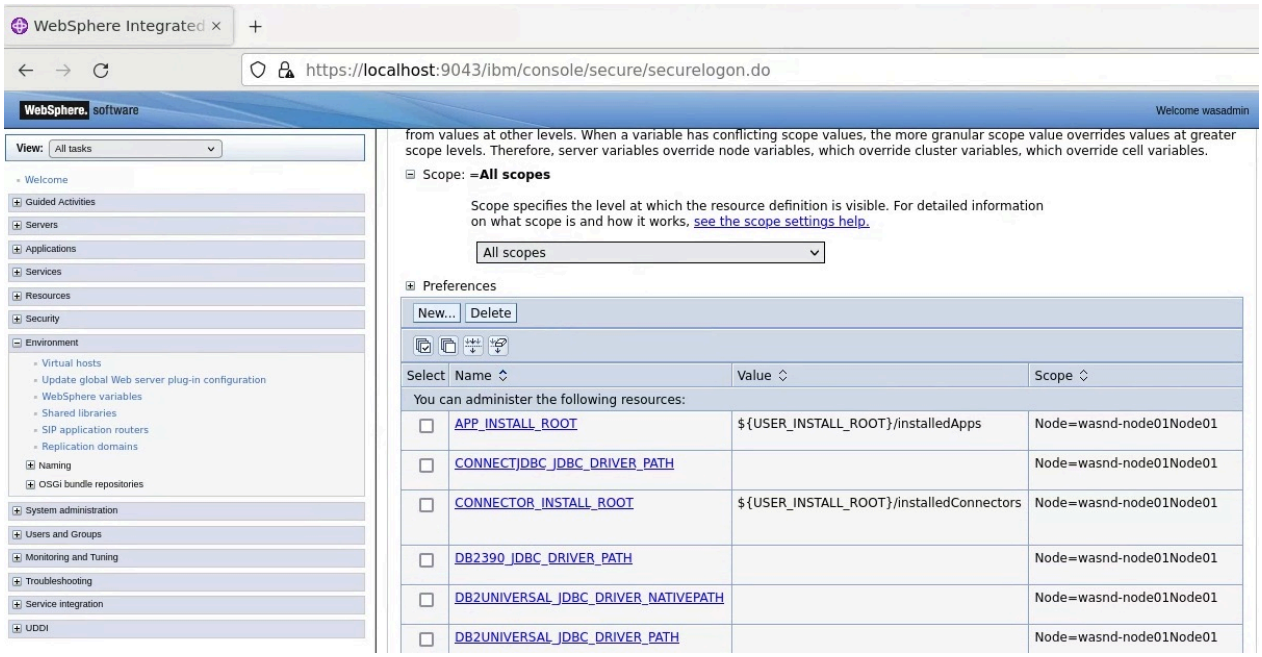
Details



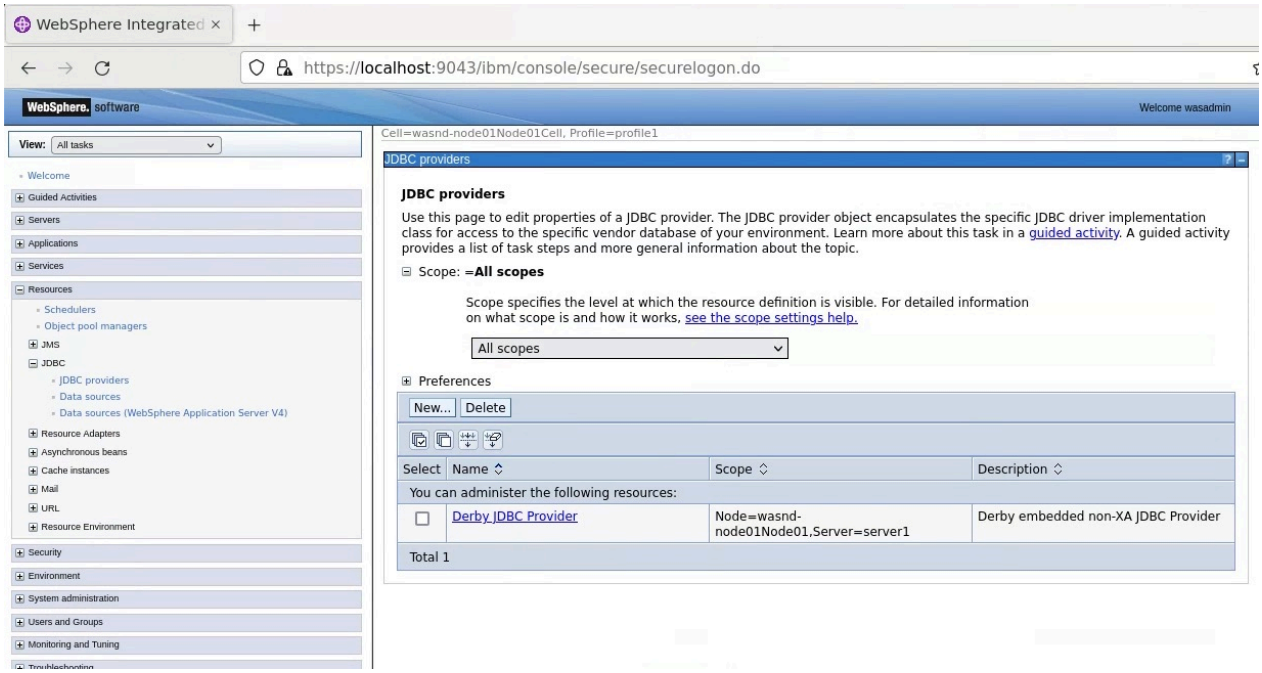
Section 5: Examine application settings



Section 6: Examine environment settings

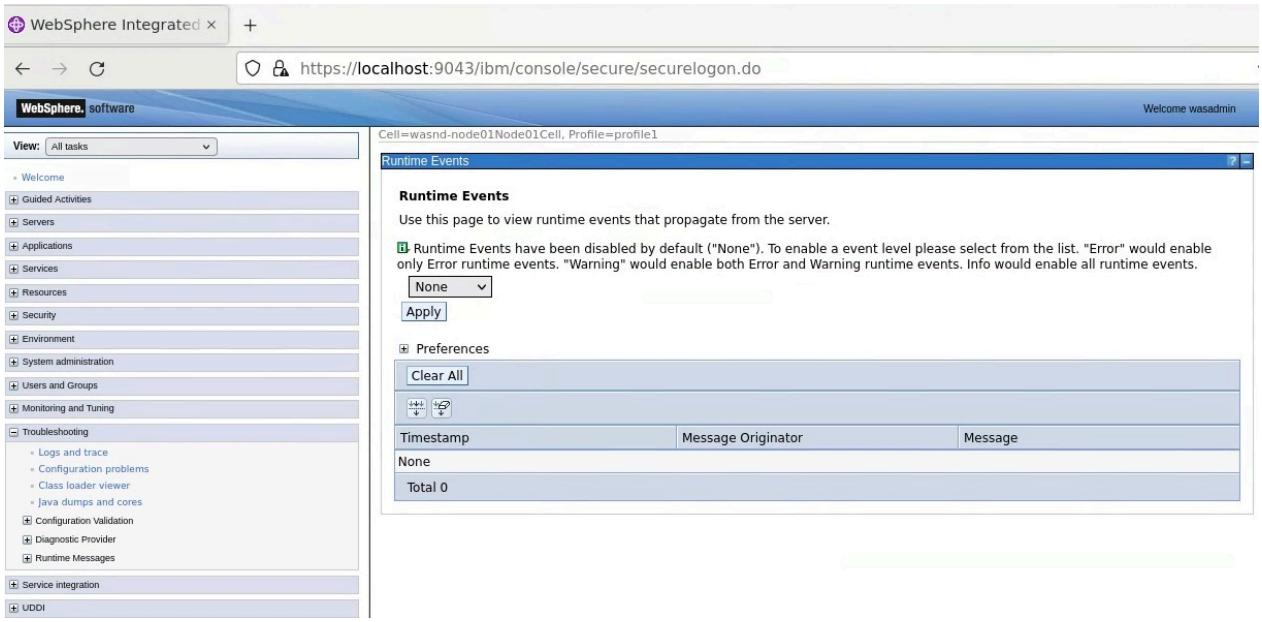


Section 7: Examine resource settings



Section 8:Examine troubleshooting

The Troubleshooting area shows messages about runtime events and configuration problems. This area automatically refreshes, and you can view either the runtime messages or configuration problem totals.



Section 9:Modify the administrative console session timeout

When you are working with the administrative console, the session expires if it is idle for more than 30 minutes. To continue working, you must log in again. Many administrators find the default session idle duration too short. You can change the session idle duration to a time that works best for you. The session idle duration time cannot be modified from the administrative console. The timeout must be modified by running a script.

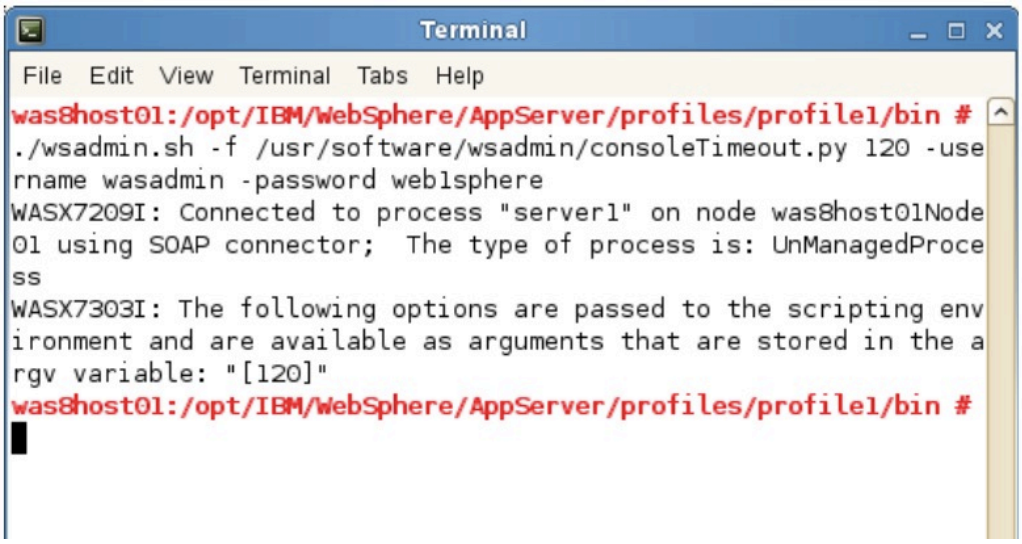
consoleTimeout.py

```
#-------------------------------------------------------------------
#   Name: consoleTimeout.py
#   Role: Display or change the AdminConsole inactivity timeout value.
# Author: Robert A. (Bob) Gibson
#   Note: Based upon the Jacl script in the online documentation
# http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.il
#-------------------------------------------------------------------
import re, sys;

#-------------------------------------------------------------------
# Name: Usage()
# Role: Display script usage information, and exit (terminate script)
#-------------------------------------------------------------------
def Usage( cmdName ):
  print '''
Command: %(cmdName)s\n
Purpose: WebSphere (wsadmin) script used to display, or modify the Admin
         Console timeout value.\n
  Usage: %(cmdName)s [value]\n
Where:
  value = An optional numeric value representing the number of minutes of
          inactivity that are allowed.  If no value is specified, the
          current invalidationTimeout value is displayed.\n
Examples:
  wsadmin -lang jython -f %(cmdName)s.py\n
  wsadmin -lang jython -f %(cmdName)s.py 30''' % locals()
  sys.exit( 1 )

#-------------------------------------------------------------------
```

```
./wsadmin.sh -f /usr/software/wsadmin/consoleTimeout.py 120
-username wasadmin -password web1sphere
```

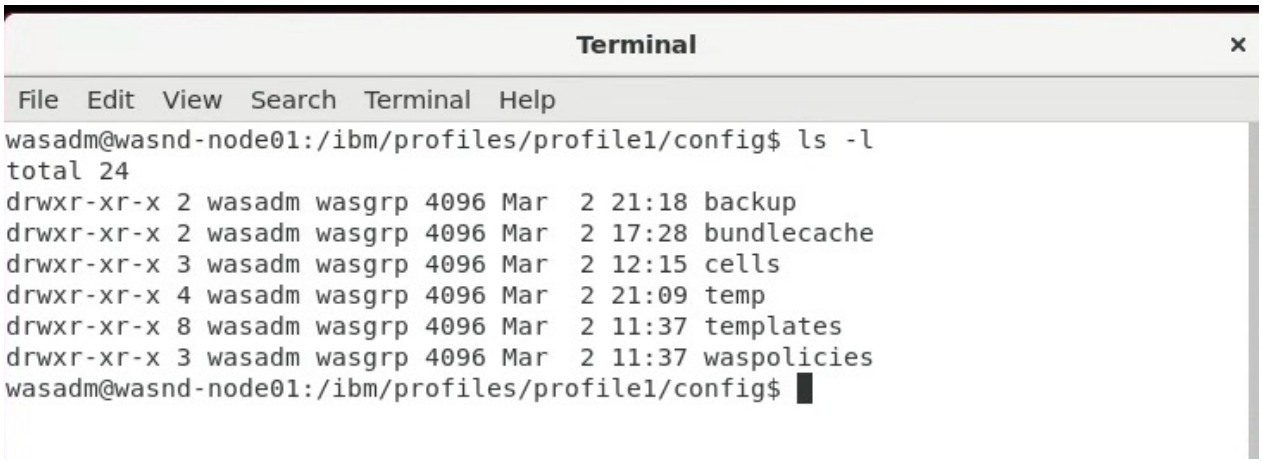


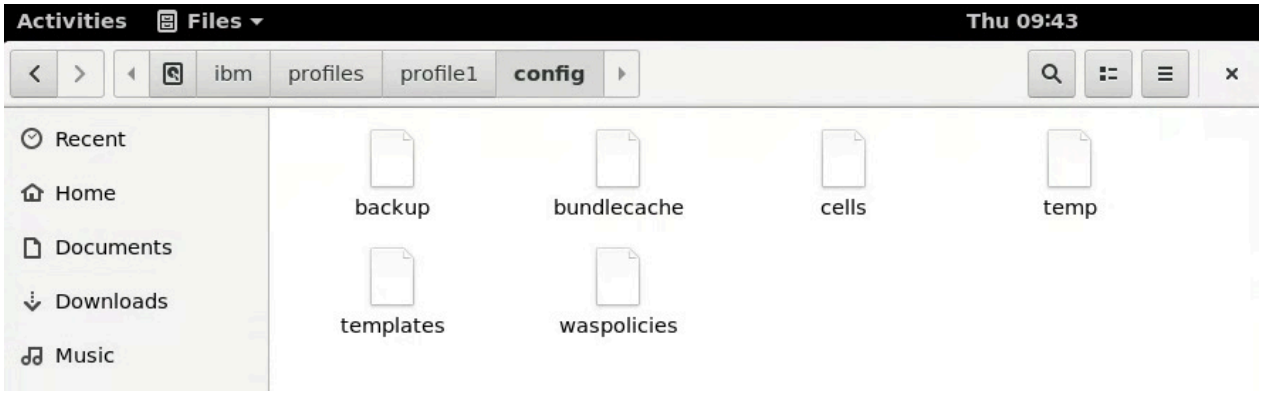
Section 10:Log out of the administrative console

When you are working in the administrative console, a work area is saved which includes all configuration changes you make in the session. When you log out, you can save or discard these changes. If you close the browser, the session work area is preserved. The next time you log in, you can recover the work area from the previous session.

Section 13:Explore configuration files

Examine some of the configuration files for the WebSphere Application Server.




Activities
Files
Thu 09:43
ibm
profiles
profile1
config
Recent
Home
Documents
Downloads
Music
backup
bundlecache
cells
temp
templates
waspolicies