

Exam Questions C9510-401

IBM WebSphere Application Server Network Deployment V8.5.5 and Liberty Profile, System Administration

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NEW QUESTION 1

A system administrator ran the backup Config command to backup the configuration using the -nostop option. The administrator changed the properties for the service integration environment by modifying the sib.properties file. During testing the administrator noticed Service Integration Bus related errors and wanted to restore the service integration environment. The administrator used the restore config command, but the tuning properties for the service integration environment were not restored.

How can the administrator prevent this issue?

- A. Use full repository checkpoints for both the backup and the restore.
- B. Use the restore config command with -nostop for the restore.
- C. Use the manage profiles command for both the backup and the restore.
- D. Use the backup config command without -nostop for the backup Use the restore config command without -nostop for the restore.

Answer: B

NEW QUESTION 2

After collecting diagnostic trace from a server running under a cell, a system administrator noticed that the trace files contained sensitive information. To avoid this issue in the future, what can the administrator do?

- A. Configure entries in the ras.rawtracelist.properties.
- B. Configure suppressSensitiveTrace in the bootstrap.properties file.
- C. Clear the "Disable logging and tracing of potentially sensitive data" checkbox.
- D. Add the entry com.ibm.websphere.logging.RawTraceList=off to the end of the trace string.

Answer: C

Explanation: You can either enable or disable the sensitive log and trace guard to help control whether loggers write sensitive information in your log and trace files.

Use the administrative console to enable or disable the sensitive log and trace guard. Procedure

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/ttrb_enablesensitivelogtrace.html

NEW QUESTION 3

A web application is hosted on an application server that receives HTTP requests from a third party application named myApp. The URIGroup mapping for this application is called default_host_myApp.

The development team asks a system administrator to configure the HTTP plug-in to prevent routing requests to any application server except server1.

The following exhibit shows the parts of the plugin-cfg.xml file that are relevant for myApp. The UriGroups for other applications are not shown in the exhibit.

```

1  <VirtualHostGroup Name="default_host">
2      <VirtualHost Name="*:9080"/>
3      <VirtualHost Name="*:9081"/>
4      <VirtualHost Name="*:80"/>
5      <VirtualHost Name="*:9443"/>
6      <VirtualHost Name="*:9444"/>
7      <VirtualHost Name="*:443"/>
8  </VirtualHostGroup>
9  <ServerCluster Name="myCluster">
10     <Server CloneID="a10000001" LoadBalanceWeight="2"
11         MaxConnections="-1" Name="server1">
12         <Transport Hostname="machine1" Port="9080" Protocol="http"/>
13         <Transport Hostname="machine1" Port="9443" Protocol="https"/>
14     </Server>
15     <Server CloneID="b20000002" LoadBalanceWeight="2"
16         MaxConnections="-1" Name="server2">
17         <Transport Hostname="machine2" Port="9081" Protocol="http"/>
18         <Transport Hostname="machine1" Port="9444" Protocol="https"/>
19     </Server>
20 </ServerCluster>
21 <UriGroup Name="default_host_myApp">
22     <Uri Name="/myApp/*"/>
23     <Uri Name="/myAppAdmin/*"/>
24 </UriGroup>
25 <Route ServerCluster="myCluster" UriGroup="default_host_myApp"
26     VirtualHostGroup="default_host"/>

```

What should the administrator do to the plugin-cfg.xml file to ensure that requests for default_host_myApp URIGroup are routed only to machine1?

- A. Delete the Server tag for CloneId="b20000002"Delete all of the tags within the Server tag
- B. Delete the UriGroup tag for default_host_myAppDelete all of the tags within the UriGroup tag
- C. Delete the VirtualHostGroup tag for default_hostDelete all of the tags within the VirtualHostGroup tag
- D. Edit the LoadBalanceWeight for server1 to 20Edit the LoadBalanceWeight for server2 to 2

Answer: A

NEW QUESTION 4

A newly deployed application has authorization errors when invoking EJB methods from a servlet. An additional review indicates that users are authenticated, but do not have the correct authorization.

How can a system administrator fix the issue ensuring only authorized access?

- A. Using the Integrated Solutions Console (ISC), map all security roles to the special subject Everyone.
- B. Using the Integrated Solutions Console (ISC), map the security roles that are still not mapped to groups in the correct user registry.
- C. Edit the application using an assembly tool to add a security constraint for the servlet and reinstall the application.
- D. Edit the application using an assembly tool to remove the security constraint defined for the servlet and reinstall the application.

Answer: B

NEW QUESTION 5

A system administrator needs to install WebSphere Application Server using response files, so that a silent install can be done. The administrator has ensured that all required prerequisites have already been installed and, has downloaded and expanded the required WebSphere Application Server installation files. What can the administrator run to install the product?

- A. `install -options responsefile.xml -silent`
- B. `install -acceptLicense -options responsefile.xml -silent`
- C. `imcl -acceptLicense input responsefile.xml -log logfile.txt`
- D. `IBMIM -acceptLicense -input responsefile.xml -log logfile.txt`

Answer: C

Explanation: Example of the use of the response files to install the product. `imcl.exe -acceptLicense`
`input C:\temp\keyring_response_file.xml`
`-log C:\temp\keyring_log.xml` References:

NEW QUESTION 6

An application deployed to a multi-node cluster is reported to have slowness and hung threads. A system administrator is asked to review the logs on each node and identify if the hung threads are a false alarm. How can the administrator determine that the hung threads are a false alarm? Analyze the:

- A. `ffdc` logs
- B. `SystemErr.log`
- C. `SystemOut.log`
- D. `native_stderr.log`

Answer: C

Explanation: Problem(Abstract)

The `SystemOut.log` contains a `WSVR0605W` message, also called a hung thread message. A `javacore`, or thread dump on Solaris and HP-UX, is needed in order to determine how to resolve the potentially hung threads.

Cause

WebSphere Application Server attempts to report potentially hung threads using the hung thread detector. Depending on how the hung thread detector policy is configured, a thread running for a certain interval (default 10 minutes) might be reported as hung and a `WSVR0605W` message is printed in the `SystemOut.log` file: `WSVR0605W: Thread <threadname> has been active for <time> and may be hung. There are <totalthreads> in total in the server that may be hung.`

References: <https://www-01.ibm.com/support/docview.wss?uid=swg21448581>

NEW QUESTION 7

A system administrator discovers an issue that requires a change to a federated server. In this cell, WebSphere administrative security is enabled, but application security is not enabled.

How should the administrator make this change? The administrator should use:

- A. a web browser to connect to the node agent `https` port.
- B. a web browser to connect to the deployment manager `admin_host` port.
- C. the job manager to submit a job to update the unmanaged server.
- D. an `ssh` connection to the node and modify the `client_types.xml` file.

Answer: B

Explanation: The `admin_host` virtual host is used for access to the WebSphere administrative console. At installation time, the host is configured to match requests on the `wc_adminhost` and `wc_adminhost_secure` ports for the stand-alone server or deployment manager.

References: WebSphere Application Server V8.5 Administration and Configuration Guide for the Full Profile (July 2013), page 303

NEW QUESTION 8

A system administrator completed a WebSphere Application Server installation by using the Installation Manager. During installation, all defaults were selected for the installation root directories and the shared resources directory. Over time, the administrator has updated the installation with various interim fixes and fix packs. The administrator notices that the shared resources directory is very large in size and grows larger each time the Installation Manager is run.

How can the administrator decrease the size and remove some of the content from the shared resources directory?

- A. Manually delete content from the directory.
- B. During an update, create a new shared resources directory.
- C. Clear the Delete Saved Files option for the Installation Manager.
- D. Set the `preserveDownloadedArtifacts` preference to false.

Answer: D

Explanation: Because product payloads are cached in this directory, space requirements can grow very large over the lifetime of the product, as service updates are applied. The WebSphere Application Server product image is large, so if this content is permitted to accumulate, then this directory will grow to be many gigabytes in size over the course of multiple fix pack applications. You should never manually delete the content in this folder. Instead, during any installation or

maintenance operation, you can specify the following preference to remove some of the content in this folder:

–preferences com.ibm.cic.common.core.preferences.preserveDownloadedArtifacts=false

References: [https://www.ibm.com/support/knowledgecenter/en/SSAW57_7.0.0/com.ibm.websphere.inst allation.soafepnd.doc/info/ae/ae/tins_installfp_dist.html](https://www.ibm.com/support/knowledgecenter/en/SSAW57_7.0.0/com.ibm.websphere.inst%20allation.soafepnd.doc/info/ae/ae/tins_installfp_dist.html)

NEW QUESTION 9

A system administrator wants to learn some of the Python scripting commands for the administration of the environment. Which product feature should the administrator use?

- A. The wsadmin.properties file to load a profile.
- B. The AdminTask object to generate wsadmin scripts.
- C. The guided activities panel from the Integrated Solutions Console (ISC).
- D. The "Log command assistance commands" option in the Integrated Solutions Console (ISC).

Answer: D

NEW QUESTION 10

A system administrator has created a Jython script called globalScript.py.

What should the administrator do to ensure globalScript.py is loaded when the wsadmin shell is used?

- A. Compile globalScript.py to a Java class in the bin directory.
- B. Invoke wsadmin with the argument –profileName globalScript.py.
- C. Modify the configureCustomProperty script to import globalScript.py.
- D. Set the script profiles in the wsadmin.properties file to load globalScript.py.

Answer: D

Explanation: wsadmin.properties has this entry com.ibm.ws.scripting.profiles where we can add the scripting files to be loaded.

References: [https://www-01.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/rxml_ propscrip.html](https://www-01.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/rxml_propscrip.html)

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- B. Invoke wsadmin with the argument-profileName globalScript.py.
- C. Modify the configureCustomProperty script to import globalScrip
- D. py.
- E. Set the script profiles in the wsadmin.properties file to load globalScript .py.

Answer: D

NEW QUESTION 11

While monitoring a cluster in the cell, the administrator notices that one server in the cluster periodically loses connections to the database. When this happens, requests to the server have a significantly decreased response time and various error conditions are listed in the log files for the server. Since the error codes are returned quickly, the server starts returning responses faster than the average service times for the application. Due to this, the weight for the server is increased and a large percentage of incoming requests are being routed to the erroneous server and the server is getting overloaded with requests.

How can the administrator detect these conditions in the future and take action to prevent this problem?

- A. Configure the storm drain health policy.
- B. Configure the on demand router (ODR) transport chain to tune inbound connections.
- C. Monitor the JVM heap usage to determine a new server weight.
- D. Enable the PMI Extended statistic set and use the Connection Pool summary report.

Answer: A

Explanation: Storm drain condition tracks requests that have a significantly decreased response time. This policy relies on change point detection on given time series data.

References: [https://www.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc /ae/cwve_odhealth.html](https://www.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/cwve_odhealth.html)

NEW QUESTION 16

A system administrator has to design a new production environment to host a web application. The workload of this web application is expected to increase during special marketing campaigns.

Which one of the following topologies should the administrator configure to address the requirements for this new environment?

- A. A Liberty collective environment with autonomic managers and on demand router (ODR).
- B. A flexible management environment supported by one admin agent running in each node of the cell.
- C. A dynamic cluster with autonomic managers, application placement controller and intelligent routers.
- D. A heterogeneous cell with enough server to support the peak load spread across multiple nodes on the same machine.

Answer: C

Explanation: A dynamic cluster is a server cluster that uses weights and workload management to balance the workloads of its cluster members dynamically, based on performance information that is collected from the cluster members. Dynamic clusters enable application server virtualization.

A dynamic cluster is an application deployment target that can expand and contract depending on the workload in your environment. Dynamic clusters work with autonomic managers, including the application placement controller and the dynamic workload manager to maximize the use of your computing resources. Dynamic clusters are required for many of the Intelligent Management autonomic functions, including high availability and service policies. References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/cwve_odrdynamiccluster.html

NEW QUESTION 21

A system administrator needs to create a cell for a test environment. The administrator uses the Profile Management Tool (PMT) to create the deployment manager profile using the advanced profile creation option and creates a custom profile using the typical profile creation option. The administrator examines the log files for the custom profile creation and sees an INSTCONFFAIL message indicating the deployment manager was not running during the custom profile creation. How should the administrator fix this?

- A. Delete the custom profile.Start the deployment manager.Create the custom profile again.
- B. Start the deployment manager.Use PMT to re-create the custom profile.
- C. Use the syncNode command to synchronize the node.
- D. Run the addNode command to federate the custom profile.

Answer: A

Explanation: Deleting profiles. You can delete a profile using the manageprofiles command. If the command fails, you can delete the profile using operating system commands.

Before you begin: If a node within a profile is federated to a deployment manager, before you delete the profile, stop the node and remove the node from the deployment manager.

Otherwise, an orphan node remains in the deployment manager.

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/tpro_removeprofile.html

NEW QUESTION 24

A system administrator has deployed an application. The development team has updated a new version of this application. The administrator needs to immediately deploy this updated application and guarantee that only this new edition is used by clients and that any service requests for the application are queued during the deployment of the new application.

How can the administrator achieve this task without any downtime to the application?

- A. Perform a soft rollout.
- B. Perform a hard rollout.
- C. Perform an atomic rollout.
- D. Perform a concurrent activation rollout.

Answer: C

Explanation: Performing an atomic rollout activates the new edition on half of the cluster first, and then activates the edition on the remaining half of the cluster.

While the first half of the cluster is taken offline and updated, application requests are routed to the second half of the cluster. Verify that half the cluster can handle the entire load during the rollout period.

References: <http://www.aiotestking.com/ibm/how-can-the-administrator-achieve-this-task-without-any-downtime-to-the-application/>

NEW QUESTION 25

A system administrator has created a Jython script that will run in WebSphere Network cell where administrative security is enabled. This script is named doUpdate.py and will be run by using the following:

```
wsadmin -connType RMI -f doUpdate.py
```

How can the administrator suppress a user/password prompt from appearing when this script is run?

Set the user and password in the:

- A. sas.client.props file.
- B. ssl.client.props file.
- C. soap.client.props file.
- D. wsadmin.properties file.

Answer: A

Explanation: The user Id and password needed for wsadmin to connect to a secured server can be supplied as command line options and in properties files. If used together, command line options take precedence over what is in the properties files. The properties files are located at Profile_root/properties.

If you use a Remote Method Invocation (RMI) connector or a JSR160RMI connector, set the following properties in the sas.client.props file with the appropriate values: com.ibm.CORBA.loginUserId=

com.ibm.CORBA.loginPassword=

References: https://www.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/txml_security.html

NEW QUESTION 29

A system administrator ran the backupConfig command to backup the configuration using the -nostop option. The administrator changed the properties for the service integration environment by modifying the sib.properties file. During testing the administrator noticed Service Integration Bus related errors and wanted to restore the service integration environment. The administrator used the restoreConfig command, but the tuning properties for the service integration environment were not restore.

How can the administrator prevent this issue?

- A. Use full repository checkpoint for both the backup and the restore.
- B. Use the restoreConfig command with -nostop for the restore.

- C. Use the manageprofiles command for both the backup and the restore.
- D. Use the backupConfig command without –nostop for the backup
- E. Use the restoreConfig command without –nostop for the restore.

Answer: A

Explanation: With the repository checkpoint and restore function, you can back up copies of files from the master configuration repository. You can use the backups to restore the configuration to a previous state if future configuration changes cause operational problems. By using this function, you can reduce recovery time for problems that are caused by configuration changes. Studies of unplanned outages have shown that as much as 36 percent of unplanned outages are due to operator errors. A common source of operator error is a bad configuration change. The ability to quickly undo a bad configuration change is critical to minimizing the outage window.
References: https://www.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/cwve_xdsochckpt.html

NEW QUESTION 30

A system administrator runs a Jython script that creates and configures several servers and realize that the script fails before completing. Although many tasks succeeded, they are rolled back when the script fails.
Before running the script again, what can the administrator add to the script after each task so the completed tasks are committed even if other tasks fail?

- A. AdminApp.update()
- B. AdminConfig.save()
- C. AdminControl.invoke(server, 'sync')
- D. AdminTask.backupJobManager('server')

Answer: B

Explanation: AdminConfig.save()to save changes after script execution.

NEW QUESTION 34

A system administrator needs to set a new Liberty profile environment to support an application.
What should the administrator do to enable this environment for high availability and scalability of the application?

- A. Define multiple server members in one collective controller.
- B. Define multiple servers in a cluster in one collective controller.
- C. Define multiple collective controllers within a Liberty collective.
- D. Define multiple server members in multiple collective controllers.

Answer: B

Explanation: Setting up Liberty server clusters

A Liberty can be configured into a server cluster for application high availability and scale. The collectiveController-1.0 feature and its capabilities are available only in multiple-server products such as WebSphere® Application Server Liberty Network Deployment and WebSphere Application Server Liberty for z/OS. The feature is not available in single- server products such as WebSphere Application Server Liberty, WebSphere Application Server Liberty - Express, or WebSphere Application Server Liberty Core. If you have a multiple-server product installation, you can use its collectiveController-1.0 feature to work with collective members from single-server products.

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.wlp.nd.doc/ae/cwlp_server_clusters.html

NEW QUESTION 36

A system administrator needs to install WebSphere Application Server Network Deployment V8.5.5 multiple times and would like to automate the task of installing the product. The administrator wants to create a response file based on an initial installation and use this for future installations.
How can the administrator accomplish this task?

- A. Use the IBM Packaging Utility.
- B. Use the Installation Manager console mode.
- C. Complete a silent installation with the –log option.
- D. Start the Installation Manager GUI with the –record option.

Answer: D

Explanation: Run the command to record a response file for the package installation. This command uses the -skipInstall <agentDataLocation> argument, which records the installation commands without installing the Tivoli Monitoring packages. Substitute your own file name and location for the response file. Verify that the file paths that you enter exist. Installation Manager does not create directories for the response file:
Windows: IBMIM -record <responseFile> -skipInstall <agentDataLocation> Unix/Linux: ./IBMIM -record <responseFile> -skipInstall <agentDataLocation>
References: https://www.ibm.com/support/knowledgecenter/SS4EKN_7.2.0/com.ibm.itm.doc_6.3/install/record_resp_file.htm

NEW QUESTION 38

A system administrator decides to use the advice from the Performance and Diagnostic Advisor to identify the optimum connection pool settings for data sources. In a cell, the data source db2datasource is defined under node scope and used by two servers from that node. The administrator receives two different sets of advice for db2datasource.
How should the administrator configure the data sources before reusing the Performance and Diagnostic Advisor?

- A. Create a data source of the same name under cell scope.
- B. Create a data source of the same name under server scope for each server.
- C. Increase the minimum connection pool size for the data source.

D. Decrease the maximum connection pool size for the data source.

Answer: B

Explanation: References: https://www.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/cprf_rpa.html

NEW QUESTION 43

A system administrator is required to create a star topology for multi-cell performance management for three WebSphere Application Server cells. How should the administrator configure the Application Placement Controller (APC) in a star topology? Configure the cell custom property CenterCell to:

- A. false in all three WebSphere Application Server cells.
- B. false in one WebSphere Application Server cell true in the other two WebSphere Application Server cells.
- C. true in all three WebSphere Application Server cells.
- D. true in one WebSphere Application Server cell false in the other two WebSphere Application Server cells.

Answer: D

NEW QUESTION 46

Which of the following comprises an initial Liberty profile server process?

- A. A single JVM, the Liberty kernel, and feature manager.
- B. A single JVM, and OSGI framework and an object request broker.
- C. an OSGI framework, a web container and an EJB container.
- D. AN administrative agent, the Liberty kernel and shared libraries.

Answer: A

Explanation: The server process comprises a single JVM, the Liberty kernel, and any number of optional features.
References: https://www.ibm.com/support/knowledgecenter/SSEQTP_8.5.5/com.ibm.websphere.wlp.doc/ae/cwlp_about.html

NEW QUESTION 49

A web application was deployed on a WebSphere Application Server cluster. While users are using the application, one of the cluster servers fails and the users lose their working data.

What can the system administrator configure to ensure users can continue to work if one of the cluster server fails?

- A. An increased session timeout.
- B. A cluster of external HTTP servers.
- C. A load balancer to spread work between existing servers.
- D. A WebSphere eXtreme Scale HTTP session management.

Answer: D

Explanation: WebSphere eXtreme Scale can dynamically process, partition, replicate, and manage application data and business logic across hundreds of servers. It provides transactional integrity and transparent fail-over to ensure high availability, high reliability, and consistent response times.
References: http://www.ibm.com/developerworks/websphere/techjournal/1301_ying/1301_ying.html

NEW QUESTION 53

A system administrator wants to learn some of the Jython scripting commands for the administration of the environment. Which product feature should the administrator use?

- A. The wsadmin.properties file to load a profile.
- B. The AdminTask object to generate wsadmin scripts.
- C. The guided activities panel from the Integrated Solutions Console (ISC).
- D. The “Log command assistance commands” option in the Integrated Solutions Console (ISC).

Answer: D

NEW QUESTION 54

A system administrator is configuring the security of a new environment. The administrator has been asked to configure one LDAP server that has different sub-trees for business users and administration users.

What should the administrator do to implement the required security configuration?

- A. Install and configure a TAI (Trust Association Interceptor)
- B. Configure a security domain for the stand-alone LDAP server.
- C. Use Federated repositories and configure the supported entity types.
- D. Use Stand-alone custom registry and configure the flat file implementation.

Answer: C

NEW QUESTION 59

Which one of the following options describes the runtime flow starting from the client browser in a clustered WebSphere Application Server Network Deployment

topology?

- A. HTTP server -> job manager -> admin agent -> HTTP server plug-in
- B. Load balancer -> HTTP server -> HTTP server plug-in -> application server
- C. Application server -> node agent -> deployment manager -> load balancer
- D. Deployment manager -> node agent -> HTTP server plug-in -> HTTP server

Answer: B

NEW QUESTION 62

A JAX-WS EJB stateless session bean web service needs to be accessed by consumers outside the corporate domain. Which configuration will help a system administrator meet the requirement?

- A. Open firewall ports for both bootstrap and orb listener ports within the cell.
- B. Configure plug-in in the DMZ to send request to the cluster members.
- C. Configure on demand router (ODR) in the DMZ to send requests to the cluster members.
- D. Configure HTTP tunneling to send the client-side Object Request Broker (ORB) request to the server-side ORB.

Answer: A

NEW QUESTION 63

A system administrator has been asked to uninstall an application from a cluster running in a WebSphere Application Server Network Deployment cell. This application was installed from the Integrated Solutions Console (ISC). The monitored directory for the cluster is <cluster1_dir>.

What step(s) can the administrator perform to uninstall the application?

- A. Delete the application file from <cluster1_dir>.
- B. Stop the running cluster.Delete the application file from <cluster1_dir>.
- C. Stop the running cluster.Copy the application file to <cluster1_dir>.Delete the application file from <cluster1_dir>.
- D. Create a properties file to describe the deletion of the application file.Copy the properties file to <cluster1_dir>.

Answer: D

Explanation: You can use application properties files to install enterprise application files on a server or cluster, update deployed applications or modules, or uninstall deployed applications or modules. Drag or copy a properties file to a monitored directory and the product performs the deployment action described in the properties file. The enterprise application files that you can install, update, or uninstall using properties files include enterprise archive (EAR), web archive (WAR), Java archive (JAR), and Session Initiation Protocol (SIP) archive (SAR) files.

References: https://www.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.mul.tiplatform.doc/ae/trun_app_install_dragdrop_prop.html

NEW QUESTION 67

A system administrator has installed WebSphere Application Server Network Deployment V8.5.5 using the silent installation process and needs to verify that the installation completed successfully.

What does the administrator need to do to verify a successful installation?

- A. Launch the Installation Manager GUI, verify the installation by going to File -> View Installed Packages.
- B. Run the command IBMIM listInstalledPackages and check that the appropriate WebSphere Application Server package is listed.
- C. Check for INSTCONFSUCCESS message at the end of the <WebSphere Application Server install directory><log directory>log.txt file.
- D. Use the installver command to compare the checksum of the product file to the correct checksum value in the bill-of-materials file and make sure that the checksums match.

Answer: A

Explanation: You can verify successful installation of the product using the capabilities of IBM Installation Manager.

To verify installation of the product, you can use Installation Manager to find the product in the list of installed packages.

Perform one of the following actions:

* Launch the Installation Manager GUI, and verify the installation by going to File -> View Installed Packages.

Or

* Change the directory to the eclipse/tools subdirectory of the Installation Manager binaries location and run this command:

[AIX][HP-UX][Linux][Solaris]: ./imcl listInstalledPackages [Windows] imcl.exe listInstalledPackages

This will display a list indicating which packages this Installation Manager has installed. For example:

com.ibm.websphere.ND.v85_8.5.0.20110203_0234

NEW QUESTION 69

The application placement controller has been configured with elasticity mode enabled. Intermittently, all instances of a dynamic cluster are removed. After further review, the system administrator noticed that it occurs during peak load on another dynamic cluster.

The administrator wants to keep at least one instance available. Which configuration is needed in the dynamic clusters?

- A. Enable application lazy start with elasticity mode.
- B. Set the proactivelyIdleStop custom property to true.
- C. Set the Number of instances to a value greater than zero.
- D. Disable the option "If other dynamic clusters need resources, stop all instances of this cluster during periods of inactivity".

Answer: D

Explanation: It is not recommended to enable elasticity mode when the following option is set in the administrative console for one or more dynamic clusters:

If other dynamic clusters need resources, stop all instances of this cluster during periods of inactivity.

If you have elasticity mode enabled and the option set, the application placement controller can remove all of the custom nodes in the cell.

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/twve_cfgelastic.html

NEW QUESTION 72

A system administrator needs to view the list of certificates for unmanaged web server located on a remote system. How should the administrator do this?

- A. View the plugin-cfg.xml
- B. Look at the SSL configuration in the httpd.conf
- C. Use iKeyman to view the keyring.
- D. Use the administrative console to check the content of the cell default keystore.

Answer: C

Explanation: You do not have a secure network connection until you have created a key for secure network communications and received a certificate from a certificate authority (CA) who is designated as a trusted CA on your server. Use IKEYMAN to create the key database file, public-private key pair, and certificate request. After you receive the CA-signed certificate, use IKEYMAN to receive the certificate into the key database where you created the original certificate request.

References: <http://www-01.ibm.com/software/webservers/htpservers/doc/v10/ibm/9atikeyu.htm>

NEW QUESTION 75

A system administrator is tasked with monitoring the overall health of the WebSphere environment to be able to tune the environment properly. Specifically, the administrator was asked to:

Which PMI modules can the administrator examine to obtain this data?

- A. Number of requests, Java virtual memory, Average response time
- B. Number of requests, Average response time, Web server thread pools
- C. Average response time, Java virtual memory, Number of Live HTTP Sessions
- D. Average response time, Web server thread pools, Number of Live HTTP Sessions

Answer: C

Explanation: Monitoring overall system health. To monitor overall system health, monitor the following statistics at a minimum:

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/tpvf_monitoringhealth.html

NEW QUESTION 76

A system administrator has configured a network deployment cell containing multiple nodes and global security enabled with an LDAP repository. To increase capacity, the administrator needs to add additional nodes to the cell. After adding the nodes by using both scripts and the Integrated Solutions Console (ISC), the administrator examines the System.out log for the deployment manager and notices the following message:

```
0000004d ORBRas E com.ibm.ws.security.orbssl.WSSSLClientSocketFactoryImpl
createSSLSocket ProcessDiscovery : 0 JSSL0080E:
javax.net.ssl.SSLHandshakeException -
The client and server could not negotiate the desired level of security.
Reason?com.ibm.jsse2.util.h: No trusted certificate found
```

How can the administrator resolve this problem?

- A. Disable Java 2 security.
- B. Restart the deployment manager.
- C. Increase the RSA token timeout value.
- D. Change the number of active LTPA keys.

Answer: B

Explanation: When nodes are added while LDAP security is enabled, the following exception is generated in the deployment manager System.out log under certain circumstances. If this happens, restart the deployment manager to resolve the problem.

```
0000004d ORBRas E com.ibm.ws.security.orbssl.WSSSLClientSocketFactoryImpl createSSLSocket ProcessDiscovery : 0 JSSL0080E:
javax.net.ssl.SSLHandshakeException -
```

The client and server could not negotiate the desired level of security. Reason?com.ibm.jsse2.util.h: No trusted certificate found

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.0.0/com.ibm.websphere.nd.doc/info/ae/ae/tagt_svr_conf_nodes.html

NEW QUESTION 81

A system administrator was asked by the development team to inform them of any warning message which contains a string “Connection” on a WebSphere Application Server with High Performance Extensible Logging (HPEL) enabled.

- A. Configure log detail levels to include filter on “Connection” string.
- B. Use the Log Viewer in the administrative console with filter on “Connection” string.
- C. Use the logviewer.sh or logviewer.bat command with appropriate options.
- D. Use the Log Viewer in the administrative console with filter on “Connection” string and enable the “Refresh automatically” feature.

Answer: C

Explanation: The High Performance Extensible Logging (HPEL) facility writes to the log and trace repositories in a binary format. You can view, query and filter the repository using the LogViewer command.

logviewer.sh -monitor -includeLoggers Connection

-monitor [integer] Specifies that you want the logViewer to continuously monitor the repository and output new log record entries as they are created. You can provide an optional integer argument after this parameter to specify how often you want the LogViewer tool to query the repository for new records. By default the logViewer queries the repository for new records every 5 seconds. When used with other filtering options, only those new records that match the filter criteria are displayed.

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/rtrb_logviewer.html

NEW QUESTION 86

A WebSphere system administrator needs to install the Installation Manager (IM) on an unmanaged node on a host named <machine2>. The deployment manager is running on a host named <machine1>.

What step must the administrator take before submitting a job from the Integrated Solutions Console (ISC) to install the IM on <machine2>?

- A. Install a node agent on <machine2>.
- B. Install the job manager on <machine1>.
- C. Start the job manager on <machine1>.
- D. Register <machine2> as a target for job manager.

Answer: D

Explanation: Submitting jobs to install Installation Manager on remote hosts

In a flexible management environment, you can submit the Install IBM Installation Manager job to install the Installation Manager on registered hosts of the job manager.

References: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.installation.zseries.doc/ae/tagt_jobmgr_install_im.html

NEW QUESTION 88

A system administrator has added a server cluster as a member of a service integration bus (SIB). The administrator needs to configure one messaging engine for each server in this cluster and to have a failover location for each messaging engine.

What should the administrator do to achieve the required design?

- A. Configure a new messaging engine in each server to support failover.
- B. Configure the data store for each messaging engine for each server in the cluster.
- C. Select scalability with high availability as the messaging engine policy.
- D. Create a core group policy to restrict each messaging engine to a particular server.

Answer: C

Explanation: The scalability with high availability configuration ensures that there is a messaging engine for each server in a cluster, and that each messaging engine has a failover location.

http://www-01.ibm.com/support/knowledgecenter/SSCKBL_8.5.5/com.ibm.websphere.nd.doc/ae/cjt10_04_.html (second paragraph)

NEW QUESTION 91

A system administrator needs to configure a JDBC provider and a data source for an application in a clustered environment. The administrator also needs to copy the JDBC drivers from the database server to the application server machines.

How can the administrator meet these requirements?

- A. Create a JDBC provider and the data source in the cluster scope. Copy the driver to all nodes. Set the environment variable at the node level to the driver's path.
- B. Create a JDBC provider in the server scope and the data source in the node scope. Copy the driver to all application servers. Set the environment variable at the node level to the driver's path.
- C. Create a JDBC provider in the node scope and the data source in the cell scope. Copy the driver to the deployment manager. Set the environment variable at the server level to point to the deployment manager path.
- D. Create a JDBC provider in the application scope and the data source in the server scope. Copy the driver to all application server directories. Set the environment variable in each JVM to the driver's path.

Answer: A

NEW QUESTION 92

A system administrator is asked by a development team to monitor the performance of a newly deployed EJB application. The administrator noticed that the heap size of the application server is growing.

What should the administrator do to fix the problem using ORB settings?

- A. Use J2EE managed object MBeans.
- B. Enable the pass by reference option.
- C. Disable the application scoped resources in the application deployment descriptor.
- D. Ensure that Process embedded configurations is not selected when exporting the EAR.

Answer: B

Explanation: The Object Request Broker (ORB) pass by reference option determines if pass by reference or pass by value semantics should be used when handling parameter objects involved in an EJB request. This option can be found in the administrative console by navigating to Servers => Application Servers => server_name => Object Request Broker (ORB). By default, this option is disabled and a copy of each parameter object is made and passed to the invoked EJB method. This is considerably more expensive than passing a simple reference to the existing parameter object.

References: https://www.ibm.com/developerworks/websphere/techjournal/0909_blythe/0909_blythe.htm#sec3e

NEW QUESTION 97

A new cell contains a cluster with members defined in two managed nodes running on two different machines. The cell also contains two unmanaged nodes

running on HTTP servers with HTTP plug-in. Session persistence has been enabled.

Which additional component(s) can the system administrator configure to make this environment highly available?

- A. Enable administrative security.
- B. Configure a DMZ secure proxy.
- C. Configure High Performance Extensible Logging.
- D. Configure primary and backup load balancers for the HTTP servers.

Answer: D

NEW QUESTION 101

There are many applications deployed in a large WebSphere Application Server cluster. A system administrator is required to give Configurator role access to a developer for a single application deployed in that cluster.

How should the administrator meet this requirement and restrict Configurator role access for a single application?

- A. Create a J2C authentication alias for that developer.
- B. Create an Administrative user role and provide Configurator access to the developer.
- C. Create an Administrative group role and provide Configurator access to the developer.
- D. Create an administrative authorization group, scope it only for that application and create an Administrative user or group role to give Configurator access to the developer.

Answer: D

Explanation: Fine-grained administrative security

In releases prior to WebSphere® Application Server version 6.1, users granted administrative roles could administer all of the resources under the cell.

WebSphere Application Server is now more fine-grained, meaning that access can be granted to each user per resource.

For example, users can be granted configurator access to a specific instance of a resource only (an application, an application server or a node).

To achieve this instance-based security or fine-grained security, resources that require the same privileges are placed in a group called the administrative authorization group or authorization group. Users can be granted access to the authorization group by assigning to them the required administrative role.

References: [http://www-](http://www-01.ibm.com/support/knowledgecenter/SSEQTP_8.5.5/com.ibm.websphere.base.doc/ae/csec_fineg_admsec.html?cp=SSEQTP_8.5.5%2F1-8-1-30-3-3)

01.ibm.com/support/knowledgecenter/SSEQTP_8.5.5/com.ibm.websphere.base.doc/ae/csec_fineg_admsec.html?cp=SSEQTP_8.5.5%2F1-8-1-30-3-3

NEW QUESTION 102

An EJB application posts a request message into a JMS destination and waits for a response message on a different JMS destination. To correlate the response message to the request message, the application uses the JMS correlationId of the message. The application waits up to five seconds for a response before timing out the request.

A Message Driven Bean (MDB) running on a different cluster is responsible for consuming the request message, process it and post a response message.

The destinations are defined in a Service Integration Bus (SIB) within the cell.

Intermittent timeout exceptions have occurred for the requester application. How can a system administrator correlate and analyze the debug information from both requester and consumer applications?

- A. Enable High Performance Extensible Logging (HPEL). Use HPEL logViewer command to see debug information.
- B. Enable a diagnostic trace in both requester and consumer servers. Use the Integrated Solutions Console (ISC) to set the admin=all trace. Analyze the trace.
- C. Enable High Performance Extensible Logging (HPEL). Enable Cross Component Trace (XCT) to include request IDs in log and trace records. Use HPEL logViewer command with appropriate filters to see debug information.
- D. Using the Integrated Solutions Console (ISC), browse the request message that has timed out and look for any key application data. Search for exceptions using the key application data in both requester and consumer in native_stderr.log and native_stdout.log.

Answer: C

Explanation: Cross Component Trace (XCT) annotates the logs so that log entries that are related to a request that is serviced by more than one thread, process, or even server are identified as

belonging to the same unit of work. XCT helps identify the root cause of problems across components.

References: WebSphere Application Server V8.5 Administration and Configuration Guide for the Full Profile (July 2013), page 1091

NEW QUESTION 105

A system administrator in a bank was asked by business users to determine the most accessed JSP page in a web application at normal work load for marketing purpose.

Which tool should the administrator use to find the most used JSP page?

- A. Performance and Diagnostic Advisor
- B. IBM Support Assistant Data Collector
- C. High Performance Extensible Logging Log Viewer
- D. Tivoli Performance Viewer (TPV) summary reports

Answer: D

Explanation: Summary reports are available for each application server.

Tivoli Performance Viewer provides the following summary reports for each application server:

The servlet summary lists all servlets that are running in the current application server. Use the servlet summary view to quickly find the servlet that consumes the most time and the applications that use them, and to determine which servlets are invoked most often.

Etc. References:

https://www.ibm.com/support/knowledgecenter/SSEQTJ_8.5.5/com.ibm.websphere.base.doc/ae/uprf_tpvserverview.html

NEW QUESTION 108

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