

Exam Questions C9510-418

IBM WebSphere Application Server Network Deployment V9.0 Core Administration

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NEW QUESTION 1

Which is true about software repositories for IBM Installation Manager?

- A. Repositories must be local.
- B. Repositories must be online.
- C. Repositories can be either local or online.
- D. Repositories are only in the media package.

Answer: C

Explanation: IBM Installation Manager is a single installation program that can use remote or local software repositories to install, modify, or update certain IBM products. It determines and shows available packages, checks prerequisites and interdependencies, and installs or modifies the selected packages. You also use IBM Installation Manager to uninstall the packages that it installed.

References: <http://www-01.ibm.com/support/docview.wss?uid=swg24023498>

NEW QUESTION 2

Which of the following is true about creating multiple security domains?

- A. A new security domain can be created only using the administrative console.
- B. Global security must be enabled before creating new multiple security domains.
- C. Only users assigned to the security-admin role can create new multiple security domains.
- D. If a unique name for the domain is not specified, the system will automatically create one.

Answer: C

Explanation: Only users assigned to the administrator role can configure multiple security domains.

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

NEW QUESTION 3

Which statement describes the capabilities of the deployment manager?

- A. Logical grouping of application servers
- B. Created and installed when a node is federated into a cell
- C. Created automatically when an application server is federated into a cell
- D. Manages nodes, node agents, and the configuration repository for the cell

Answer: D

Explanation: The deployment manager is an administration application that runs in a special application server, which is created when you install the WebSphere Application Server Network Deployment product or when you create a management profile using the deployment manager profile template.

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

NEW QUESTION 4

An administrator installed an enterprise application in fast mode and noticed that the application is failing because J2EE roles have not been mapped. How can this issue be resolved?

- A. Re-deploy the application.
- B. Request that the application developer create an enhanced .ear file which has roles mapped, and deploy the enhanced .ear file.
- C. Map a security role to the user/group for the application using the Integrated Solutions Console, save changes, and restart the application.
- D. Map a security role to the user runAs roles for the application using the Integrated Solutions Console, save changes, and restart the application.

Answer: C

Explanation: WSRR defines J2EE roles that must be mapped to user or group principals. This can be done by using the WebSphere Administration Console

References: https://www.ibm.com/support/knowledgecenter/en/SSWLGF_8.5.6/com.ibm.sr.doc/twsr_confign_userroles08.html

NEW QUESTION 5

An administrator notices that the Message Driven Beans (MDBs) are slow to complete, and decides to increase the 'Maximum concurrent MDB invocations per endpoint'.

Which thread pool should be tuned to ensure it can run the maximum number of MDBs without waiting?

- A. Default
- B. WebContainer
- C. SIBJMSRAThreadPool
- D. WMQJCAResourceAdapter

Answer: D

Explanation: The thread pool WMQJCAResourceAdapter is referenced by the WebSphere MQ (WMQ) resource adapter inbound delivery to MDB's. When WebSphere MQ resource adapter is used in conjunction with the activation specs, the resource adapter's Work Manager uses the values defined for the WMQJCAResourceAdapter for utilizing the total number of threads defined.

Ideally the default values provides for the WMQJCAResourceAdapter will be sufficient for the resource adapter. But in case there is an heavy load on the system

processing huge number of messages, you can increase the maximum number of threads the thread pool can hold.
References:<http://www-01.ibm.com/support/docview.wss?uid=swg21383363>

NEW QUESTION 6

What determines which On Demand Routers (ODRs) a Web server forwards requests to?

- A. The default order in theODR_Module_Routing_Poolicy.xml.
- B. The configuration scope determines which ODRs are included inhttpd.conf.
- C. The configuration scope determines which ODRs are included inplugin-cfg.xml.
- D. The configuration scope determines which ODRs are included inHTTPplugin-cfg.xml.

Answer: C

Explanation: In a topology with a web server which forwards requests to an on demand router (ODR), the ODR can be set to dynamically generate and update the web server plug-in configuration file plugin-cfg.xml. By configuring an ODR to dynamically update plugin- cfg.xml, you avoid manually updating the file during administrative actions, which can affect the content.

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

NEW QUESTION 7

When deploying a new edition of an application, which edition rollout configuration option should be used to ensure that the two editions of the application are not active at the same time?

- A. Atomic
- B. Grouped
- C. Soft reset
- D. Hard reset

Answer: A

Explanation: Performing an atomic rollout to an edition replaces an edition on half of the cluster at a time to serve all user requests with a consistent edition of the application. All user requests are served by either the previous or the new edition; user requests are never served by both editions.

An atomic rollout ensures that all application requests are served by a consistent edition, for example, either edition 1.0 or 2.0, but not by both.

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

NEW QUESTION 8

When verbose Garbage Collection is enabled, in which file(s) does the operating system collect the data?

- A. trace.log
- B. activity.log
- C. SystemOut.logandSystemErr.log
- D. native_stdout.logandnative_stderr.log

Answer: D

Explanation: Depending on the operating system in use, the verboseGC output will be written to the following file by default:

AIX, Linux, or Windows: native_stderr.log Solaris or HP-UX native_stdout.log

References:<http://www-01.ibm.com/support/docview.wss?uid=swg21114927>

NEW QUESTION 9

Assuming there are no custom properties defined in current plugin-cfg.xml file, what should be done before running the GenPluginCfg command?

- A. Delete the globalplugin-cfg.xmlin the<profile_root>/config/cellsdirectory.
- B. Delete the currentplugin-cfg.xmlin the<profile_root>/config/cellsdirectory.
- C. CleartheEnable automated web server configuration processingoption in the web server plugin configuration service.
- D. Use either the Integrated Solutions Console or theConfigurewebServerDefinition.jaclscript to create a web server definition.

Answer: B

Explanation: Delete the plugin-cfg.xml file in the profile_root/config/cells directory before you use theGenPluginCfgcommand. Otherwise, configuration changes do not persist to the plugin- cfg.xml file. However, do not delete the plugin-cfg.xml file if you have custom properties that you previously set in it that you need to persist.

Note:You can update the global plugin-cfg.xml file using the administrative console or running the GenPluginCfg command for all of the clusters in a cell. However, you must delete the config/cells/plugin-cfg.xml file before you update the global plugin-cfg.xml file. If you do not delete the config/cells/plugin-cfg.xml file, only the new properties and their values are added to the global plugin-cfg.xml file. Any updates to existing plug-in property values are not added to the global plugin-cfg.xml file.

References:https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/rxml_genplugincfg1.html

NEW QUESTION 10

Which of the following is true regarding disk offload?

- A. The amount of disk space to use cannot be specified.

- B. On server startup, DynaCache loads the entire disk cache into memory.
- C. The number of cache entries that are offloaded to disk cannot be specified.
- D. Disk offload can be enabled to have a cache entry copied to the file system at a configurable location.

Answer: ACD

Explanation: AC: Before you enable disk offload, consider the following:

You cannot specify the number of cache entries that are offloaded to disk. You cannot specify the amount of disk space to use.

D: You can enable disk offload to have a cache entry copied to the file system (the location is configurable).

References: https://www.ibm.com/support/knowledgecenter/SSEQTP_9.0.0/com.ibm.websphere.base.doc/ae/udyn_rcachesettings.html

NEW QUESTION 10

Which two methods are used for communicating session linkages between the client and the server? (Select two.)

- A. Cookies
- B. LTPA Token
- C. Rest Services
- D. URL Rewriting
- E. HTTP Response codes

Answer: CE

Explanation: Representational State Transfer (REST) is a lightweight framework for designing

applications that use HTTP to make calls. REST uses HTTP to perform the Create, Read, Update, and Delete (CRUD) operations between client and server.

Applications interact with the services by using HTTP, POST, PUT, GET, and DELETE operations.

References: https://www.ibm.com/support/knowledgecenter/en/SSZLC2_7.0.0/com.ibm.commerce.webservices.doc/concepts/cwvrest.htm

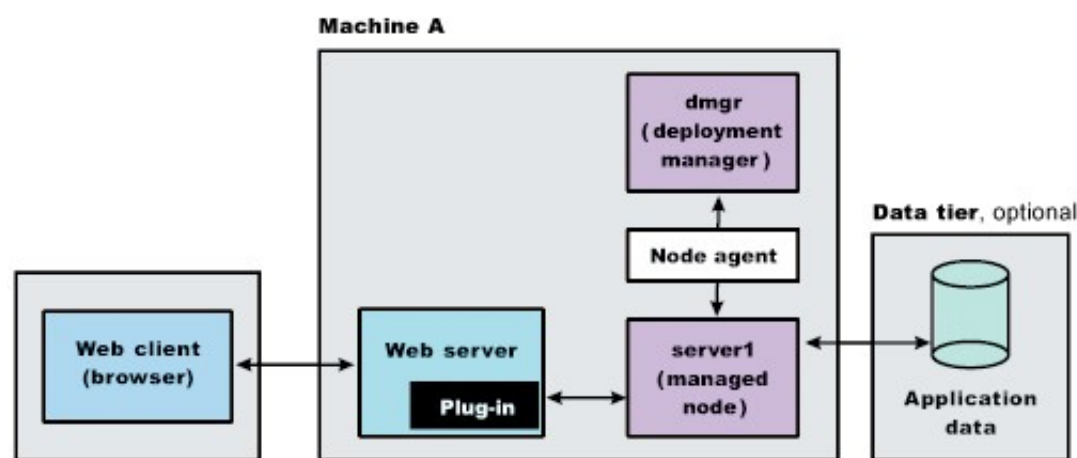
NEW QUESTION 15

Which two statements describe a web server in a cell topology?

- A. Creating a new node for a web server adds a managed node.
- B. Creating a new node for a web server adds an unmanaged node.
- C. Adding a web server to an existing node created a managed node.
- D. Deleting a web server from an unmanaged node creates a managed node.
- E. Deleting a web server from a managed node creates an unmanaged node.

Answer: AE

Explanation: A managed node must exist to define a Web server definition, which is always on a managed node.



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

NEW QUESTION 19

Which of the following is a prerequisite for configuring single sign-on for authentication using LTPA cookies?

- A. All servers must use the same IBM HTTP Server.
- B. All servers must be configured as part of the same DNS domain.
- C. All servers must use an IBM Domino Directory that is configured for LDAP access.
- D. All servers must be managed by the same IBM WebSphere Application Server Deployment Manager.

Answer: B

Explanation: To take advantage of support for SSO between WebSphere Application Servers or between WebSphere Application Server and a Domino server, applications must meet the following prerequisites and conditions:

* Verify that all servers are configured as part of the same DNS domain.

* Etc.

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

NEW QUESTION 24

What are two automated administrative tasks that can be done with configuration checkpoints? (Select two.)

- A. delete
- B. restore
- C. archive
- D. backup
- E. compress

Answer: AD

Explanation: If you want to preserve delta checkpoints, you must archive checkpoints before they are automatically deleted. A delta checkpoint is created automatically by the product each time a configuration change is made.

NEW QUESTION 27

What is one way to determine if administrative security for IBM WebSphere Application Server is disabled when logging into the Integrated Solutions Console?

- A. A user is not forced to use HTTPS (SSL).
- B. An administrator is allowed to type any random password.
- C. An administrator is prompted for user name, but not password.
- D. When the username wasadmin is used to log in, the password used is the default "password".

Answer: C

Explanation: Congratulations! You have successfully manually disabled Global Security for your IBM WebSphere Application Server instance. You should now be able to access the WAS Integrated Solutions Console (ISC) without having to specify a password.

References: <http://www-01.ibm.com/support/docview.wss?uid=nas8N1012744>

NEW QUESTION 28

In addition to logging changes, what can Cross Component Trace capture?

- A. The user agent of the browser that has initiated the request.
- B. The last time that the component was updated by a code deploy.
- C. The time that the component was started in the application server.
- D. Data snapshots that store entire request and response bodies on the file system.

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 log records are typically added to the logs to:

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

NEW QUESTION 33

What must be done to delete one or more files from an application when using a partial application update?

- A. Manually delete the files from the file system (on all nodes if clustered).
- B. Supply the paths to the files that should be deleted in the administrative console.
- C. Include a META-INF/ibm-partialapp-delete.props in the partial application update file.
- D. Select the files that need to be deleted in the file selector section of the form for the partial application update.

Answer: C

Explanation: If you want to delete application files when you deploy a partial application update, you must first supply a special metadata file called META-INF/ibm-partialapp-delete.props in the partial application compressed file before you continue with the following procedure. Etc.

References: https://www.ibm.com/support/knowledgecenter/en/SSZLC2_8.0.0/com.ibm.commerce.developer.doc/tasks/tdpdeploying_j2ee_assets_partial.htm

NEW QUESTION 36

How can an administrator configure Web services security?

- A. Customize WS-Security policy set and bindings and attach to Web services.
- B. Configure global security with LDAP authentication and map the configuration to Web services.
- C. Request application developer to use Web Services Security API to achieve Web services security.
- D. Enable the Web Services Metadata Exchange (WS-MetadataExchange) protocol to enable message-level security.

Answer: C

Explanation: The Web Services Security specification provides a flexible framework for building secure web services to implement message content integrity and confidentiality. The Web Services Security service programming model supports this flexible framework by providing extension points to integrate new token formats, and methods to obtain keys needed for message protection. The application server programming model provides Web Services Security programming application programming interfaces (WSS API) for securing SOAP messages.

Note: WS-Security is a message-level standard that is based on securing SOAP messages through XML digital signature, confidentiality through XML encryption, and credential propagation through security tokens. The Web services security specification defines the facilities for protecting the integrity and confidentiality of a message and provides mechanisms for associating security-related claims with the message.

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

NEW QUESTION 41

What is one of the benefits of using a federated repository over a user registry?

- A. Does not support identity profiles
- B. Supports only one registry in a realm
- C. Supports multiple registries within a realm
- D. Provides account and password policy support

Answer: C

Explanation: Federated repositories enable you to use multiple repositories with WebSphere® Application Server. These repositories, which can be file-based repositories, LDAP repositories, or a sub-tree of an LDAP repository, are defined and theoretically combined under a single realm. All of the user repositories that are configured under the federated repository functionality are invisible to WebSphere Application Server.

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

NEW QUESTION 46

When adding a repository to a federated repository configuration, which type of repository can be added only using wsadmin commands?

- A. File repository
- B. LDAP repository
- C. SAML repository
- D. Database repository

Answer: D

Explanation: Federated repositories

Supports multiple types of repositories such as file-based, LDAP, database, and custom. In WebSphere Application Server Version 8.5, file-based and LDAP repositories are supported by the administrative console. For database and custom repositories, you can use the wsadmin command-line interface or the configuration application programming interfaces (API).

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

NEW QUESTION 50

Which tool can be used to collect data to be used for monitoring and tuning the environment?

- A. Thread and Monitor Dump Analyzer
- B. Performance Monitoring Infrastructure
- C. IBM Tivoli Performance Viewer Advisor
- D. Garbage Collection and Memory Visualizer

Answer: B

Explanation: WebSphere Application Server provides Performance Monitoring Infrastructure (PMI) data to help monitor the overall health of the WebSphere Application Server environment. PMI provides average statistics on WebSphere Application Server resources, application resources, and system metrics. Many statistics are available in WebSphere Application Server, and you might want to understand the ones that most directly measure your site's resources to detect problems.

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

NEW QUESTION 54

Which of the following gives clues when comparing traces from different processes and correlating events of different servers in the same data center?

- A. Thread ID
- B. Timestamp
- C. Message ID
- D. Exception from top of stack trace

Answer: B

Explanation: Reading a Trace File

References: ftp://ftp.software.ibm.com/software/iea/content/com.ibm.iea.was_v6/waspguide/6.0/GeneralPD/SW5706G04_Techniques.pdf, page 26

NEW QUESTION 57

In an IBM WebSphere Application Server cluster, an administrator notices EJB requests are not evenly distributed on the cluster members during the load test. What two things can the administrator verify in order to identify and resolve the issue? (Select two.)

- A. Ensure Dynamic Workload Management is enabled.
- B. Ensure host scoped routing optimization is enabled.
- C. Ensure PMI Workload Management counters are enabled.
- D. Ensure each server in the cluster has an equal weighted value.
- E. Ensure the Web server plug-in is using the round robin algorithm.

Answer: AD

Explanation: A: Workload management optimizes the distribution of client processing tasks. Incoming work requests are distributed to the application servers,

enterprise beans, servlets, and other objects that can most effectively process the requests.

D: The server weighted round robin routing policy ensures a balanced routing distribution based on the set of server weights that have been assigned to the members of a cluster. For example, if all servers in the cluster have the same weight, the expected distribution for the cluster is that all servers receive the same number of requests. If the weights for the servers are not equal, the distribution mechanism sends more requests to the higher weight value servers than the lower weight value servers. The policy ensures the distribution that you want, based on the weights that are assigned to the cluster members.

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

NEW QUESTION 59

Which of the following is required for Secure Sockets Layer (SSL) enablement within an HTTP server?

- A. AJDK
- B. A valid, issued certificate
- C. IPv6 (Internet Protocol Version 6)
- D. Updating thehttps.conf file and not thehttpd.conf file

Answer: B

Explanation: The iKeyman GUI, which is included within the IBM HTTP Server distribution, can be used to create a key database file (for example: key.kdb) needed to store personal server certificates required by the client browser during an SSL handshake.

NEW QUESTION 61

What must be modified to configure the authentication settings for IIOP requests?

- A. Bus security settings
- B. J2C authentication settings
- C. Session Initiation Protocol (SIP) authentication settings
- D. Common Secure Interoperability Version 2 (CSIV2) settings

Answer: D

Explanation: WebSphere Application Server can propagate attributes directly as part of theCSlv2 protocol for RMI/IIOP requests.

References:https://www.ibm.com/developerworks/websphere/techjournal/0508_benantar/0508_benantar.html

NEW QUESTION 63

How can the administrator change the console session expiration for the Integrated Solutions Console?

- A. Modify timeout value and run thetimeout.javascript.
- B. Set the timeout value in the Console Preferences panel.
- C. Use thesettimeout wsadmincommand and specify the value.
- D. Set theConnectionResponseTimeoutvalue in the Integrated Solutions Console.

Answer: A

Explanation: Change the <timeout value> on the two lines of thetimeout.javascript to the new session expiration value. This number specifies the number of minutes the console preserves the session during inactivity.

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

NEW QUESTION 64

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