



IBM C9510-401

**IBM WebSphere Application Server Network Deployment and Liberty
Profile System Administration Certification Questions & Answers**

Exam Summary – Syllabus – Questions

C9510-401

**IBM Certified System Administrator - WebSphere Application Server Network Deployment V8.5.5
and Liberty Profile**

65 Questions Exam – 58% Cut Score – Duration of 120 minutes

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Know Your C9510-401 Certification Well:

The C9510-401 is best suitable for candidates who want to gain knowledge in the IBM Cloud - Management and Platform. Before you start your C9510-401 preparation you may struggle to get all the crucial WebSphere Application Server Network Deployment and Liberty Profile System Administration materials like C9510-401 syllabus, sample questions, study guide.

But don't worry the C9510-401 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the C9510-401 syllabus?
- How many questions are there in the C9510-401 exam?
- Which Practice test would help me to pass the C9510-401 exam at the first attempt?

Passing the C9510-401 exam makes you IBM Certified System Administrator - WebSphere Application Server Network Deployment V8.5.5 and Liberty Profile. Having the WebSphere Application Server Network Deployment and Liberty Profile System Administration certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

IBM C9510-401 WebSphere Application Server Network Deployment and Liberty Profile System Administration Certification Details:

Exam Name	IBM Certified System Administrator - WebSphere Application Server Network Deployment V8.5.5 and Liberty Profile
Exam Code	C9510-401
Exam Price	\$200 (USD)
Duration	120 mins
Number of Questions	65
Passing Score	58%
Books / Training	WebSphere Application Server V9 Administration
Schedule Exam	Pearson VUE
Sample Questions	IBM WebSphere Application Server Network Deployment and Liberty Profile System Administration Sample Questions
Practice Exam	IBM C9510-401 Certification Practice Exam

C9510-401 Syllabus:

Topic	Details	Weights
Architecture	<ul style="list-style-type: none"> - Identify the components and services in a WebSphere Application Server configuration and describe how they are related or interact. - Design various WebSphere Application Server topologies, for example, flexible management, intelligent management, mixed platform topology, network deployment cells, Liberty collectives, and ODR. - Analyze appropriate design considerations when architecting topologies to achieve security, scalability, performance and fault tolerance. - Demonstrate an understanding of how requests traverse various WebSphere Application Server topologies. - Demonstrate an understanding of the administration activities for a network deployment cell including the flexible management components. - Identify and describe the components of the WebSphere Application Server Liberty profile. 	11%
Product Installation, Configuration and Maintenance	<ul style="list-style-type: none"> - Demonstrate an understanding of the IBM Installation Manager and IBM Packaging Utility and its role in installing, configuring, and maintaining WebSphere application servers and components both locally and remotely. - Perform a silent installation process for WebSphere Application Server and fix pack installations. - Perform pre and post installation verification. - Troubleshoot installation problems. - Create and manage Full and Liberty profiles. - Manage nodes in a WebSphere topology, for example, managed, unmanaged nodes, flexible management and network deployment cell. - Backup and restore configuration including the use of checkpoints. 	15%
Application Management (Assembly, Deployment and Configuration)	<ul style="list-style-type: none"> - Explain the structure of enterprise applications, web applications, and business level applications. - Deploy applications to a WebSphere Application Server environment. - Configure resources, for example, data sources, JNDI, class paths, J2C providers, as required by an application. - Use the IBM Rational Application Developer for WebSphere Software or the IBM WebSphere Application Server Developer Tools for Eclipse to examine and manipulate applications. 	9%

Topic	Details	Weights
	<ul style="list-style-type: none"> - Demonstrate an understanding of the administrative tasks required to take an application deployed to the Liberty profile and deploy it in a WebSphere Application Server Network Deployment environment. 	
Administrative Tools	<ul style="list-style-type: none"> - Illustrate the usage of the Integrated Solutions Console (ISC) and its various tools (e.g., command assistance, runtime messages). - Use the standard set of command line administrative tools such as wsadmin, profile management and plug-in generation. - Use the capabilities of the Job Manager tooling including the submission of Liberty profile jobs. - Use scripting to perform administrative tasks, for example, scripting libraries, ws_ant, wsadmin - Write, test, and debug scripts by using the IBM Rational Application Developer for WebSphere Software or the IBM WebSphere Application Server Developer Tools for Eclipse. - Configure or modify a WebSphere Application Server environment by using properties files and/or the monitored directory feature. 	14%
Security configuration and Maintenance	<ul style="list-style-type: none"> - Configure user repositories. - Configure SSL for clients and servers, for example, create certificates, populate trust stores and modify certificate expiration. - Discuss the implications of resource security settings. - Implement multiple security domains. - Apply administrative and application security roles. - Configure different authentication and authorization mechanisms, including SSO. - Configure Java Enterprise, Liberty, Web and Web Services Security. 	14%
Clustering and Workload Management	<ul style="list-style-type: none"> - Configure clusters in workload management topologies. - Configure and manage the HTTP server and the web server plug-in. - Configure distributed session management for high availability and failover scenarios, including the WebSphere eXtreme Scale option. - Configure messaging engine policies for clustered service integration bus (SIBus) members. - Configure high availability using core groups. - Utilize the capabilities of the Liberty collectives. 	9%
Intelligent Management and Resiliency	<ul style="list-style-type: none"> - Use the dynamic cluster elasticity feature. - Create and configure On Demand Routers (ODR) and the ODR plug-in and associated service policies to enable the dynamic operations. 	6%

Topic	Details	Weights
	<ul style="list-style-type: none"> - Use health policies and actions to monitor and react to changing performance in the environment. - Configure and maintain application editions. 	
Performance Monitoring and Tuning	<ul style="list-style-type: none"> - Use the Tivoli Performance Viewer (TPV) to monitor the WebSphere Application Server runtime. - Use the Tivoli Performance Viewer (TPV) Advisor and the Diagnostic Advisor to obtain advice on performance issues. - Tune parameters, for example JVM settings, connection pools, thread pools, that affect WebSphere Application Server performance. - Use the Performance Monitoring Infrastructure (PMI) metrics and poll MBeans for performance data. - Configure and monitor the WebSphere Application Server caching mechanisms. - Configure multi-cell performance management. 	11%
Problem Determination	<ul style="list-style-type: none"> - Enable High Performance Extensible Logging (HPEL) and view HPEL data. - Enable Cross Component Trace (XCT) and view trace data in XCT Log Viewer. - Use tools to trigger and analyze heap dumps, javacore dumps, system core dumps and verbose Garbage Collection (GC). - Configure diagnostic tracing. - Use "mustgather" documentation and/or the IBM Support Assistant to collect and analyze diagnostic data or submit data to IBM Support. - Configure, review and analyze log files for example, First Failure Data Capture (FFDC), system logs, native logs. 	11%

IBM C9510-401 Sample Questions:

Question: 1

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?

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

Answer: c

Question: 2

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

Question: 3

A system administrator discovers that the wsadmin output for the command `AdminApp.view('MyApp')` includes several accented characters that do not display properly. The system administrator realizes that these are Unicode characters.

Which argument list should the administrator use to properly display the output from wsadmin?

- a) `wsadmin -c "print AdminApp.view('MyApp')"`
- b) `wsadmin -lang ANSI -c AdminApp.view('MyApp')`
- c) `wsadmin -c AdminApp.view('MyApp') >! SystemOut`
- d) `wsadmin -javaoption -Dprofile.encoding=Cp104 -c AdminApp.view('MyApp')`

Answer: a

Question: 4

A system administrator observed a decreased performance of a web application. During investigation, the system administrator found that there were frequent garbage collections. A WebSphere Application Server is running on 32-bit platform with 8GB of memory, and with default settings for the JVM.

What does the administrator need to change to improve performance?

- a) Change the garbage collection policy to "balanced".
- b) Increase the JVM maximum and the initial heap size.
- c) Increase the JVM maximum heap size and use the "balanced" garbage collection policy.
- d) Update the operating system parameters to make more memory available for the JVM.

Answer: b

Question: 5

How can a system administrator secure a WebSphere Application Server environment to ensure that an application code will not be allowed to access any files in the server's file system?

- a) Configure the CSiv2 outbound communications under RMI/IIOP security.
- b) Configure the file-based repository and create the fileRegistry.xml file.
- c) Enable Java 2 security and configure the app.policy and was.policy files.
- d) Use the AdminTask deleteAuthorizationGroup to remove application access.

Answer: c

Question: 6

An application developer needs to make a call to secured EJB in a remote cell from an unsecured application. A specific application ID myapp is needed to access the remote EJB. The application developer's cell and the remote cell where the EJB is deployed are in the same security realm.

How can the system administrator secure the RMI/IIOP communication within global security?
Modify CSiv2:

- a) inbound communication settings and select Identity assertion and specify a server trusted identity.
- b) inbound communication settings and select Identity assertion and specify an alternative trusted identity and password for myapp.
- c) outbound communication settings and select Identity assertion and specify a server trusted identity.
- d) outbound communication settings and select Identity assertion and specify an alternative trusted identity and password for myapp.

Answer: d

Question: 7

A system administrator returns to the Integrated Solutions Console (ISC) after stepping away from the computer for twenty minutes. The administrator discovers that the console session is still active.

How can the administrator modify the console session expiration?

- a) Add the user ID to the iscadmins role.
- b) Modify the invalidationTimeout tuning parameter.
- c) Modify the browser settings to use session cookies.
- d) Disable single sign-on interoperability mode for the LTPA token.

Answer: b

Question: 8

Within a WebSphere Application Server Network Deployment cell, a system administrator needs to write a script to determine if a particular server is stopped. It is important that the wsadminscript explicitly return a status of stoppedas opposed to just failing.

What wsadminobject should the administrator use to write this script?

- a) AdminApp
- b) AdminTask
- c) AdminConfig
- d) AdminControl

Answer: d

Question: 9

While coordinating a flexible management topology, the job manager can send commands to which components?

- a) Application server and name server.
- b) On demand router and load balancer.
- c) Deployment manager and admin agent.
- d) Node agent and web administration server

Answer: c

Question: 10

The service integration message store tries to persist a message in the messaging engine file store and finds that it is full, it logs an error. A system administrator is required to examine the contents of the file store.

In which log does the administrator examine the contents of the file store?

- a) ffdc
- b) SystemErr
- c) SystemOut
- d) native_stderr

Answer: a

Study Guide to Crack IBM WebSphere Application Server Network Deployment and Liberty Profile System Administration C9510-401 Exam:

- Getting details of the C9510-401 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the C9510-401 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the IBM provided training for C9510-401 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the C9510-401 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on C9510-401 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for C9510-401 Certification

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