89 WebLogic interview questions to hire top engineers

Questions

1. What is WebLogic, in simple terms, and why do companies use it?

2. Can you describe the basic architecture of WebLogic Server?

3. What is a domain in WebLogic, and what is its purpose?

4. Explain the difference between a managed server and an administration server.

5. What is a deployment in WebLogic, and how do you deploy an application?

6. What are the different ways to deploy an application in WebLogic?

7. What are the common types of applications you can deploy on WebLogic?

8. What is a WAR file, and how is it used in WebLogic?

9. What is an EAR file and how does it differ from a WAR file in WebLogic?

10. How do you start and stop a WebLogic server?

11. What is the WebLogic Administration Console, and what is it used for?

12. Explain how you would monitor the health of a WebLogic server.

13. What is a JDBC connection pool in WebLogic, and why is it used?

14. How do you configure a data source in WebLogic to connect to a database?

15. What is JNDI, and how is it used in WebLogic?

16. Can you describe the role of a WebLogic cluster?

17. What are some of the benefits of using WebLogic clusters?

18. What is a WebLogic security realm?

19. How do you configure users and groups in WebLogic?

20. What are some common WebLogic configuration files, and what do they contain?

21. What is the purpose of the setDomainEnv script?

22. What are the key steps you'd take to troubleshoot a WebLogic deployment issue?

23. How would you approach debugging a problem with an application deployed on WebLogic?

24. What is WebLogic and what does it do?

25. Can you explain what a 'server' is in simple terms, and how WebLogic acts as one?

26. Imagine you have building blocks. How would you use WebLogic to organize and manage them in a software project?

27. What are some basic configurations you might need to set up when starting a WebLogic server for the first time?

28. What is the difference between development and production environments in WebLogic?

29. What is a deployment in WebLogic? How do you deploy an application?

30. Explain the role of WebLogic console?

31. What is a Web Application Archive (WAR) file?

32. What is an Enterprise Archive (EAR) file?

33. What is a Java Archive (JAR) file?

34. How would you check the logs in WebLogic to see if something is going wrong with your application?

35. What is a domain in WebLogic?

36. Explain what a managed server is in WebLogic.

37. What are some reasons you might need to restart a WebLogic server?

38. What is the purpose of using data sources in WebLogic?

39. Can you describe a basic security feature in WebLogic, like user authentication?

40. What does it mean to scale an application and how might WebLogic help with that?

41. If you had to describe monitoring a WebLogic server, what would you focus on?

42. What are some common problems you might encounter when deploying an application to WebLogic?

43. Describe the relationship between WebLogic and the applications it hosts. Are they independent? How do they interact?

44. Can you describe the WebLogic managed server lifecycle and the different states a managed server can be in?

45. How do you configure and manage data sources in WebLogic, and what are the best practices for connection pooling?

46. Explain the difference between a WebLogic domain and a cluster. How do they relate to each other?

47. What is a WebLogic deployment unit (like a WAR or EAR file), and how do you deploy applications to WebLogic?

48. Describe the role of JNDI in WebLogic, and how do you use it to look up resources?

49. How do you configure and use WebLogic security realms and authentication providers?

50. Explain how to configure WebLogic for high availability and failover. What are the key components involved?

51. What are WebLogic Work Managers, and how can they be used to prioritize and manage application threads?

52. Describe the process of setting up and using WebLogic JMS (Java Message Service).

53. How do you monitor WebLogic server performance, and what are some common performance tuning techniques?

54. Explain the use of Node Manager in WebLogic. How does it simplify administration?

55. What is WebLogic scripting tool (WLST) and how can it be used for automating WebLogic administration tasks?

56. How can you diagnose and troubleshoot common WebLogic server issues, such as startup problems or deployment failures?

57. Explain how WebLogic integrates with databases. What types of databases are typically supported?

58. What are the different types of deployments available in WebLogic, and when would you use each one?

59. How do you configure SSL in WebLogic to secure communication between the server and clients?

60. Describe how you would configure and use WebLogic caching features to improve application performance.

61. Explain how you would configure and monitor WebLogic server logs. What are the important log files to watch?

62. How do you handle WebLogic server upgrades and migrations? What are some best practices to follow?

63. What are WebLogic interceptors, and how can they be used to implement cross-cutting concerns?

64. Explain the concept of WebLogic multi-tenancy and how it can be used to isolate different applications within the same WebLogic domain.

65. How would you diagnose a memory leak in a WebLogic application without using a profiler?

66. Explain the differences between a WebLogic cluster and a domain. When would you choose one over the other?

67. Describe your experience with configuring and managing WebLogic JMS resources. What strategies do you use for performance tuning?

68. How do you handle rolling deployments in WebLogic without downtime? Explain your strategy.

69. What are the key considerations when designing a highly available WebLogic environment?

70. Explain how you would troubleshoot slow application performance in WebLogic. What tools and techniques would you employ?

71. Describe your experience with WebLogic security realms and authentication providers. How would you integrate with external security systems like LDAP or Active Directory?

72. How do you monitor WebLogic server health and performance in a production environment? What metrics are most important to track?

73. Explain your approach to securing a WebLogic application against common web vulnerabilities like XSS and SQL injection.

74. How do you manage WebLogic configurations across multiple environments (e.g., development, testing, production)? What tools do you use?

75. Describe your experience with WebLogic scripting tool (WLST). How have you used it to automate WebLogic administration tasks?

76. How would you configure WebLogic to handle a sudden spike in traffic? What load balancing strategies would you use?

77. Explain how you would integrate WebLogic with a CI/CD pipeline for automated deployments.

78. Describe your experience with WebLogic diagnostics framework (WLDF). How have you used it to troubleshoot application issues?

79. How would you configure WebLogic for optimal performance in a cloud environment (e.g., AWS, Azure, GCP)?

80. Explain the differences between using JDBC data sources and multi data sources in WebLogic. When would you choose one over the other?

81. How do you manage and monitor WebLogic logs? What strategies do you use for log analysis and troubleshooting?

82. Describe your experience with WebLogic Work Managers. How have you used them to prioritize and manage application threads?

83. How would you handle a situation where a WebLogic server is experiencing excessive CPU usage? What steps would you take to diagnose and resolve the issue?

84. Explain how you would configure WebLogic to use SSL for secure communication. What are the key considerations for certificate management?

85. Describe your experience with WebLogic's deployment descriptor (web.xml, ejb-jar.xml). How have you used them to configure application behavior?

86. How would you configure and manage WebLogic's caching features to improve application performance?

87. Explain how you would integrate WebLogic with a message queue system like Kafka or RabbitMQ?

88. Describe your experience with WebLogic's resource adapters. How have you used them to connect to external systems?