72 IBM AIX Interview Questions to Assess Candidates

Questions

1. What is AIX and how does it differ from other UNIX variants?

2. Explain the purpose of the Object Data Manager (ODM) in AIX.

3. How do you check the current run level in AIX?

4. What is the significance of the /etc/inittab file in AIX?

5. Describe the process of creating a volume group in AIX.

6. How do you display the current CPU usage in AIX?

7. What is the purpose of the errpt command in AIX?

8. Explain the difference between physical volumes and logical volumes in AIX.

9. How do you check the version and release of AIX installed on a system?

10. What is the role of the smit command in AIX administration?

11. How do you list all installed filesets in AIX?

12. Explain the purpose of the lsdev command in AIX.

13. What is the function of the topas command in AIX?

14. How do you start, stop, and check the status of a service in AIX?

15. Describe the process of creating a user account in AIX.

16. How would you check the available disk space on an AIX system?

17. Explain the purpose of the 'lssrc' command in AIX.

18. How would you find and terminate a runaway process in AIX?

19. What is the significance of the '/etc/environment' file in AIX?

20. How would you add a new disk to an existing volume group in AIX?

21. Explain the purpose of the 'bosboot' command in AIX.

22. Can you explain how to create and manage a paging space in AIX?

23. Describe the steps to perform a system backup and restore in AIX.

24. How do you configure network interfaces on an AIX server?

25. Explain the process of upgrading AIX to a new version.

26. What are the steps to set up and configure NFS on AIX?

27. How would you troubleshoot a system performance issue in AIX?

28. Describe the method to configure and manage print queues in AIX.

29. How do you secure an AIX server to meet compliance requirements?

30. Explain how to use the mksysb command for system backup.

31. What steps would you take to diagnose and resolve a boot issue in AIX?

32. How do you configure and manage TCP/IP settings in AIX?

33. Describe the process of applying patches and updates to an AIX system.

34. Can you explain the process of migrating an AIX system to new hardware?

35. How do you handle disk mirroring in AIX, and what are its benefits?

36. What steps would you take to troubleshoot a slow-performing AIX system?

37. How do you manage software updates and patches in an AIX environment?

38. Explain the role and importance of Logical Volume Manager (LVM) in AIX.

39. What is the purpose of the SRC (System Resource Controller) in AIX?

40. How would you ensure high availability and disaster recovery for an AIX system?

41. Can you explain the AIX Workload Partitions (WPARs) and their benefits?

42. What is the purpose of the AIX Virtual I/O Server (VIOS)?

43. How does the Logical Volume Manager (LVM) work in AIX?

44. Explain the concept of JFS2 snapshots in AIX.

45. What is the role of the AIX Network Installation Management (NIM) server?

46. Can you describe the AIX Security Expert (AIXpert) tool and its functions?

47. How does AIX handle resource monitoring and what tools are available for this?

48. Explain the purpose and usage of the AIX Event Report Service.

49. What is the significance of the AIX Trusted Execution (TE) feature?

50. How does AIX implement CPU and memory affinity, and why is it important?

51. How do you view and interpret the process table in AIX?

52. Explain the difference between foreground and background processes in AIX.

53. What is the purpose of the 'nice' command in AIX, and how would you use it?

54. How do you set process priorities in AIX?

55. Describe the function of the 'ps' command and its commonly used flags in AIX.

56. What is the significance of the '/proc' filesystem in AIX?

57. How would you track down a process consuming excessive CPU in AIX?

58. Explain the concept of process states in AIX and list the main states.

59. What is the purpose of the 'renice' command in AIX?

60. How do you use the 'at' command to schedule tasks in AIX?

61. Describe the process of setting up and managing cron jobs in AIX.

62. What tools or commands would you use to monitor system processes in real-time on AIX?

63. How would you handle a situation where a critical application is running slowly on an AIX server?

64. Describe a time when you had to troubleshoot a complex network issue on an AIX system. What steps did you take?

65. If you were tasked with migrating an AIX system to a new server, what key considerations and steps would you outline?

66. Imagine a scenario where you need to configure a new NFS share. How would you approach the process in AIX?

67. What would you do if you discovered that a server's disk space was critically low just before a major deployment?

68. How would you address a situation where a scheduled cron job failed to run on an AIX server?

69. If a user reports that they cannot access their account on an AIX system, how would you investigate and resolve the issue?

70. Describe your approach to documenting AIX configurations and procedures for future reference. Why is this important?

71. How would you prioritize multiple high-severity incidents occurring simultaneously on an AIX system?

72. Can you share an experience where you successfully implemented a backup and recovery strategy for an AIX environment?