

95 AEM Interview Questions to Hire Top Developers

Questions

1. What is AEM, in simple terms, and what is it used for?
2. Can you describe the basic building blocks of AEM? Think of them like LEGO bricks.
3. What's the difference between a template and a component in AEM? Imagine you are building a house.
4. What is a dispatcher in AEM, and why do we need it? Think of it as a helpful traffic controller.
5. How does AEM store content? Is it like a filing cabinet or something else?
6. What are workflows in AEM, and how are they helpful? Imagine a set of instructions for a task.
7. What is the difference between author and publish instances in AEM? Where do you create content, and where does everyone see it?
8. What are clientlibs in AEM, and why do we use them? Think of them as bundles of style and behavior for your website.
9. Explain what a Sling servlet is in AEM, and what its role is.
10. What is OSGi, and why is it important for AEM? Think of it as a way to organize different parts of AEM.
11. What are some ways to deploy code to AEM? It's like delivering packages to a house.
12. How would you debug a problem in AEM? What tools can you use?
13. What are the different types of dialogs in AEM? What are their purposes?
14. Explain the concept of inheritance in AEM templates and components.
15. What is the use of query builder in AEM? How does it simplify content searching?
16. How do you handle user permissions and access control in AEM? Who gets to see what?
17. What are the common AEM development best practices that you should follow?
18. What's the purpose of using Sightly (HTL) in AEM, and what are its advantages over JSP?
19. How do you integrate AEM with other systems, such as a CRM or an e-commerce platform?
20. What are some strategies for optimizing the performance of an AEM website?
21. How can you make your AEM components responsive, so they look good on different devices?
22. Can you describe a situation where you had to troubleshoot a complex problem in AEM, and how you solved it?
23. What is the importance of component versioning in AEM, and how do you manage it?
24. How do you handle multi-language websites in AEM? What are the key considerations?
25. What security measures should you take when developing AEM applications?
26. What is the role of the JCR (Java Content Repository) in AEM?
27. Explain different types of AEM services and how they are useful.
28. Explain the difference between a Sling Model and a Use API.
29. How does AEM's dispatcher work, and what are its key benefits?
30. Describe the process of creating a custom OSGi service in AEM.
31. What are the different run modes in AEM, and how would you use them?
32. Explain how you would implement a multi-site manager (MSM) setup in AEM.
33. Describe your experience with debugging AEM applications.
34. How do you handle version control and deployment of AEM projects?
35. Explain the importance of indexing in AEM, and how you would optimize queries.
36. What are the different types of templates in AEM (e.g., editable, static), and when would you use each?
37. Describe the role of the Granite UI framework in AEM development.
38. Explain how you would implement a custom authentication handler in AEM.
39. What are the considerations for designing a component that is performant and scalable?
40. Describe the process of setting up and using the AEM developer console.
41. How do you handle user-generated content (UGC) in AEM, and what security measures would you implement?
42. Explain the use of workflows in AEM, and how you can create custom workflows.
43. What is the purpose of the Sling Request Processor, and how does it work?
44. Describe how you would integrate AEM with a third-party CRM system.
45. Explain the concept of lazy loading in AEM and how it improves performance.
46. How can you secure AEM against common web vulnerabilities, such as XSS and CSRF?
47. Describe your experience with AEM's cloud service offerings.
48. How do you approach troubleshooting issues related to the AEM dispatcher?
49. Explain your understanding of AEM's internationalization (i18n) features.
50. Describe the process of creating a custom AEM admin console page.
51. How would you optimize AEM performance in a high-traffic environment, focusing on dispatcher caching strategies and CDN integration?
52. Explain the differences between Sling Models and OSGi services, and when would you choose one over the other in AEM development?
53. Describe your experience with AEM's MSM (Multi Site Manager) and how you would handle complex content inheritance scenarios?
54. How do you ensure secure AEM deployments, including user authentication, authorization, and protection against common web vulnerabilities?
55. What are the advantages and disadvantages of using AEM as a headless CMS, and how would you implement it using GraphQL?
56. Explain how you would implement a custom workflow step in AEM that interacts with an external system or API.
57. Describe your approach to handling large-scale content migrations in AEM, including data transformation and validation.
58. How would you design and implement a custom AEM component that integrates with a third-party marketing automation platform?
59. What are the best practices for managing AEM environments across different stages (dev, stage, prod) using tools like Git and Maven?
60. Explain your experience with AEM's personalization features and how you would implement targeted content delivery based on user segments.
61. Describe how you would troubleshoot and resolve performance issues in AEM, focusing on identifying bottlenecks and optimizing code.
62. How do you approach writing unit and integration tests for AEM components and services to ensure code quality and reliability?
63. What are the considerations for designing a globally distributed AEM deployment, including content replication and caching strategies?
64. Explain your experience with AEM's Assets API and how you would use it to manage and deliver digital assets across different channels.
65. Describe how you would implement a custom search functionality in AEM that goes beyond the built-in search capabilities.
66. How do you ensure accessibility compliance (WCAG) in AEM projects, and what tools and techniques do you use for testing?
67. What are the key differences between AEM as a Cloud Service and on-premise AEM deployments, and what are the implications for development and operations?
68. Explain how you would implement a custom event handler in AEM to trigger actions based on specific content changes or user activities.
69. Describe your approach to managing and deploying AEM configurations across different environments using tools like the Configuration Manager.
70. How would you monitor the health and performance of an AEM instance, and what metrics would you track to identify potential issues?
71. Explain the challenges and strategies involved in migrating a large, complex website from a legacy CMS to AEM, focusing on content and code.
72. Describe your experience with AEM's multi-site manager (MSM). How do you handle complex inheritance scenarios and customizations across multiple sites?
73. What are the key considerations and steps involved in setting up and managing a large-scale AEM deployment across multiple geographic regions, considering performance and data residency?
74. Discuss the trade-offs between using Sling Models and traditional JSPs/Servlets for component development in AEM. When would you choose one over the other?
75. How would you approach troubleshooting a complex performance bottleneck in AEM, such as slow page load times or high CPU usage? What tools and techniques would you use?
76. Explain your approach to securing an AEM application against common web vulnerabilities, such as cross-site scripting (XSS) and SQL injection.
77. Describe a scenario where you would use AEM's Workflow engine to automate a complex business process. What are the key considerations for designing and implementing such a workflow?
78. How do you approach optimizing AEM's search functionality for a large website with a vast amount of content? What indexing strategies and search technologies would you consider?
79. Discuss your experience with integrating AEM with other Adobe Marketing Cloud solutions, such as Adobe Analytics or Adobe Target. How do you ensure seamless data flow and personalized experiences?
80. Explain the challenges and best practices for managing and deploying AEM customizations in a multi-environment setup (e.g., development, staging, production).
81. Describe your experience with AEM's personalization features. How do you create and manage personalized experiences for different user segments?
82. How would you approach designing a component in AEM that needs to interact with a third-party API? What are the key considerations for handling authentication, data mapping, and error handling?
83. Explain the different options for content modeling in AEM (e.g., using templates, components, and content fragments). When would you choose one approach over another?
84. Discuss your experience with AEM's Communities feature. How do you moderate user-generated content and ensure a positive community experience?
85. How would you approach migrating content from a non-AEM system into AEM, especially considering different content structures and formats?
86. Explain your understanding of AEM's OSGi framework and how it enables modular development and deployment. How do you manage dependencies between OSGi bundles?
87. Describe your experience with AEM's translation management system (TMS). How do you manage the translation workflow and ensure consistent brand messaging across different languages?
88. How would you approach designing an AEM component that needs to be highly performant and scalable, especially under heavy traffic?
89. Explain the challenges and best practices for managing AEM's repository size and performance. How do you handle large binary files and version history?
90. Discuss your experience with AEM's headless capabilities. How do you expose content from AEM to other applications or channels using APIs?
91. How would you monitor AEM's health and performance in a production environment? What metrics would you track and what alerting mechanisms would you use?
92. How do you use AEM's Mobile App capabilities?
93. How do you approach testing an AEM application, including unit testing, integration testing, and end-to-end testing?