

Basic Level Questions (Fresher / Beginner)

1. What is AWS Lambda?
 2. What are the key features of AWS Lambda?
 3. What programming languages are supported by Lambda?
 4. What is the use case of AWS Lambda?
 5. How is AWS Lambda different from EC2?
 6. What is an event in AWS Lambda?
 7. What is a trigger in AWS Lambda?
 8. How do you create and deploy a Lambda function?
 9. What is the default timeout of an AWS Lambda function?
 10. What are the memory and timeout limits in AWS Lambda?
 11. Can AWS Lambda run indefinitely?
 12. What is a cold start in Lambda?
 13. How do you monitor AWS Lambda?
 14. What is the pricing model for AWS Lambda?
 15. What is a handler function in AWS Lambda?
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Intermediate Level Questions (1–3 Years Experience)

16. What is the execution context in AWS Lambda?
 17. Explain cold start vs warm start in Lambda.
 18. What are environment variables in AWS Lambda?
 19. How do you manage dependencies in a Lambda function?
 20. What is Lambda Layers and why are they used?
 21. What is the maximum size of deployment package in AWS Lambda?
 22. How can you secure an AWS Lambda function?
 23. How do you connect a Lambda function to an RDS or DynamoDB?
 24. What is the difference between synchronous and asynchronous invocation in Lambda?
 25. Can a Lambda function call another Lambda function?
 26. What are dead-letter queues (DLQ) in AWS Lambda?
 27. How do you version and alias a Lambda function?
 28. How does AWS Lambda integrate with S3?
 29. How does AWS Lambda integrate with API Gateway?
 30. What is the role of IAM in Lambda?
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Security & Operational Questions

31. How do you restrict access to a Lambda function?
32. What is a resource-based policy in Lambda?
33. How do you apply least privilege to Lambda IAM roles?
34. How do you log and trace Lambda executions?
35. What are the best practices for monitoring Lambda functions?



Advanced / FAANG-Level Questions

36. How does AWS Lambda scale?
 37. How does concurrency work in Lambda?
 38. What is provisioned concurrency in Lambda?
 39. How do you handle high-frequency traffic in AWS Lambda?
 40. How would you architect a serverless REST API using Lambda?
 41. Compare AWS Lambda with Google Cloud Functions and Azure Functions.
 42. How do you troubleshoot performance issues in Lambda?
 43. Explain how to build a CI/CD pipeline for deploying Lambda functions.
 44. What are some limitations of Lambda for production applications?
 45. When should you not use AWS Lambda?
 46. How would you implement retry logic in AWS Lambda?
 47. What is Lambda@Edge and where is it used?
 48. How do you optimize a Lambda function for low latency?
 49. Can you run a container inside Lambda? Explain with use cases.
 50. How would you implement a fan-out pattern using Lambda and SNS/SQS?
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Bonus: Scenario-Based Questions

- You're using Lambda with S3, and some files fail to process. How do you debug the issue?
- Your Lambda is timing out. What are possible reasons and how would you fix it?
- Your application has variable traffic. How do you ensure your Lambda performs well under load?
- You need to execute a Lambda function only at night. How would you schedule it?
- How do you migrate an existing application to AWS Lambda (serverless)?