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AWS Lambda 🗸

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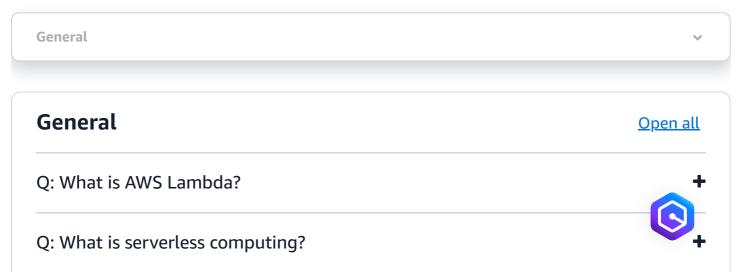
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AWS Lambda FAQs



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AWS Lambda Functions	<u>Open all</u>
Q: What is an AWS Lambda function?	+
Q: Will AWS Lambda reuse function instances?	+
Q: What if I need scratch space on disk for my AWS Lambda function?	+
Q: How do I configure my application to use AWS Lambda ephemeral sto	orage? +
Q: Is AWS Lambda ephemeral storage encrypted?	+
Q: What metrics can I use to monitor my AWS Lambda ephemeral storagusage?	e +

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Q: Can I use ephemeral storage while Provisioned Concurrency is enabled for my function?	+
Q: How do I configure my application to use AWS Lambda ephemeral storage?	+
Q: Is AWS Lambda ephemeral storage encrypted?	+
Q: What metrics can I use to monitor my AWS Lambda ephemeral storage usage?	+
Q: Why must AWS Lambda functions be stateless?	+
Q: Can I use threads and processes in my AWS Lambda function code?	+
Q: What restrictions apply to AWS Lambda function code?	+
Q: How do I create an AWS Lambda function using the Lambda console?	+
Q: How do I create an AWS Lambda function using the Lambda CLI?	+
Q: Does AWS Lambda support environment variables?	+
Q: Can I store sensitive information in environment variables?	+
Q: How can I manage my AWS Lambda functions?	+
Q: Can I share code across functions?	+
Q: How do I monitor an AWS Lambda function?	+
Q: How do I troubleshoot failures in an AWS Lambda function?	+

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Q: When should I use AWS Lambda functions with more than 3008 MB of nemory?	+
Q: How long can an AWS Lambda function execute?	+
Q: How will I be charged for using AWS Lambda functions?	+
Q: Can I save money on AWS Lambda with a Compute Savings Plan?	+
Q: Does AWS Lambda support versioning?	+
Q: How long after uploading my code will my AWS Lambda function be ready to call?	+
Q: Can I use my own version of a supported library?	+
Q: How does tiered pricing work?	+
Q: Can I take advantage of both tiered pricing, and Compute Savings Plans?	+

<u>Open all</u>
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Q =

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DynamoDB table?	+
Q: How do I use an AWS Lambda function to process records in an Amazon Kinesis stream?	+
Q: How does AWS Lambda process data from Amazon Kinesis streams and Amazon DynamoDB Streams?	+
Q: How should I choose between AWS Lambda and Amazon Kinesis Data Analytics for my analytics needs?	+
Q: How do I use an AWS Lambda function to respond to notifications sent by Amazon Simple Notification Service (SNS)?	+
Q: How do I use an AWS Lambda function to respond to emails sent by Amazon Simple Email Service (SES)?	+
Q: How do I use an AWS Lambda function to respond to Amazon CloudWatch alarms?	+
Q: How do I use an AWS Lambda function to respond to changes in user or device data managed by Amazon Cognito?	+
Q: How can my application trigger an AWS Lambda function directly?	+
Q: What is the latency of invoking an AWS Lambda function in response to an event?	+
Q: How do I create a mobile backend using AWS Lambda?	+

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app making the request?

Q: How can my AWS Lambda function personalize its behavior based on the identity of the end-user of an application?

Q: How do I create an Alexa skill using AWS Lambda?

+

Q: What happens if my function fails while processing an event?

Using AWS Lambda to build applications	Open all
Q: What is a serverless application?	+
Q: How do I deploy and manage a serverless application?	+
Q: How can I discover existing serverless applications developed by the AV community?	VS +
Q: How do I automate deployment for a serverless application?	+
Q: How do I get started on building a serverless application?	+
Q: How do I coordinate calls between multiple AWS Lambda functions?	+
Q: How do I troubleshoot a serverless application?	+
Q. Can I build serverless applications that connect to relational databases	? +
Q: How is AWS SAM licensed?	+

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Q: How can I use	Container Image Support for AWS Lambda?
Q: Which contain	er image types are supported?
Q: What base ima	iges can l use?
Q: What containe images?	r tools can I use to package and deploy functions as container
Q: What AWS Lan	nbda features are available to functions deployed as?
Q: Will AWS Laml	oda patch and update my deployed container image?
Q: What are the container images	lifferences between functions created using ZIP archives vs.
Q: Is there a perfo	ormance difference between functions defined as zip and ?
Q: How will I be c	harged for deploying Lambda functions as container images?
Q: What is the La	mbda Runtime Interface Emulator (RIE)?
Q: Why do I need testing?	the Lambda Runtime Interface Emulator (RIE) during local
Q: What function	behaviors can I test locally with the emulator?

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AWS Lambda Snapstart	Open all
Q. What is AWS Lambda SnapStart?	+
Q. How do I configure my Lambda function to use Lambda SnapStart?	+
Q. How do I choose between Lambda SnapStart and Provisioned Concurre (PC)?	ncy +
Q. Which runtimes does Lambda SnapStart support?	+
Q. Can I enable both Lambda SnapStart and PC on the same function?	+
Q. Can I configure a Lambda SnapStart function with a virtual private clou	d +
Q. Can I configure Lambda SnapStart on both x86 and Arm architectures?	+
Q. Can I enable Lambda SnapStart with Amazon Elastic File System (EFS)?	+
Q. Can I enable Lambda SnapStart with larger ephemeral storage (/tmp) beyond 512 MB?	+
Q. Does the process of caching and resuming from snapshots introduce software compatibility considerations?	+
Q. Can I execute my own code before a snapshot is created or when the function is resumed from snapshot?	+

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WILIT Lambua Shapstart:

Q. How can I encrypt the snapshots of initialized execution environment created by Lambda SnapStart?

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Q. Is there a time limit for how long my code initialization can run with Lambda SnapStart?

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Provisioned Concurency	Open all
Q: What is AWS Lambda Provisioned Concurrency?	+
Q: How do I set up and manage Provisioned Concurrency?	+
Q: Do I need to change my code if I want to use Provisioned Concurrency?	, +
Q: How will I be charged for Provisioned Concurrency?	+
Q: When should I use Provisioned Concurrency?	+
Q: What happens if a function receives invocations above the configured of Provisioned Concurrency?	.evel

AWS Lambda functions powered by Graviton2 processors Openall

Q: What are AWS Lambda functions powered by Graviton2 processors?

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Q: Why should I use AWS Lambda functions powered by Graviton2 processors?

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Q: Do I need an Arm-based development machine to create, build, and test functions powered by Graviton2 processors locally?

+

Q: Can an application use both functions powered by Graviton2 processors and x86 processors?

Q: Does AWS Lambda support multi-architecture container images?

+

Q: Can I create AWS Lambda Layers that target functions powered by AWS Graviton2 processors?

+

Q: What languages and runtimes are supported by Lambda functions running on Graviton2 processors?

+

Q: What is the pricing of AWS Lambda functions powered by AWS Graviton2 processors? Does the AWS Lambda free tier apply to functions powered by Graviton2?

+

Q: How do I choose between running my functions on Graviton2 processors or x86 processors?

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Amazon EFS for AWS Lambda

Open all

Q: What is Amazon EFS for AWS Lambda?

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Q: How do I set up Amazon EFS for Lambda?

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Q: Will my data be encrypted in transit?	+
Q: Is my data encrypted at rest?	+
Q: How will I be charged for Amazon EFS for AWS Lambda?	+
Q: Can I associate more than one Amazon EFS file system with my AWS Lambda function?	+
Q: Can I use the same Amazon EFS file system across multiple functions, containers, and instances?	+

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Lambda@Edge	Open all
Q: What is Lambda@Edge?	+
Q: How do I use Lambda@Edge?	+
Q: When should I use Lambda@Edge?	+
Q: Can I deploy my existing Lambda functions for global invocation?	+
Q: What Amazon CloudFront events can be used to trigger my functions?	+
Q: How is AWS Lambda@Edge different from using AWS Lambda behind Amazon API Gateway?	+

Scalability and availability	<u>Open all</u>
Q: How available are AWS Lambda functions?	+
Q: Do my AWS Lambda functions remain available when I change my code its configuration?	or +
Q: Is there a limit to the number of AWS Lambda functions I can execute a once?	t +
Q: What happens if my account exceeds the default throttle limit on concurrent executions?	+

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O How quickly do my AMC Lambda functions scale?	
Q. How quickly do my AWS Lambda functions scale?	
Q: What happens if my Lambda function fails while processing an event?	+
Q: What happens if my Lambda function invocations exhaust the available policy?	+
Q: What resources can I configure as a dead letter queue for a Lambda function?	+

Security and access control

Open all

Q: How do I allow my AWS Lambda function access to other AWS resources?

Q: How do I control which Amazon S3 buckets can call which AWS Lambda functions?

Q: How do I control which Amazon DynamoDB table or Amazon Kinesis stream an AWS Lambda function can poll?

Q: How do I control which Amazon SQS queue an AWS Lambda function can poll?

Q: How do I access resources in Amazon VPC from my AWS Lambda function?

Q: What is Code Signing for AWS Lambda?

Q: How do I create digitally signed code artifacts?

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Q: Can I enable code signing for existing functions?

Q: Is there any additional cost for using Code Signing for AWS Lambda? +

Q: What advanced logging controls are supported on Lambda? Q: What can I use advanced logging controls for? Q. How do I use advanced logging controls? Q. Can I use my own logging libraries to generate JSON structured logs for my Lambda function? Q. How will I be charged for using the advanced logging controls?

Q: How do I compile my AWS Lambda function Java code? 4 Q: What is the JVM environment that Lambda uses for executing my function?

AWS Lambda functions in Node.js

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in Node.js?

Q: Is it possible to use native modules with AWS Lambda functions written in Node.js?

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Q: Can I execute binaries with AWS Lambda written in Node.js?

Q: How do I deploy AWS Lambda function code written in Node.js?

AWS Lambda functions in Python

Open all

Q: Can I use Python packages with AWS Lambda?

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AWS Lambda functions in C#

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Q: How do I package and deploy an AWS Lambda function in C#?

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AWS Lambda functions in PowerShell

Open all

Q: How do I deploy AWS Lambda function code written in PowerShell?

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AWS Lambda functions in Go

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Q: How do I package and deploy an AWS Lambda function in Go?

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Other topics	<u>Open all</u>
Q: Which versions of Amazon Linux, Node.js, Python, JDK, .NET Core, SD and additional libraries does AWS Lambda support?	Ks,
Q: Can I change the version of Amazon Linux or any language runtime?	+
Q: How can I record and audit calls made to the AWS Lambda API?	+
Q: How do I coordinate calls between multiple Lambda functions?	+
Q: Does AWS Lambda support Advanced Vector Extensions 2 (AVX2)?	+

Get started with AWS Lambda

Have more questions?



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Ready to get started

Learn more about AWS Lambda pricing

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