



GAIN BUSINESS AND TECHNICAL COMPETITIVE ADVANTAGES WITH SERVERLESS COMPUTING ENABLED BY AMAZON WEB SERVICES & DMI

WHAT IS A SERVERLESS APPLICATION?

Serverless computing allows you to build and run applications and services without thinking about servers. Serverless applications don't require you to provision, scale, and manage any servers. You can build them for virtually any type of application or backend service, and everything required to run and scale your application with high availability is handled for you. Companies that build serverless applications get faster time-to-market because the core infrastructure components, like compute and databases, are offered as fully managed services by AWS. These companies also experience reduced infrastructure costs since serverless applications don't require you to pay for idle server capacity.

Serverless applications are built using fully managed services like AWS Lambda, Amazon API Gateway, Amazon DynamoDB, Amazon S3, AWS Step Functions, and Amazon Kinesis.

SERVERLESS COMPUTING

The rise of cloud computing has been a massive catalyst for compute platform innovations. Businesses today are looking for on-demand cloud resources to achieve agility and save significant costs with pay-as-you-go billing. Whether you're building an API or real-time data processing backend, serverless computing allows you to build and run applications without thinking about servers. AWS Lambda and Lambda@Edge enable you to better serve your end customers by focusing on product innovation and business value instead of managing infrastructure.

To get started, AWS and DMI provide the platform and resources for you to build and run applications that have zero server management.

COMMON USE CASES



WEB APPS AND SERVICES



MOBILE BACKENDS



IOT BACKENDS



DATA PROCESSING



CHATBOTS



IT AUTOMATION

FOCUS ON INNOVATION, NOT OPERATING SERVERS

AWS and APN Partner DMI provide organizations with the building blocks to develop and run serverless applications on the AWS Cloud. By using AWS's serverless platform, organizations can eliminate the time and expense associated with provisioning and managing servers, including patching and configuration, administering databases, installing security updates, scaling, etc. This enables organizations to improve their operational efficiency, refocus engineering resources on product innovation, and establish faster time-to-market.



COMPONENTS OF THE AWS SERVERLESS PLATFORM

COMPUTE

AWS Lambda lets you run code without provisioning or managing servers. You pay only for the compute time you consume - there is no charge when your code is not running.

SYSTEMS MESSAGING

AWS managed services make it easy to decouple and scale microservices, distributed systems, and serverless applications. For interprocess messaging, users can leverage Amazon SNS as a pub/sub messaging service, and Amazon Simple Queue Service (Amazon SQS) for message queuing.

STATE MANAGEMENT

AWS Step Functions makes it easy to coordinate the components of distributed applications and microservices using visual workflows.

DATABASES

Amazon DynamoDB is a fast and flexible NoSQL database service for all applications that need consistent, single-digit millisecond latency at any scale.

STORAGE

Amazon Simple Storage Service (Amazon S3), provides developers and IT teams with secure, durable, highly-scalable object storage.

DEVELOPER TOOLS

AWS provides tools and services that aid developers in the serverless application development process. AWS and its partner ecosystem offer tools for continuous integration and delivery, testing, deployments, monitoring and diagnostics, SDKs, frameworks, and integrated development environment (IDE) plugins.

ANALYTICS

Amazon Kinesis enables streaming data on AWS, offers powerful services to make it easy to load and analyze streaming data, and provides the ability to build custom streaming data applications. This data can then be published to Amazon S3 and queried by Amazon Athena, a serverless interactive query service for standard SQL.

API PROXY

Amazon API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale.

DIAGNOSTICS

AWS X-Ray helps developers analyze and debug production, distributed applications, such as those built using a microservices architecture.

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Learn more at [DMInc.com](https://dminc.com)

DMI [Partner Resources & Info URLs]:

<https://dminc.com/strategic-partners/aws/>

Additional Resources & Info:

<https://aws.amazon.com/serverless/>

<https://aws.amazon.com/serverless/developer-tools/>



DIGITAL AT THE EDGE.
HUMAN AT THE CORE.

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DMI IS AN AWS SELECT TIER SERVICES PARTNER

With serverless computing, you can better serve your end customers by focusing on product innovation and business value instead of managing infrastructure. Serverless applications also enable faster time-to-market and reduce your infrastructure costs.

DMI, an AWS Lambda Delivery validated Partner, has extensive experience with AWS Lambda and helps you achieve zero administration to run code for virtually any type of application or backend service. Together, we provide the platform and resources for you to build and run applications that have zero server management; achieve infrastructure savings of up to 95% month-over-month compared to conventional stacks.

aws
PARTNER