



Why You Should Consider Serverless Computing

The primary goal of every business is to generate revenue.

From Salesforce launching its CRM as a SaaS solution in 1999 to developing PaaS, IaaS, DaaS, BaaS, and more, outsourcing services is a smart way to do business.

One area remained neglected, though – the server room. While plenty of server space is leased, Serverless Computing brings a much more agile solution to the table.

Defining Serverless Computing

Serverless Computing is a method of providing backend services on a sales model that only charges for what you use. Instead of leasing service space for a mandatory amount of time or fixed rate, Serverless Computing offers a business model for lowering expenditures.

Developers can write and deploy code without dealing with any issues stemming from the underlying infrastructure, and you're only paying for the bandwidth you've used.

The Benefits of Serverless Computing

Cost Savings

From business costs to compute resources, the ability to pay for only what you use adds up quickly in terms of savings for your organization. Plus, there's no need to purchase expensive servers and other hardware or rent out rack space.

Scalability

Serverless Computing allows you to scale automatically to match your workloads without requiring manual configuration or intervention. This improves both efficiency and performance. Additionally, scaling is simplified, as your Serverless Computing vendor handles all the scaling on demand.

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Low Maintenance

As there is no server to host, your organization will enjoy having your patching, configuring, and management of servers taken care of for you. With no on-site servers, you no longer have to dedicate employee time and labor for the maintenance of your infrastructure. You'll also enjoy access to database and storage services through AWS as opposed to having to host this hardware on-site.

An Increased Focus on Business Logic

With Serverless Computing, the maintenance of underlying infrastructure will not be an issue for your IT staff and so your developers can turn their full attention to the creation of applications that move your business forward.

FaaS Platforms

Additional Function-as-a-Service platforms available with Serverless Computing enable developers to execute small code on the network edge. They can also build upon modular architecture, creating more scalable codebases with simplified backend code.

Time to Market

Having your development team focus solely on creating more innovative applications also speeds up time to market. Developers can add and modify code on a piecemeal basis without worrying about bug fixes or new feature deployments.

Is Serverless Computing the Right Option for You?

Before making a decision on Serverless Computing, it's best to talk to an expert. IO Connect Services is on hand to answer questions about your concerns, such as security, testing, debugging, latency, and performance.

The Tools of Serverless Computing

AWS provides a growing number of tools to assist in serverless computing. The following three are at the top of the list:

Amazon API Gateway

Amazon API Gateway allows your developers to create, maintain, and secure APIs at any scale. They can use their own client applications as well as make their web APIs available to third parties. API Gateway will also maintain, monitor, and secure REST and WebSocket APIs at any scale.

Amazon Aurora

Compatible with MySQL and PostgreSQL, Amazon Aurora offers the performance and availability of traditional enterprise databases but is wrapped in the cost-effectiveness and simplicity of open-source databases. Amazon RDS, the management tool, takes care of tasks like provisioning, patching, backup and recovery, and failure detection and repair.

Amazon CloudFront

As a programmable CDN (Content Delivery Network), Amazon CloudFront integrates with other AWS services like S3, EC2, Route 53, Elastic Load Balancing, and Elemental Media Services to deliver static and dynamic web content globally. CloudFront provides massive scalability, low latency, and high performance, with all content accessible via the same console.

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About IO Connect

IO Connect Services is an AWS Advanced Tier Services Partner, a certified MuleSoft® System Integrator Partner, a Salesforce Commerce Cloud Consulting Partner, and a member of the Datadog Partner Network. Our professionals have over 20 years of experience delivering complex technical solutions worldwide. We offer solutions in migration, DevOps, cloud native development, cloud solution architecture, security and compliance, and managed services. The company has achieved AWS competencies in retail, migration, and DevOps. We work relentlessly on establishing and maintaining trust with our clients and all business partners for long-term relationships.

Focusing on companies "born in the cloud" or wishing to migrate to the cloud, IO Connect enables them to exploit the advantages of having a cloud-native infrastructure.

[Reach out to us](#) today. Schedule a consultation to discuss whether Serverless Computing is the right solution for your organization.

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