



Providers

A supermarket of technology

Olivia



Olivia



- Made an app to track your running habits
- Uses React Native + Expo
- Needs user authentication
- Uses a mailing library incompatible with Expo
- Doesn't have a lot of time or coders
- What now?!

Olivia



- User Auth
- On demand code invocation
- Easy
- Fast
- Cheap



Azure

I build my
own
infrastructure

AWS

What
Cloud Providers
do you use?

GCP

Watson

...



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What is a “Cloud Provider”?



What is a Cloud Provider? - Definition from Techopedia

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Cloud Provider



Definition - What does *Cloud Provider* mean?

A cloud provider is a company that delivers cloud computing based services and solutions to businesses and/or individuals. This service organization may provide rented and provider-managed virtual hardware, software, infrastructure and other related services. Cloud services are becoming increasingly desirable for companies because they offer advantages in terms of cost, scalability and accessibility.

A cloud provider is also known as a utility computing provider. This role is typically related to that of a managed service provider (MSP), but usually, the latter provides other managed IT solutions.

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Techopedia explains *Cloud Provider*

Cloud providers are generally organizations that provide some form of IT infrastructure that is commercially distributed and sourced across several subscribers – typically businesses. Cloud providers deliver cloud solutions through on-demand, pay-as-you-go systems as a service to customers and end users. Cloud provider customers access cloud resources through Internet and programmatic access and are only billed for resources and services used according to a subscribed billing method.

Depending on the business model, a cloud provider may provide various solutions, such as:

- Infrastructure as a service (IaaS): May include virtual servers, virtual storage and virtual desktops/computers
- Software as a service (SaaS): Delivery of simple to complex software through the Internet
- Platform as a service (PaaS): A combination of IaaS and SaaS delivered as a unified service

A cloud provider also may be classified as a public cloud provider, private cloud provider, hybrid cloud provider or community cloud provider.

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A glowing blue icon depicting a brain and several interlocking gears, symbolizing machine learning and artificial intelligence.

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Activity!

- Create an account in cloud.google.com
- Sign in to the GCP console
- Create a Google Cloud Function
- Make it send an email to a given address
- Use node module: “mail”
- Deploy it
- Create a React Native app and call the function
- Use the results

Takeaways_mod7

- You don't have to build all from scratch
- Cloud Providers make our life easier
- Code can run anywhere there is a computer

Takeaways_mod8

- Serverless = Cloud Computing
- You can deploy to a server with 0 configs
- We're not in the middle ages
- The more time you spend hacking the better