

## ← Module introd...to App Engine



Google Cloud

App Engine

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So we've discussed two GCP products that provide the compute infrastructure for applications: Compute Engine and Kubernetes Engine. What these have in common is that you choose the infrastructure in which your application runs.

Based on virtual machines for Compute Engine and containers for Kubernetes Engine. But what if you don't want to focus on the infrastructure at all? You just want to focus on your code. That's what App Engine is for. I'll tell you more about it in this module. Let's start with PaaS.

Recall that a PaaS is a platform as a service. The App Engine platform

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Recall that a PaaS is a platform as a service. The App Engine platform manages the hardware and networking infrastructure required to run your code. To deploy an application on App Engine, you just hand App Engine your code and the App Engine service takes care of the rest.

App Engine provides you with a built-in services that many web applications need. NoSQL databases, in-memory caching, load balancing, health checks, logging and a way to authenticate users. You code your application to take advantage of these services and App Engine provides them.

App engine will scale your application

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App Engine is a PaaS for building scalable applications



- App Engine makes deployment, maintenance, and scalability easy so you can focus on innovation



to take advantage of these services and App Engine provides them.

App engine will scale your application automatically in response to the amount of traffic it receives. So you only pay for those resources you use. There are no servers for you to provision or maintain.

That's why App Engine is especially suited for applications where the workload is highly variable or unpredictable like web applications and mobile backend. App Engine offers two environments: standard and flexible. I'll explain what each is and how to choose.



## App Engine is a PaaS for building scalable applications



- App Engine makes deployment, maintenance, and scalability easy so you can focus on innovation
- Especially suited for building scalable web applications and mobile backends





## Review

### Question 1/2

✓ 1.00/1.00 points

True or false: App Engine is a better choice for a web application than for long-running batch processing.



True.



False.

TAP CARD FOR DETAILS



## Review

Question 2/2

✓ 1.00/1.00 points

True or false: App Engine just runs applications; it doesn't offer any services to the applications it runs.



True.



False.

NEXT ITEM