

App Engine

App Engine is a PaaS for building scalable web applications and mobile backends.

App Engine manages the hardware, networking infrastructure, load balancing, monitoring and scaling, required to run your code.

Standard Environment

Your code on Google containers.

The App Engine standard environment is based on container instance running in Google's infrastructure. The containers used in the Standard Environment are specific to Google. Google provides runtimes for Java, Python, PHP and Go.

Sandbox constraints:

- No writing to local file system.
- Request timeouts at 60 seconds.
- Limit on 3rd-party software installations.

Flexible Environment

Your code running in your containers.

You would choose the flexible environment when your applications need more flexibility than the standard environment.

Pricing is based on Compute Engine usage.

	Standard Environment	Flexible Environment
Instance startup	Milliseconds	Minutes
SSH Access	No	Yes (not default)
Scaling	Manual, basic, automatic	Manual, automatic
Write to local disk	No	Yes (ephemeral)
3rd Pty Bin Support	No	Yes
Network Access	Via App Engine Services	Yes
Customizable Stack	No	Yes