Google

Google App Engine – the platform for your next great idea

Google App Engine

For more information, visit
http://cloud.google.com/appengine

simperium™

"We wouldn't be where we are today without Google App Engine. We would have spent too much time dealing with other things. You don't have to buy servers or hire people with the experience required to configure and maintain those servers. Google App Engine handles all that, so you can focus on developing your product."
—Mike Johnston, co-founder, Simperium

KHAN ACADEMY

"With Google App Engine, we don't need anyone dedicated to deploying our app. We spend 99 percent of our time working on our application."
—Ben Kamens, lead developer, Khan Academy

Google App Engine is an application hosting and development platform that powers everything from enterprise web applications to mobile games, using the same infrastructure that powers Google's global-scale web applications. Developers know that time-to-market is critical to success, and with Google App Engine's simple development, robust APIs and worry-free hosting, you can accelerate your application development and take advantage of simple scalability as the application grows.

With support for **Python, Java, and Go**, you don't have to change the way you work. Your application can take advantage of powerful APIs, High Replication data storage, and a completely hands-free hosting environment that automatically scales to meet any demand, whether you're serving several users or several million.

Google App Engine makes it easy to take your app ideas to the next level.

- **Quick to start** With no software or hardware to buy and maintain, you can prototype and deploy applications to your users in a matter of hours.
- **Simple to use** Google App Engine includes the tools you need to create, test, launch, and update your apps.
- **Rich set of APIs** Build feature-rich services faster with Google App Engine's easy-to-use APIs.
- **Immediate scalability** There's almost no limit to how high or how quickly your app can scale.
- **Pay for what you use** Get started without any upfront costs with App Engine's free tier and pay only for the resources you use as your application grows.

Worry-free hosting

Google App Engine uses the same proven, global infrastructure and advanced technology that hosts other Google apps, automatically delivering seamless scalability. Worrying about server configurations and load balancing becomes a thing of the past, as our reliability experts handle monitoring the system for you.

Simple development in Python, Java, and Go

Google App Engine offers support for Python version 2.5 or 2.7, Java version 5 or 6, and Google Go version 1. Developers can also take advantage of Java Virtual Machine (JVM) based support for JRuby and Rhino.

With the Google App Engine Software Development Kit (SDK), developers have everything they need to build and test their applications locally with simulated versions of App Engine's built-in services, taking the hassle out of setting up test environments.

High-availability NoSQL and SQL service

The built-in High Replication Datastore (HRD) NoSQL service, can store hundreds of terabytes of data with at least three independent replication sites, low-cost scalability, high transactional capabilities, a powerful query engine and no setup

Pocket Gems

"If we had used a different technology, we might not have been able to scale quickly enough. Google App Engine took care of everything, and we didn't have to worry."
—Harlan Crystal, co-founder and CTO, Pocket Gems

pulse

"As we've grown, App Engine has scaled with us. We've been able to scale to many orders of magnitude without having to re-architect our systems."
—Greg Bayer, Vice President of Platforms, Pulse

or configuration required. Google App Engine applications can also use Google Cloud SQL, currently in limited preview, a familiar relational database in a fully managed cloud environment.

Rich set of APIs and Services

Google App Engine has many built-in APIs and services that let developers quickly build robust apps with rich functionality including

- Logs, durable logging and programmatic access to application logs
- App Engine Map Reduce, for data processing and transformation
- Search API, easily create and query indexes from your application's data
- SSL support, choose from SNI or VIP to add industry standard SSL support to your application
- PageSpeed Service, optimize your application for speed and performance
- Google Cloud Endpoints, expose your application's services and data to mobile clients
- Blobstore API, serve large data objects
- Files API, for large file and data manipulation and simple integration with Google Cloud Storage
- XMPP API, send and receive instant messages
- Channel API, establish browser channels for instant updates to users
- Memcache API, provide temporary, high-speed data access through a high-performance memory cache
- Users API, authenticate users through Google Accounts or OpenID
- Task Queues & Cron, schedule application tasks to be performed hourly, daily, or in the background
- URL Fetch API, quickly retrieve content from web services and other Internet resources

Flexible pricing

Each Google App Engine application has a limited free quota, which can be used during development and to serve low-usage applications. As your resource usage grows, you pay only for what you use, eliminating the inefficiency of over-provisioning to prevent down time.

Premier Accounts are also available for customers interested in operational support and high-volume pricing. Please contact our sales department at **http://cloud.google.com/contact.html** for more information about Premier Accounts.

Data and Serving Location

Premier Account customers can choose to serve their applications and store data in either the United States or the European Union and pay in a limited number of local currencies, including Euros.

Service Level Agreement (SLA)

Google App Engine offers an SLA of 99.95 percent availability within a monthly billing cycle for paid applications using the High Replication Datastore. For more information about our SLA, please see **http://developers.google.com/appengine/sla.**

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