Google App Engine Overview

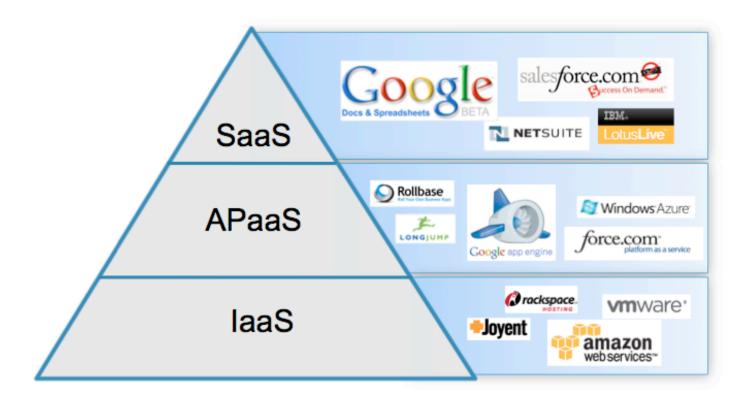


Eder Ignatowicz









Google App Engine

- Fácil de construir;
- Fácil de manter;
- Fácil de "escalar";



Google App Engine

- Números
- 250+ mi page views;
- I00k+ desenvolvedores





Word source: http://en.wikipedia.org/wiki/App_Engine



















iLike.













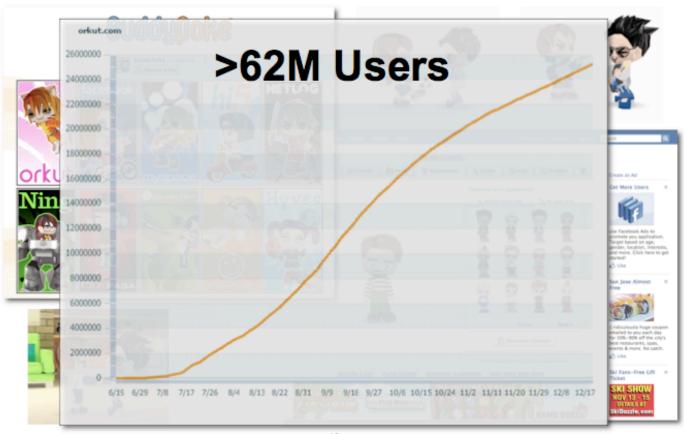








Social networking at scale



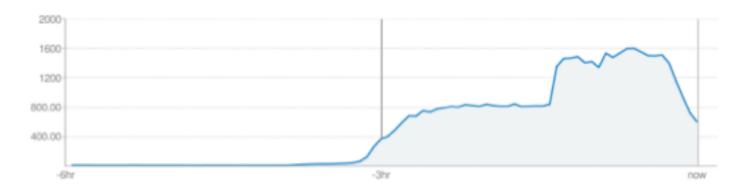
gigya Socialize



ECBS SPORTS COLLEGE FOOTBALL

gigya Socialize

Flexible Scalability



"Although we typically host all our services in-house, on our own infrastructure, we felt that GAE would be a better fit for the live chat feature because of its unique traffic pattern, which is characterized by very low traffic most of the time with very high bursts during high profile events."

Raviv Pavel, Gigya VP of Research and Development

Porque App Engine GAE?

Gerenciar tudo é difícil...



DIY implica em muitos gastos "escondidos"

- Idle capacity
- Software patches e upgrades
- Licenças
- Manutenção
- Tráfego
- Upgrades

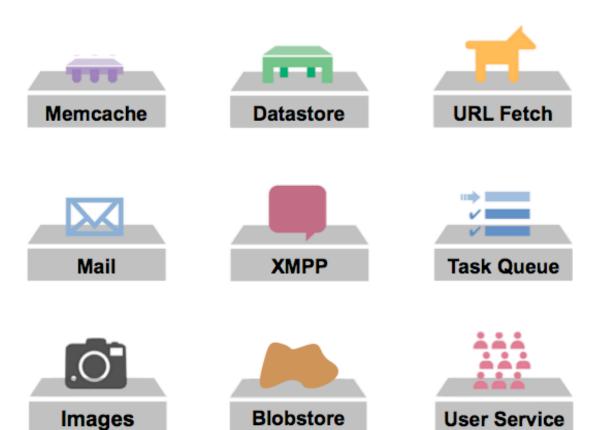
Desenvolva pra Cloud "in a box"

SDK & "The Cloud"
Hardware
Networking
Operating system
Application runtime
Java, Python
Static file serving
Services
Fault tolerance
Load balancing

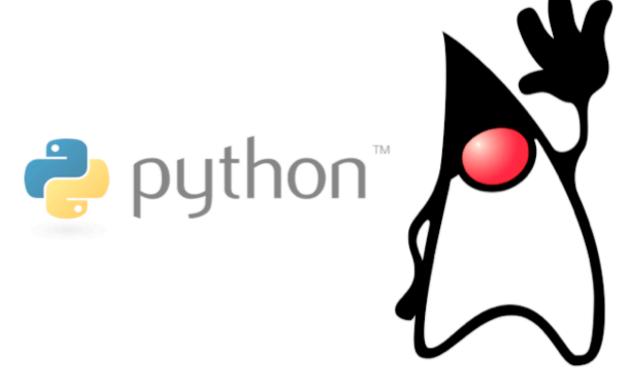


Detalhes...

Serviços Oferecidos

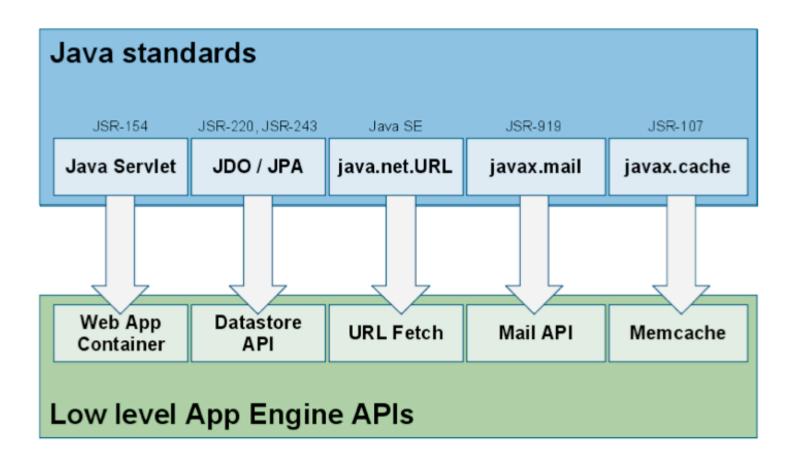


Linguagens



Duke, the Java mascot Copyright © Sun Microsystems Inc., all rights reserved.

Portabilidade com APIs



Muitas Linguagens através da JVM

- Java
- Scala
- JRuby (Ruby)
- Groovy
- Quercus (PHP)
- Rhino (JavaScript)
- Jython (Python)



Duke, the Java mascot

Grátis para começar

- -~5M pageviews/month
- 6.5 CPU hrs/day
- 1 GB storage
- 650K URL Fetch calls/day
- 2,000 recipients emailed
- 1 GB/day bandwidth
- 100,000 tasks enqueued
- 650K XMPP messages/day

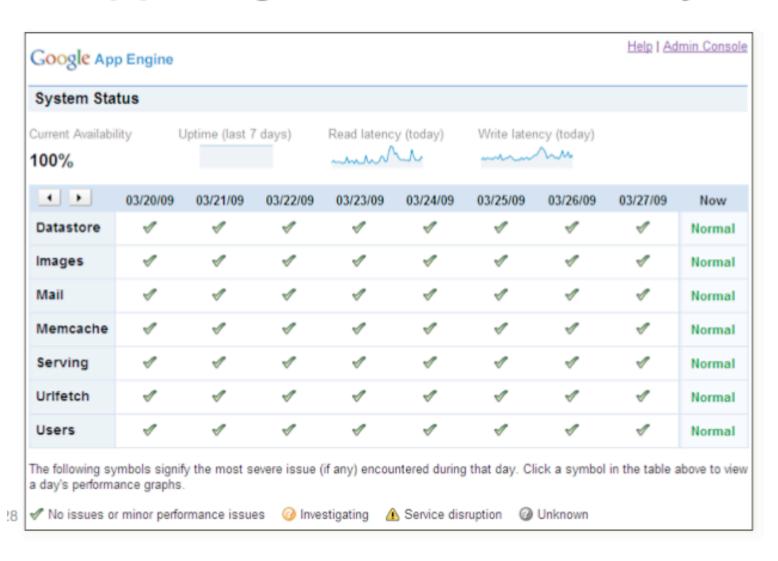
Plataforma de gerenciamento



App Engine Dashboard



App Engine Health History



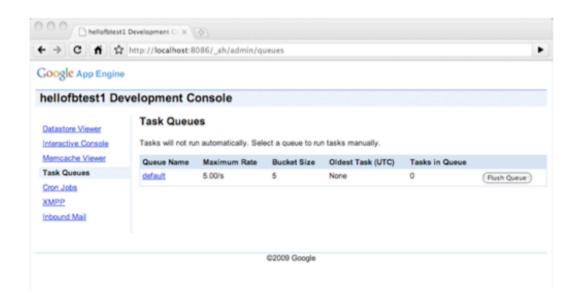
Ferramentas de Desenvolvimento



Google App Engine Launcher

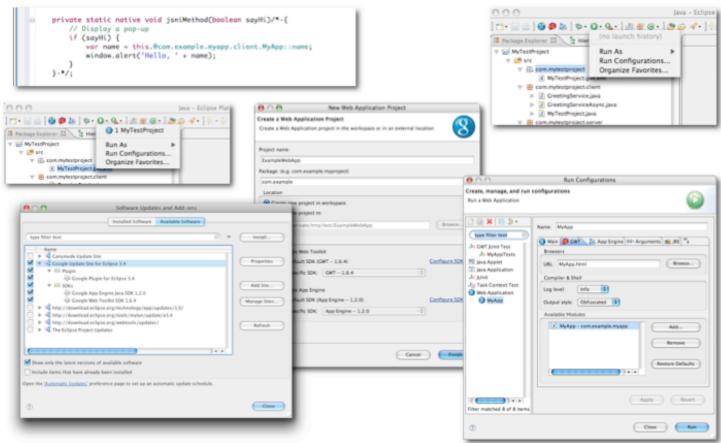
0	00	GoogleAppEngineLauncher	
R	tun Stop Brow	vse Logs SDK Console Edit Des	oloy Dashboard
	Name	Path	Port
0	test1	/Users/cschalk/python-appengine/test1	8080
0	halaka-dict	/Users/cschalk/python-appengine/halaka	8081
0	loermap	/Users/cschalk/python-appengine/loermap	8082
0	helloworld	/Users/cschalk/python-appengine/helloworld	8083
0	holaitba	/Users/cschalk/holaitba	8084
0	svedka	/Users/cschalk/python-appengine/svedka	8085
+ -			

SDK Console

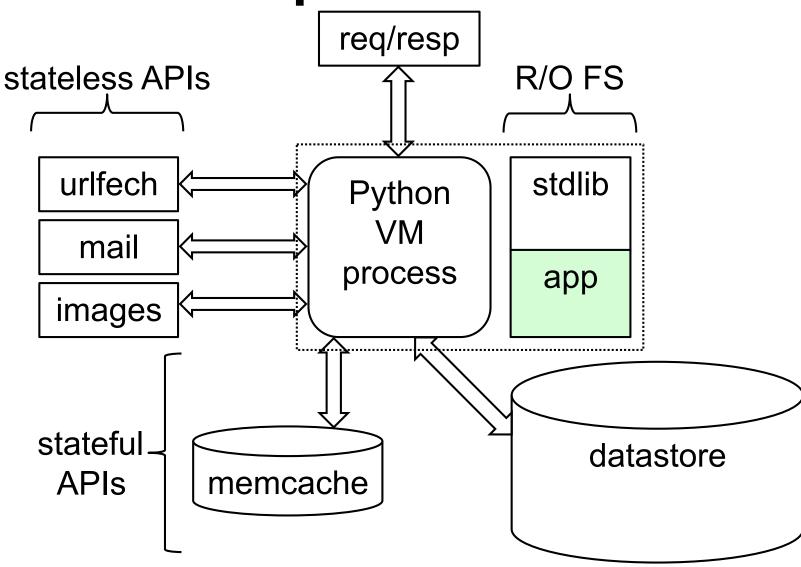


Google Plugin for Eclipse

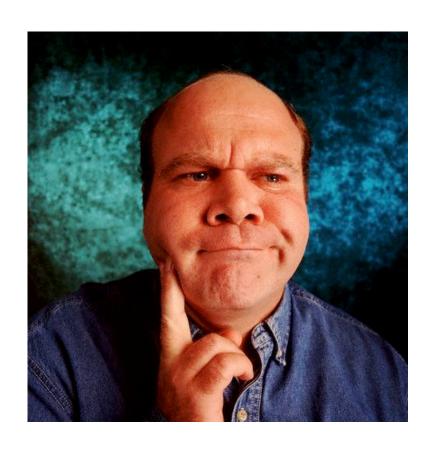




Arquitetura



Dúvidas?



Hello World?

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