AppScale

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What is Google App Engine?

- GAE lets you run web application on Google's infrastructure
- No need to maintain servers
- Once you upload, you can serve from:
 - -your own domain
 - -free name on appspot.com domain
- Pay what you use
- Costs nothing to get started

What is AppScale?

Implements GAE in open source

- Two deployment strategies
 - On-premise clusters
 - Private-public cloud systems

Google Compute Engine, Microsoft Azure, Amazon EC2, Alibaba Cloud, OpenStack, CloudStack, Eucalyptus, as well as KVM, Xen, VirtualBox, and VMWare.

Automatically configures, deploy, scales

APPSCALE APIs

- Datastore AppDB
- Memcache memcached
- URL Fetch urllib2
- Blobstore API custom server built on Tornado
- XMPP ejabberd
- Channel API ejabberd and strophejs
- Mail sendmail
- Images Python Imaging Library (PIL)
- Task Queue RabbitMQ
- Users AppScale Dashboard

APPSCALE APIs

MapReduce Streaming API

EC2 API

Supports applications written in Python, Java, PHP, and Go.

Benefits of using Appscale

- Hybrid cloud platform
 - Scalability
 - Cost efficiencies
 - Security

- Open sourcePlatform as a service
- Typhoon similar solution

Starting with AppScale

- Install VirtualBox
- Install Vagrant
- Install Appscale on local machine

Easy to set up and work with..

- appscale init cluster
- appscale up
- appscale deploy ~/sample-apps/python/guestbook
- appscale relocate guestbook 80 443
- appscale remove guestbook
- appscale status
- appscale ssh
- appscale down
- appscale clean

References

AppScale Documentation, release 1

https://github.com/AppScale/

https://cloud.google.com/appengine/