

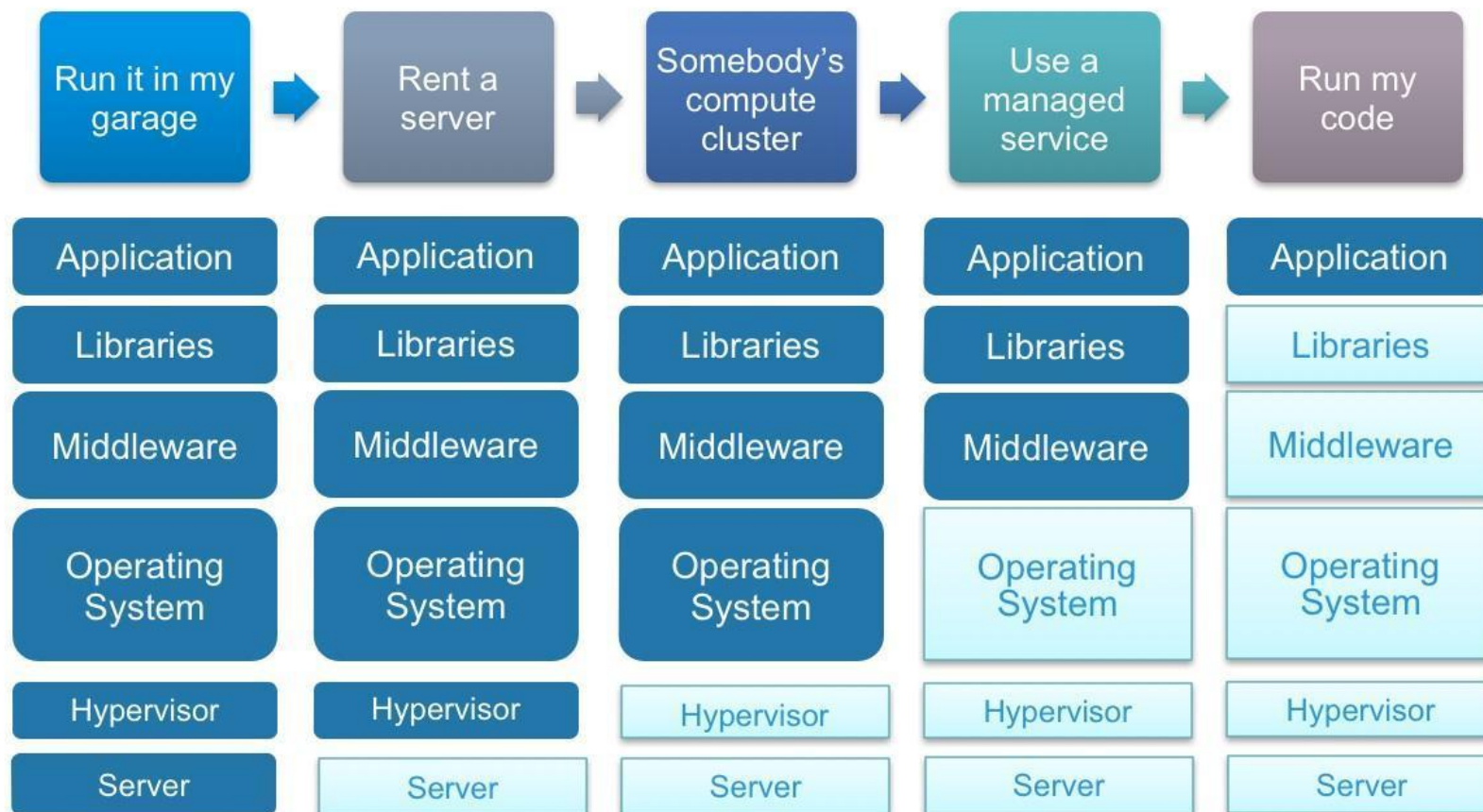


Google App Engine

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COO
SFEIR

Life-cycle of a start-up







Google App Engine - Pricing and Features

Create apps on Google's platform that are easy to manage and scale at a low total cost.

	Free	Paid	Premier
Platform fee	Free	\$9/app/month	\$500/account/month
Dynamic scaling	✓	✓	✓
Java Runtime	✓	✓	✓
Python Runtime	✓	✓	✓
Go Runtime	✓	✓	✓
Usage based pricing		✓	✓
Infinitely scalable		✓	✓
SLA		✓	✓
Operational support			✓

Tools

Google Plugin for Eclipse	✓	✓	✓
Code upload/download	✓	✓	✓
Graph History	✓	✓	✓
Request Logs	✓	✓	✓
Developer Access Control	✓	✓	✓

Hosting

	Free quota per app per day	Price
On-demand Frontend Instances	28 free instance hours	\$0.08 / hour
Reserved Frontend Instances		\$0.05 / hour
High Replication Datastore	1G	\$0.24 / G / month
Outgoing Bandwidth	1G	\$0.12 / G
Incoming Bandwidth		Free

APIs

Datastore API	50k free read/write/small	\$0.10/100k write ops \$0.07/100k read ops \$0.01/100k small ops
Blobstore API	5G	\$0.13 / G / month
Email API	100 recipients	\$0.01 / 100 recipients
XMPP API	10k stanzas	\$0.10 / 100k stanza
Channel API	100 channels opened	\$0.01 / 100 channels opened
Image Manipulation API	✓	✓
Memcache API	✓	✓
Users API	✓	✓
Task Queue	✓	✓
Files API	✓	✓
URL Fetch API	✓	✓
Cron	✓	✓
Prospective Search API (experimental)	✓	✓



Security

Question: can your company afford to invest more in security than Google already does ?

- SAS70, SSAE-16, and ISAE3402-certified
- Google invests heavily in R&D and in security. Everyday.
- White paper :

<http://www.google.com/about/datacenters/inside/data-security.html>

9 months in the life of App Engine



Out of Preview
MapReduce (Exp)
99.95% SLA
Python 2.7 (Exp)
Premier Accounts

1.6.0 [11/2011]



HRD Migration Tool
Log Reader API
(Exp)
Frontend Instance
Classes

1.6.1 [12/2011]



Backup/Restore
(Exp)
Django + Cloud SQL

1.6.2 [01/2012]



Python 2.7 (GA)
Traffic Splitting (Exp)
Expanded Logs
Storage

1.6.3 [02/2012]



Thread Support
Memcache viewer
NDB for Python
(GA)

1.6.4 [03/2012]



Projection Queries
Task Queue Stats

1.6.5 [04/2012]



Search API (Exp)

1.6.6 [05/2012]



EU Datacenters
SSL for Custom
Domain (GA)
Cloud Endpoints
Cloud SQL Open
PageSpeed

1.7.0 [06/2012]

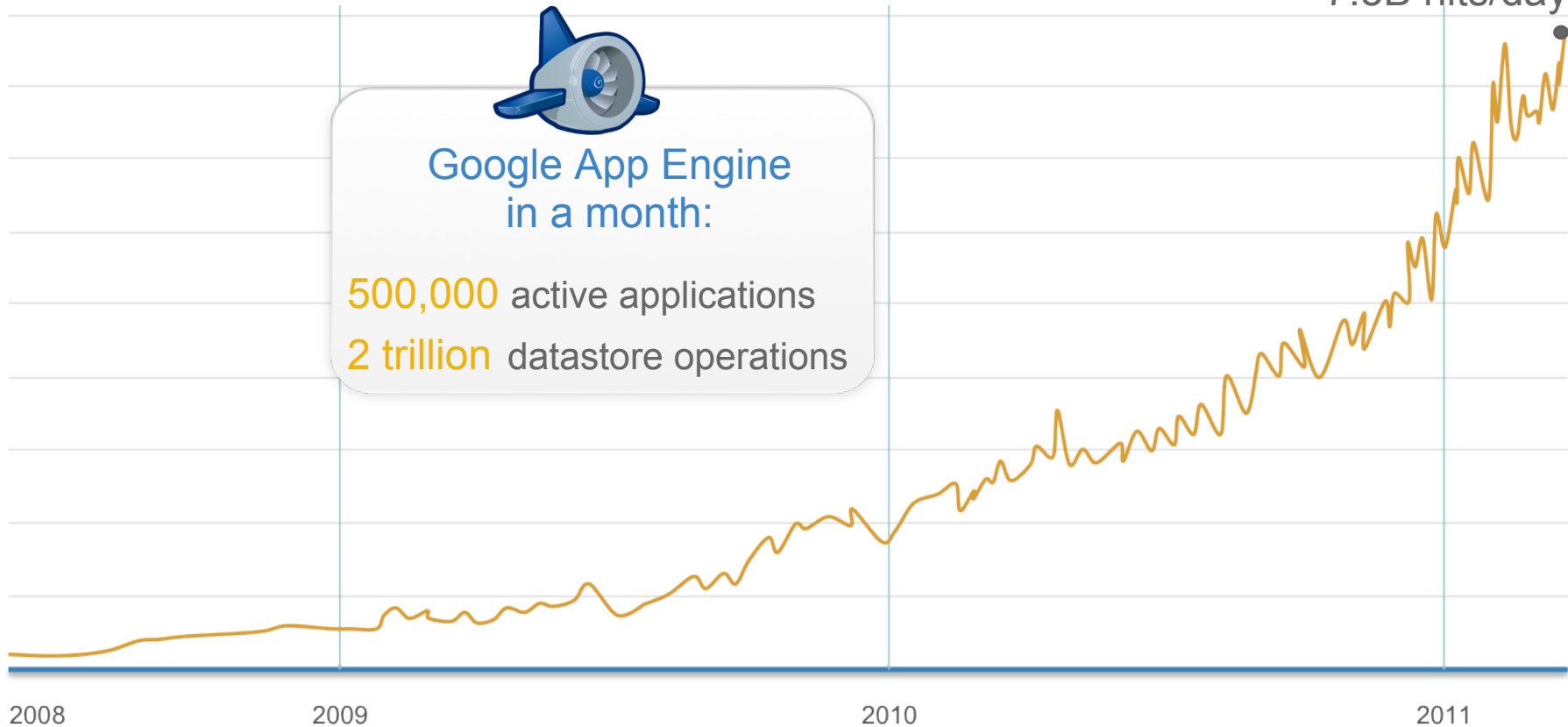


Google App Engine in a month:

500,000 active applications

2 trillion datastore operations

7.5B hits/day



App Engine
Launch
Python
Datastore
Memcache
logs export

Batch write/read
Https
Status-
Dashboard

Java
DB Import
cron

Task Queues
XMPP
incoming email

Blobstore
Appstats
cursors
Mapper

Multitenancy
Instance Console
Always On
hi-perf imag
10 min tasks

Hi-Replication
Datastore
Channel API
Files API
Remote API
Search API



Google AppEngine : A **Cloud** Application Server



CloudSQL



- Fully-managed, highly-available relational DB
- Developer Console
- Synchronous replication over multiple Data Centers
- Google AppEngine integration (JDBC, JPA 2.0, ...)
- MySQL Import/Export, Scheduled backups
- Co-exists with Datastore
- Support in Google Eclipse Plugin
- Requires explicit authorization of AppEngine apps
- Now fully available and supported

(Full-Text) Search API

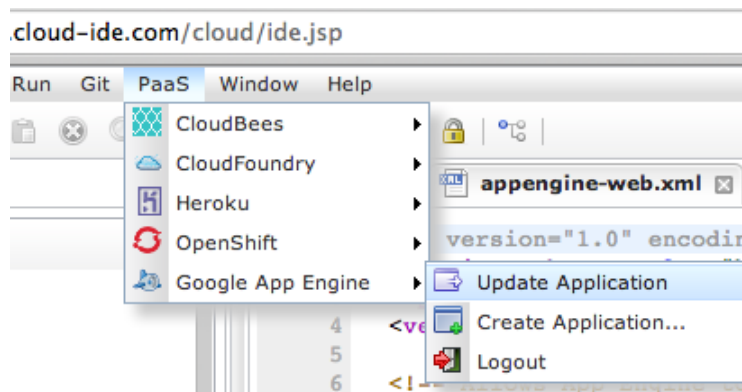
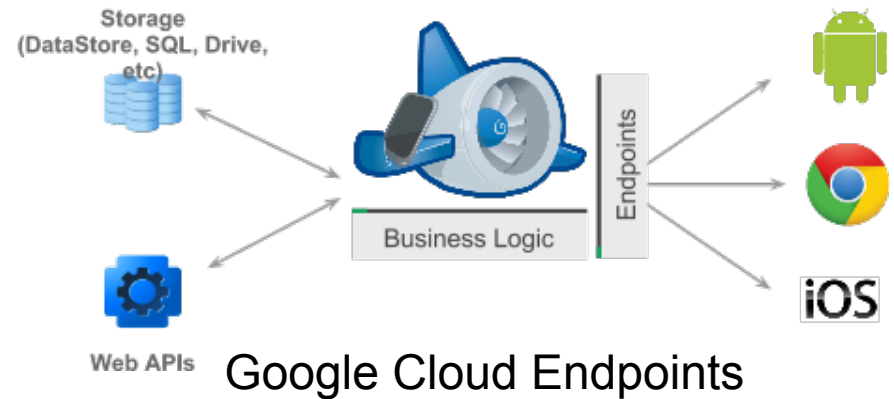
- “Google” queries over non-structured content
 - Find an email
 - Find a document
 - Navigate an activity stream
- Index content as documents
 - Index creation
 - Natural or explicit ordering
- Build and execute queries
- Present results
 - Sorting options
 - Cursors and pagination



Recent improvements



AppEngine
EU Datacenters



We're only getting started...

- Supported Product (November 2011)
- 99.95% SLA
- Fully-managed with dedicated reliability staff
- Security
- Strong growth !
- Now with an IaaS sister project !
 - Google Compute Engine



Google™



Google
Forbes®



ROVIO

Buddypoke™




UBISOFT™

Conférence des Évêques de France

actus ▼ diocèses ▼ ressources ▼ accès direct sites ▼
[Retourner à l'ancienne version](#)

Partager :



Horaires
Carte
Annuaire
Actualité

Connexion

Rechercher messe / célébration

Rechercher sur une carte

Rechercher église / lieu de culte

▶ Aide à la recherche
[Afficher les prochaines messes autour de levallois-perret](#)


Contactez-nous

Exemples de recherches:
[levallois-perret](#)
[94800](#)
[st malo](#)
[76 st etienne](#)
[vincennes](#)

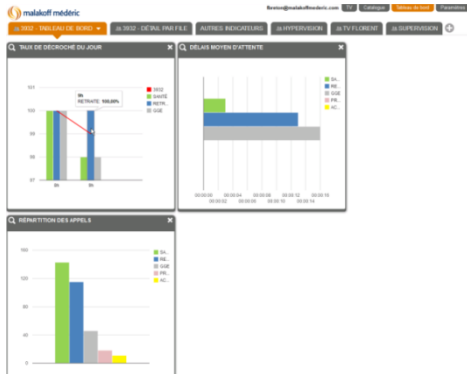
Dernières recherches:
[FONTENAY COMTE](#)
[lyon](#)
[PAROISSE THEVE ET NONETTE](#)
[ESTREES SAINT DENIS](#)
[FONTENAY COMTE](#)

BLOG BIOÉTHIQUE

Se former, s'informer, dialoguer



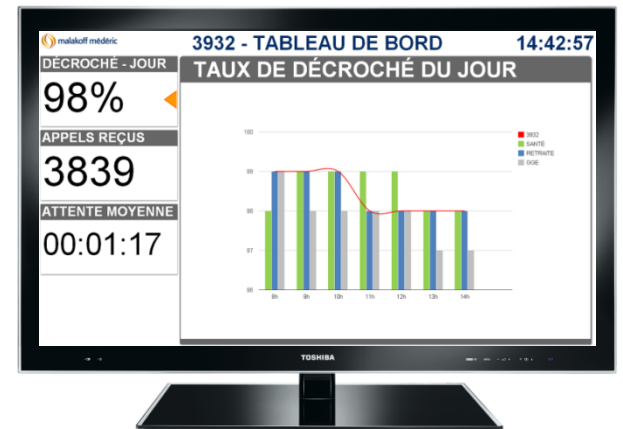
Malakoff Mederic



WEB



Smartphone



Tv

Java sur le Cloud,
la fin des standards ?

Doit-on avoir un
Java Cloud Edition ?

Java EE (~~7~~ 8)
a-t-il un intérêt ?

Est-ce que Java est le bon langage pour le Cloud ?

Qu'est ce qui vous retient de
faire du Java dans le Cloud ?