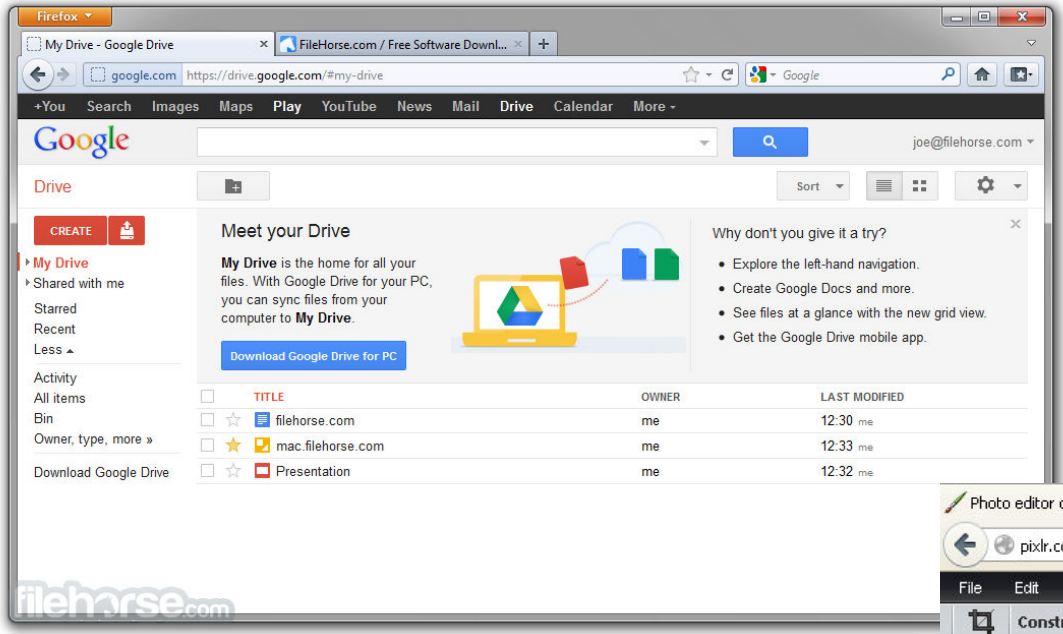
10

Cloud Computing

Pengantar Teknik Informatika (HUG1M2)

20131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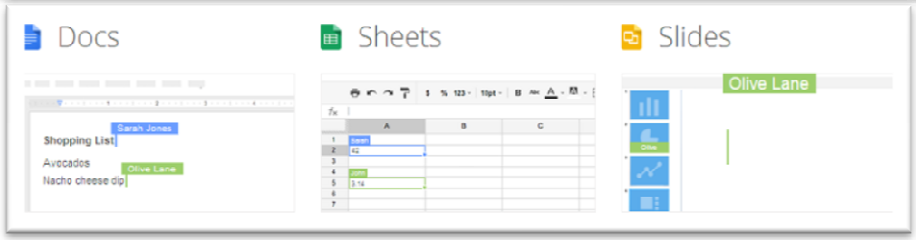
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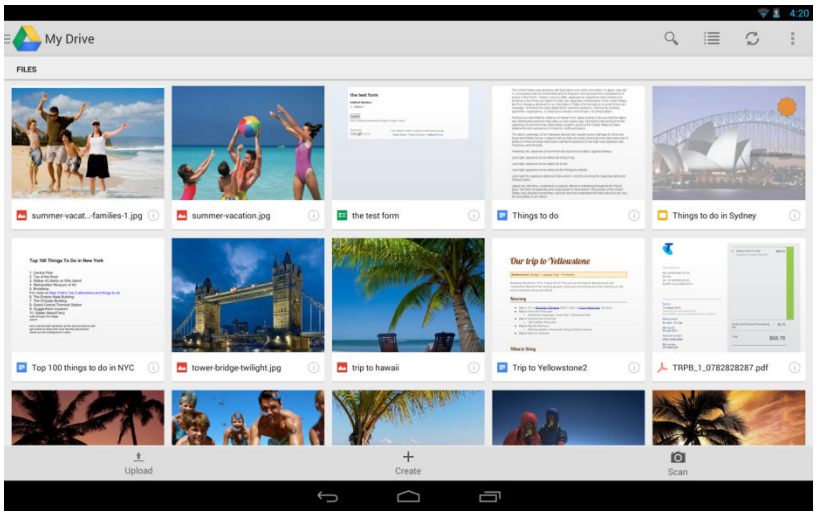
Olive Lane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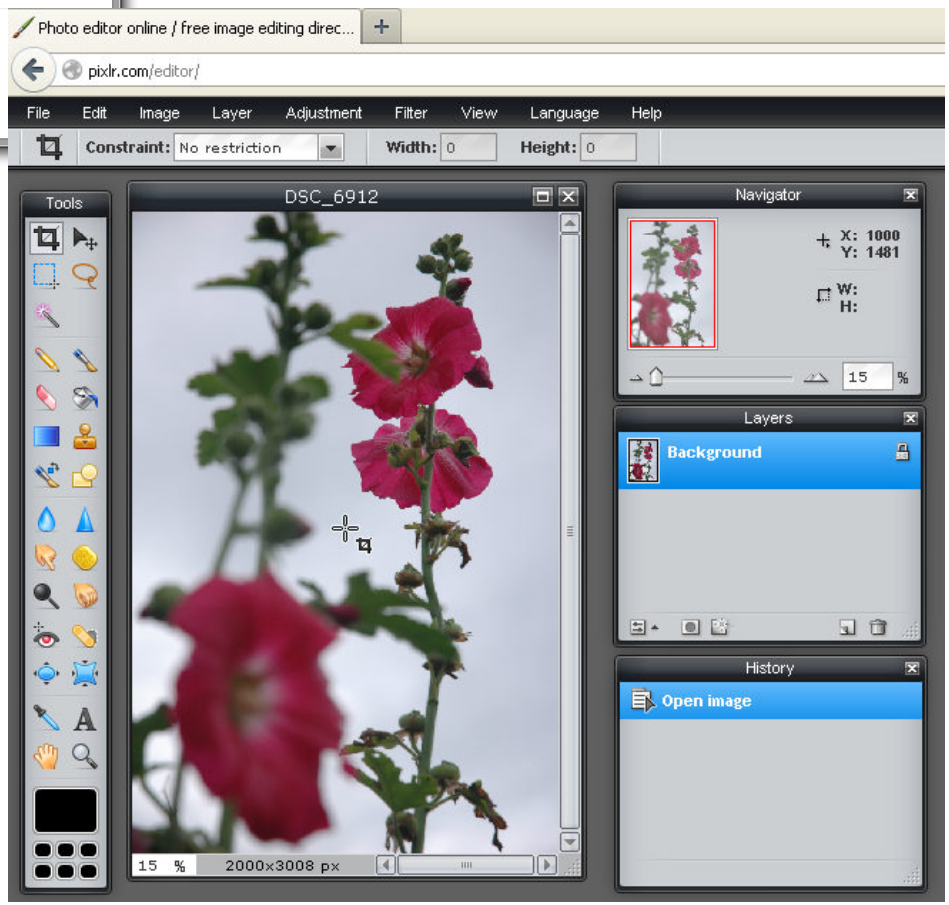
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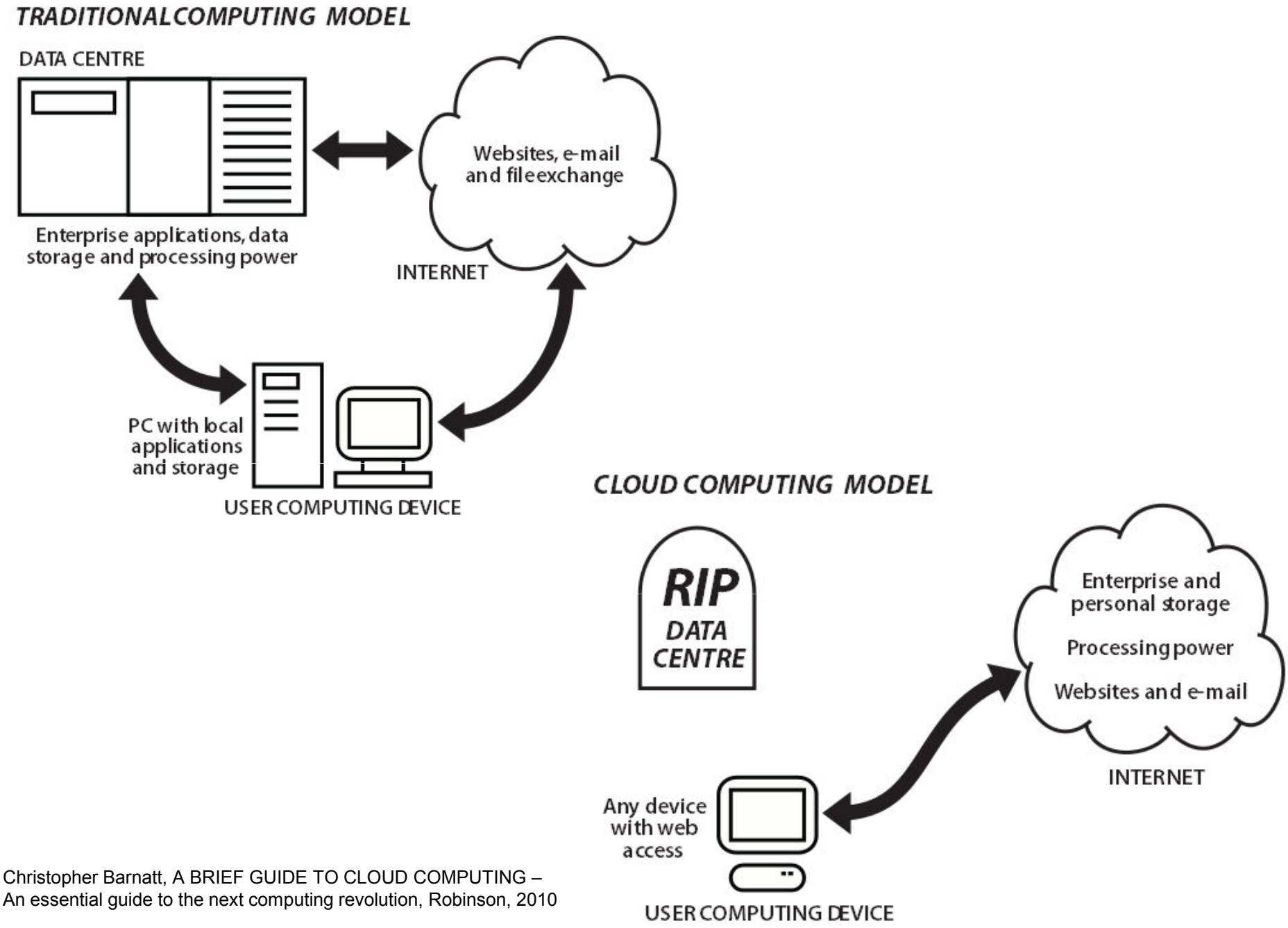
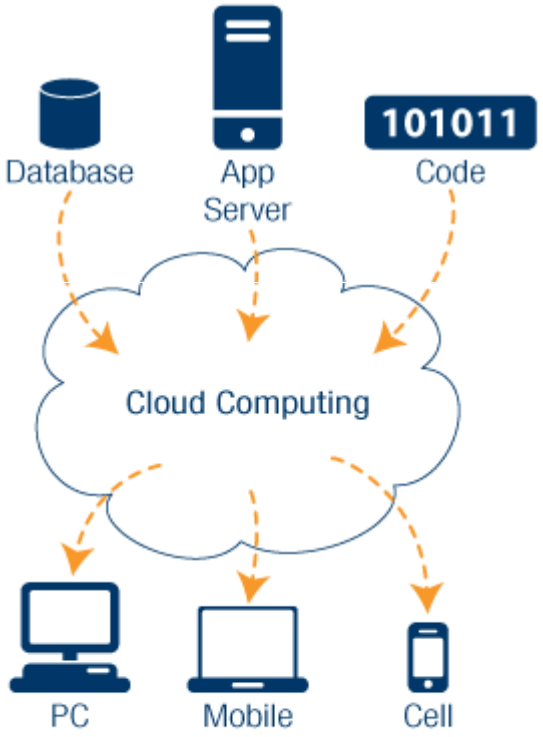


Christopher Barnatt, A BRIEF GUIDE TO CLOUD COMPUTING –
An essential guide to the next computing revolution, Robinson, 2010

Cloud computing

- is the use of **computing resources** (hardware and software) that are delivered **as a service** over a network (typically the Internet).
- entrusts remote services with a user's data, software and computation.



http://en.wikipedia.org/wiki/Cloud_computing

http://www.syndromic.org/resources/cloud-computing

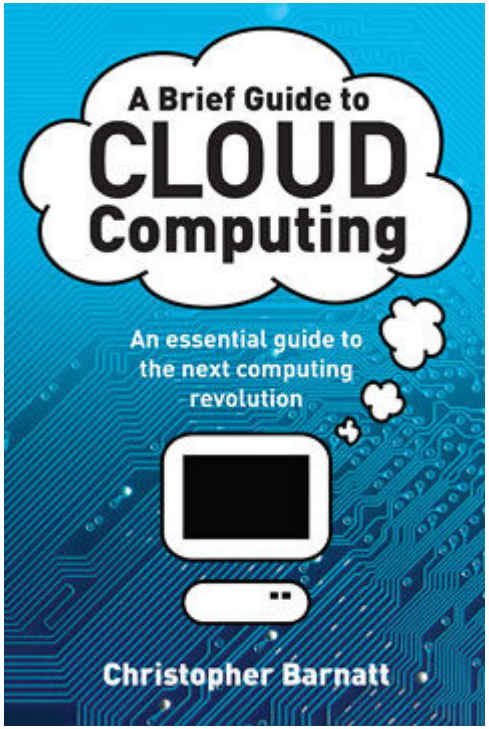
- **End users** access cloud-based applications through a web browser or a light-weight desktop or mobile app
- while the business software and user's data are stored on servers at a remote location

http://en.wikipedia.org/wiki/Cloud_computing

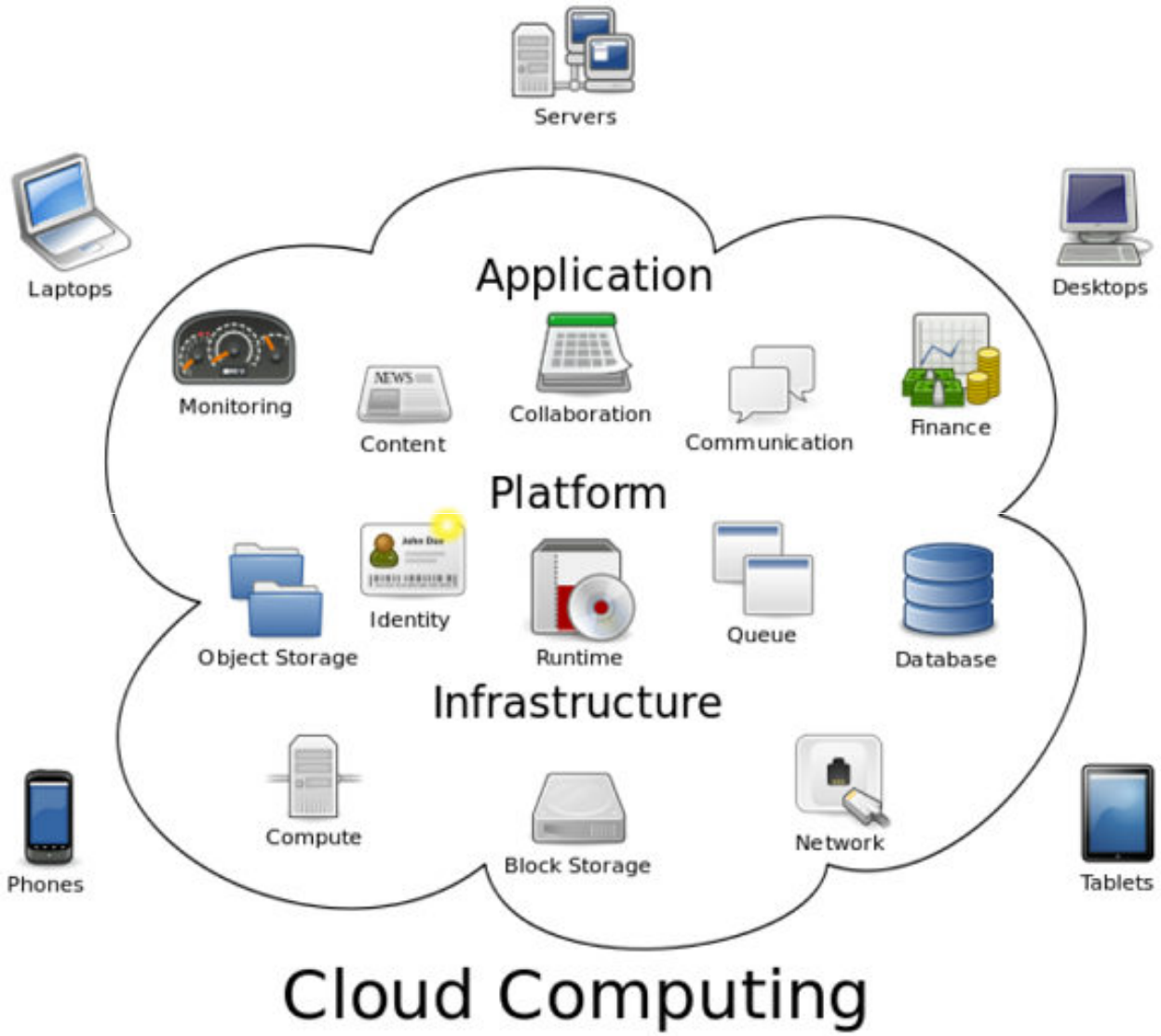
Cloud computing

- is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.

"The NIST Definition of Cloud Computing"
http://csrc.nist.gov/publications/nistpubs/800-145/SP800-145.pdf



http://explainingcomputers.com/bgcc.html



http://en.wikipedia.org/wiki/Cloud_computing

Software as a Service (SaaS)

- Cloud-based applications—or software as a service (SaaS)—run on distant computers "in the cloud" that are owned and operated by others and that connect to users' computers via the Internet and, usually, a web browser.

http://www.ibm.com/cloud-computing/uk/en/what-is-cloud-computing.html

Platform as a Service (PaaS)

- Platform as a service provides a cloud-based environment with everything required to support the complete lifecycle of building and delivering web-based (cloud) applications—without the cost and complexity of buying and managing the underlying hardware, software, provisioning and hosting.

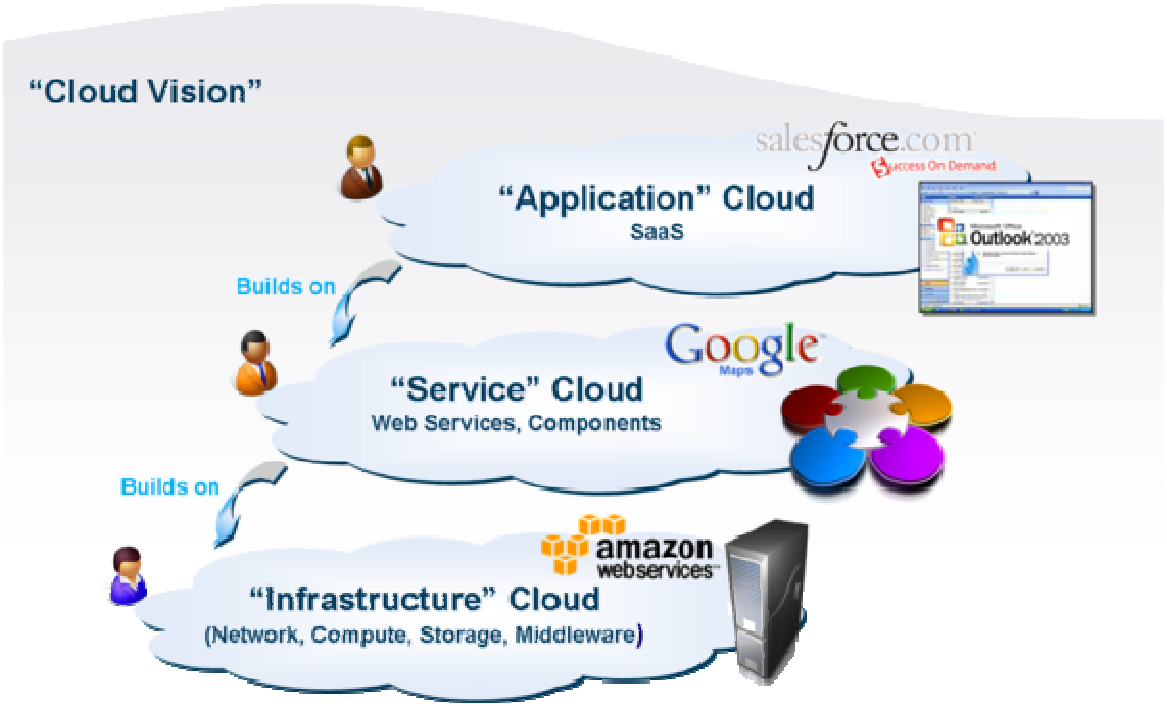
http://www.ibm.com/cloud-computing/uk/en/what-is-cloud-computing.html

Infrastructure as a Service (IaaS)

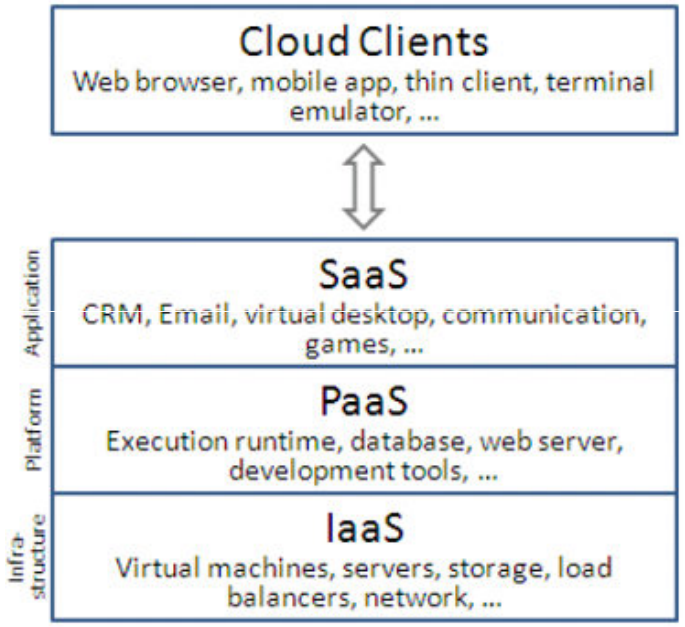
- Infrastructure as a service provides companies with computing resources including servers, networking, storage, and data centre space on a pay-per-use basis.

http://www.ibm.com/cloud-computing/uk/en/what-is-cloud-computing.html

SaaS – PaaS - IaaS



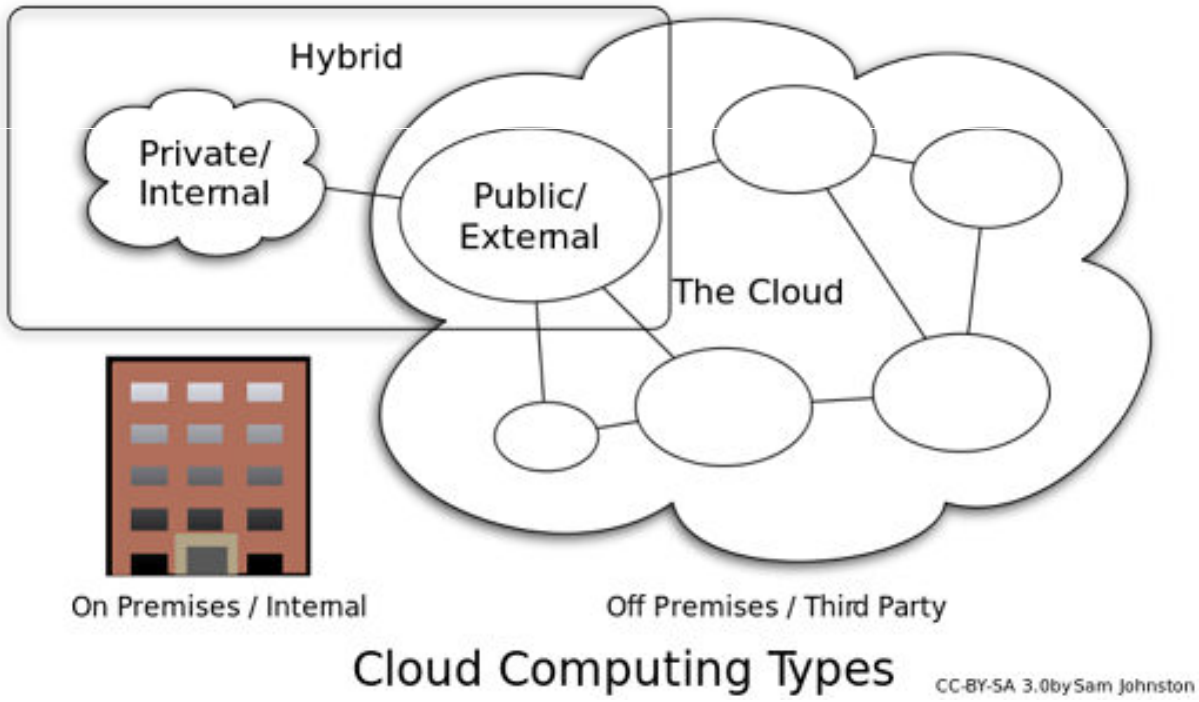
http://kasunpanorama.blogspot.com/2010/07/understanding-cloud-computing-feel-easy.html



http://en.wikipedia.org/wiki/Cloud_computing

Deployment Models

- Public
- Community
- Private
- Hybrid



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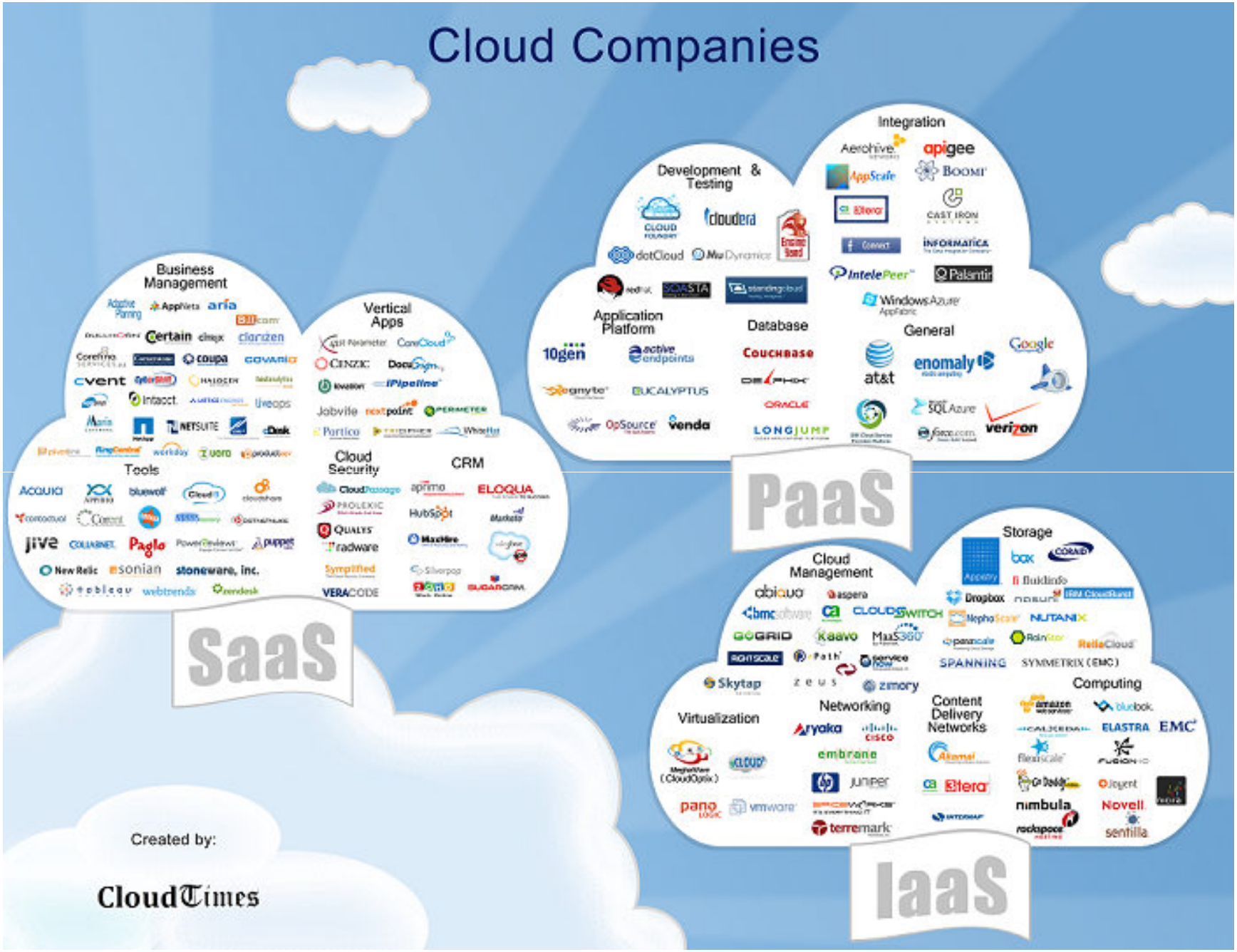
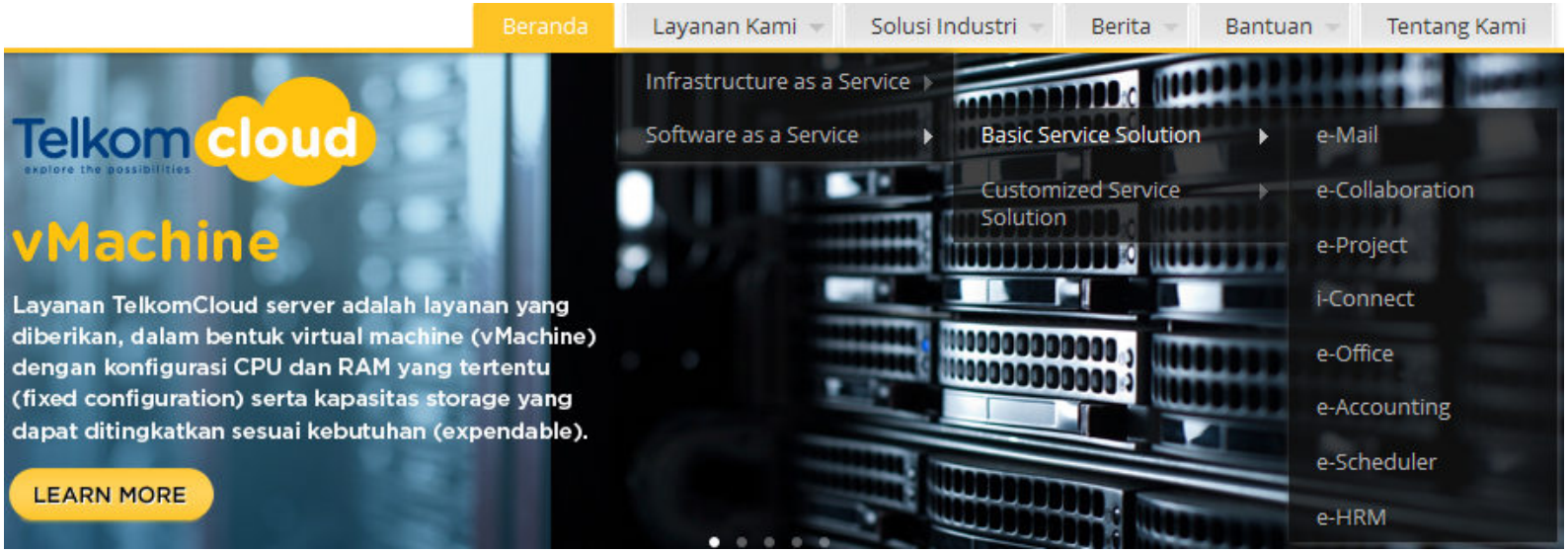
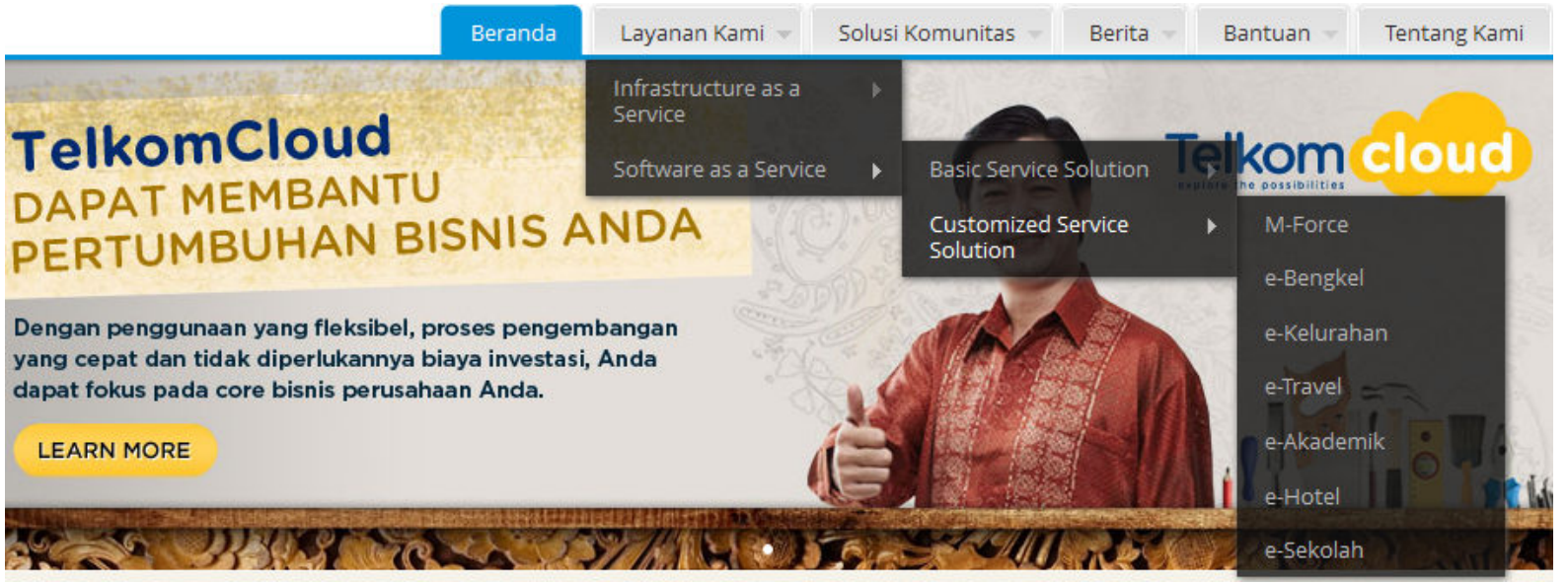
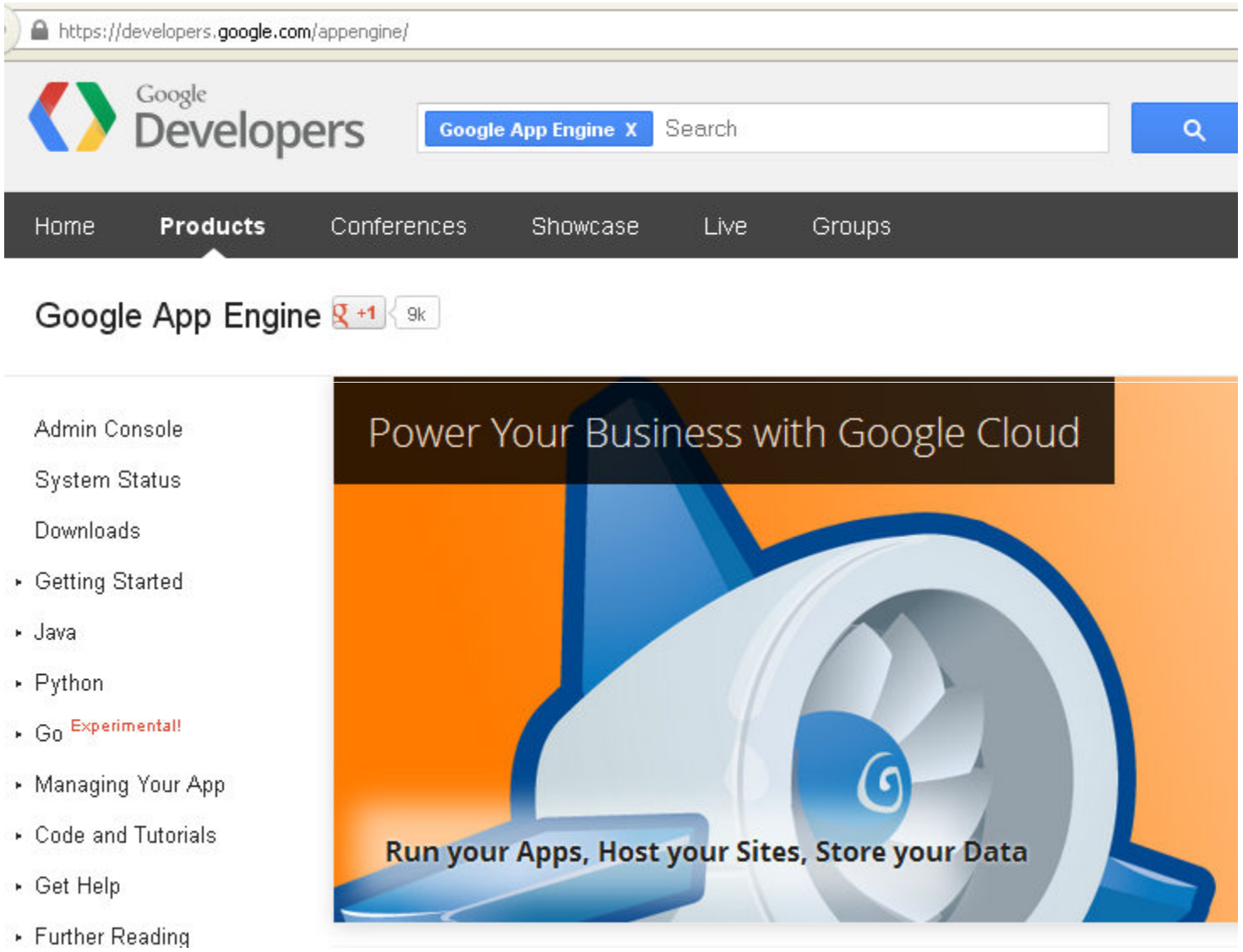

Cloud Companies
Business Management
Vertical Apps
Tools
Cloud Security
CRM
SaaS
Development & Testing
Integration
Application Platform
Database
General
PaaS
Cloud Management
Storage
Virtualization
Networking
Content Delivery Networks
Computing
IaaS
Created by:
CloudTimes

Pros and Cons

From http://blogs.zdnet.com/Hinchcliffe





http://www.telkomcloud.com

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