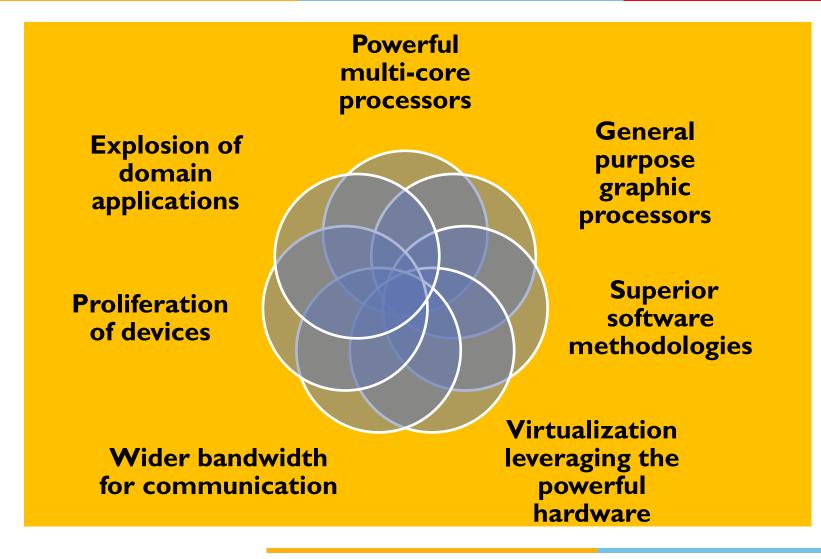




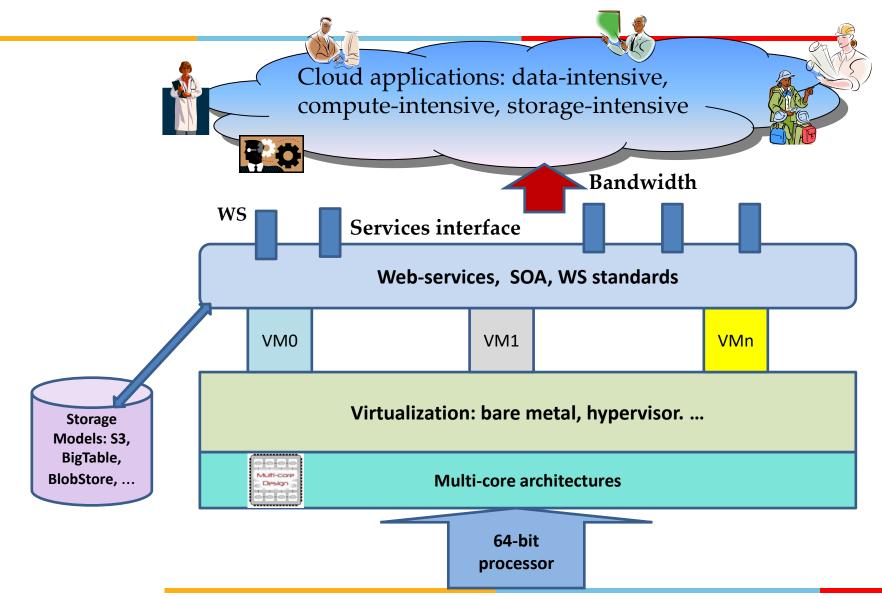
Cloud Computing
SEWP ZG527

Motivation



- 1. Web Scale Problems
- 2. Web 2.0 and Social Networking
- 3. Information Explosion
- 4. Mobile Web

Technology Advances



What is Cloud Computing?

Cloud Computing is a general term used to describe a new class of network based computing that takes place over the Internet,

- basically a step on from Utility Computing
- a collection/group of integrated and networked hardware, software and Internet infrastructure (called a platform).
- Using the Internet for communication and transport provides hardware, software and networking services to clients
 These platforms hide the complexity and details of the underlying infrastructure from users and applications by providing very simple graphical interface or API (Applications Programming Interface).

What is Cloud Computing cont....

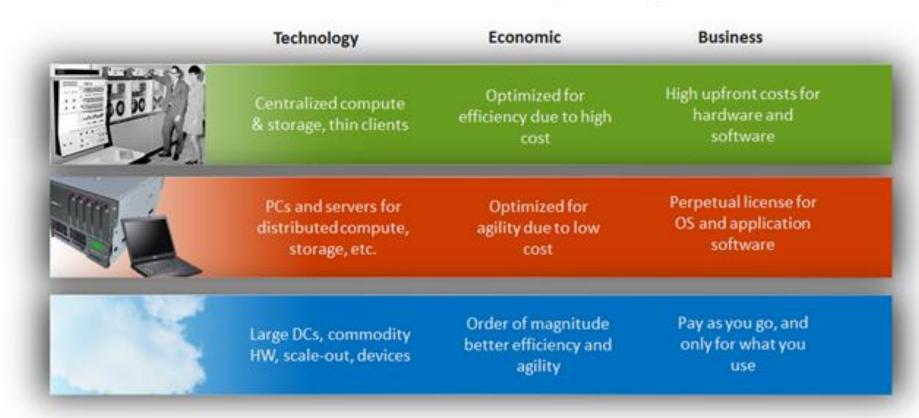
In addition, the platform provides on demand services, that are always on, anywhere, anytime and any place.

Pay for use and as needed, elastic

- scale up and down in capacity and functionalities
 The hardware and software services are available to
- general public, enterprises, corporations and businesses markets

Drivers for the new Platform

Generational Shift of Computing Platform



http://blogs.technet.com/b/yungchou/archive/2011/03/03/chou-s-theories-of-cloud-computing-the-5-3-2-principle.aspx

Cloud Summary



- Shared pool of configurable computing resources
- On-demand network access
- Provisioned by the Service Provider