

list of supporters

open cloud manifesto

dedicated to the belief that the cloud should be open

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Den gode



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# Definition: What is Cloud Computing?



- ” cloud computing is really a **culmination of many technologies** such as grid computing, utility computing, SOA, Web 2.0”
- ” The key characteristics of the cloud are the **ability to scale** and **provision computing power dynamically in a cost efficient way** and the ability of the consumer (end user, organization or IT staff) to make the most of that power **without having to manage the underlying complexity of the technology**. The cloud architecture itself can be **private** (hosted within an organization’s firewall) or **public** (hosted on the Internet).”

# Value propositions of Cloud Computing



Scalability on Demand



Streamlining the Data Center



Improving Business Processes

"...allowing everyone involved to focus on the business process instead of the infrastructure..."



Minimizing Startup Costs

# Challenges and Barriers to Adoption of Cloud Computing



↑ Security



— Data and Application Interoperability

“... cloud providers need to support interoperability standards ...”



↑ Data and Application Portability



↓ Governance and Management

“... cloud providers must work together to resolve ... lifecycle management, licensing, and chargeback ...”



↑ Metering and Monitoring

Missing:



↓ Trust



↓ Legal issues



↓ Performance

# The Goals of Cloud Computing



## Choice

“If the organization needs to change providers ... they can do so easily”



## Flexibility

“An open cloud will make it easy for organizations to interoperate between different cloud providers”



## Speed and Agility

“... scale hardware and software as needed”



## Skills

“With an open cloud, there will be a smaller set of new technologies to learn”

# Principles of Cloud Computing



— Cloud providers must work together and follow standards <sup>+</sup>



↓ Cloud providers must not use their market position to lock customers



↑ Adopt existing standards wherever appropriate



— Be pragmatic and avoid creating too many new standards



↑ Community effort should be driven by customer needs



— Communities should work together ... making sure that efforts do not overlap <sup>+</sup>

# My conclusion about Open Cloud Manifesto

## Definition



## Value propositions



## Principles



## Challenges and Barriers



## Goals

