

The Future of Cloud Computing

26 January 2010

European Commission
Information Society and Media



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Cloud Computing

- Why are we interested?
 - Not a new technology
 - A change in the use of technology
- Internet of Services
- Benefits for Industry
- Greener IT

Cloud Computing = Leveraging the power
of the Internet within a globalised
economy

Cloud Computing

Challenges for Industry

- Control
- Performance
- Transparency
- Reliability
- Privacy & legal issues
 - Where is my data?
 - Who can access it?
 - Whose law applies?
 - What rights do I have?



Cloud Computing

Challenges for Industry

- Vendor strategy
 - Control the technology stack
 - Seamless offerings
 - Concentration/centralisation
 - Less choice for users
- Changes in competitiveness?
- Vendor lock-in & standards
- Cloud Interoperability & Portability

Cloud Computing

For Europe

- Build on Service Oriented Architecture / Grid technologies / Telecom /Media
- Focus R&D investment
- Affordable broadband
- Open standards
- Data protection

Cloud Computing

- Expert groups
 - Set-up in Spring 2009 by DG INFSO/D3
 - Act as advisory body
 - Prepare a Cloud Computing strategic vision and research directions
 - Met twice (May & Oct) and produced a report

Cloud Computing

- Expert group work
 - State of the Art and State of Play of Cloud Computing market and research
 - Gap analysis
 - SWOT analysis of European industry and research in Cloud Computing
 - Vision for Cloud Computing and positioning of Europe in terms of technology and applications
 - Prioritisation of research topics
 - Recommendations for concrete actions (research and policy)

Cloud Computing

We are here today to

- Ask questions about today's cloud solutions
- Assess opportunities & risks for Europe
- Look at what has been done
- Propose the next steps