

DIGIT Directorate-General
for Informatics



Cloud computing and the European Commission

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EUROPEAN
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Cloud Computing – definition

- **Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources that can be rapidly provisioned and released with minimal management effort or service provider interaction**
- **Essential characteristics: on-demand self-service, broad network access, resource pooling, rapid elasticity, measured service**
- **Service models: Cloud Software/Platform/Infrastructure as a Service**
- **Deployed as private (community), public or hybrid cloud**

NIST: <http://www.nist.gov/itl/cloud/upload/cloud-def-v15.pdf>



Challenges

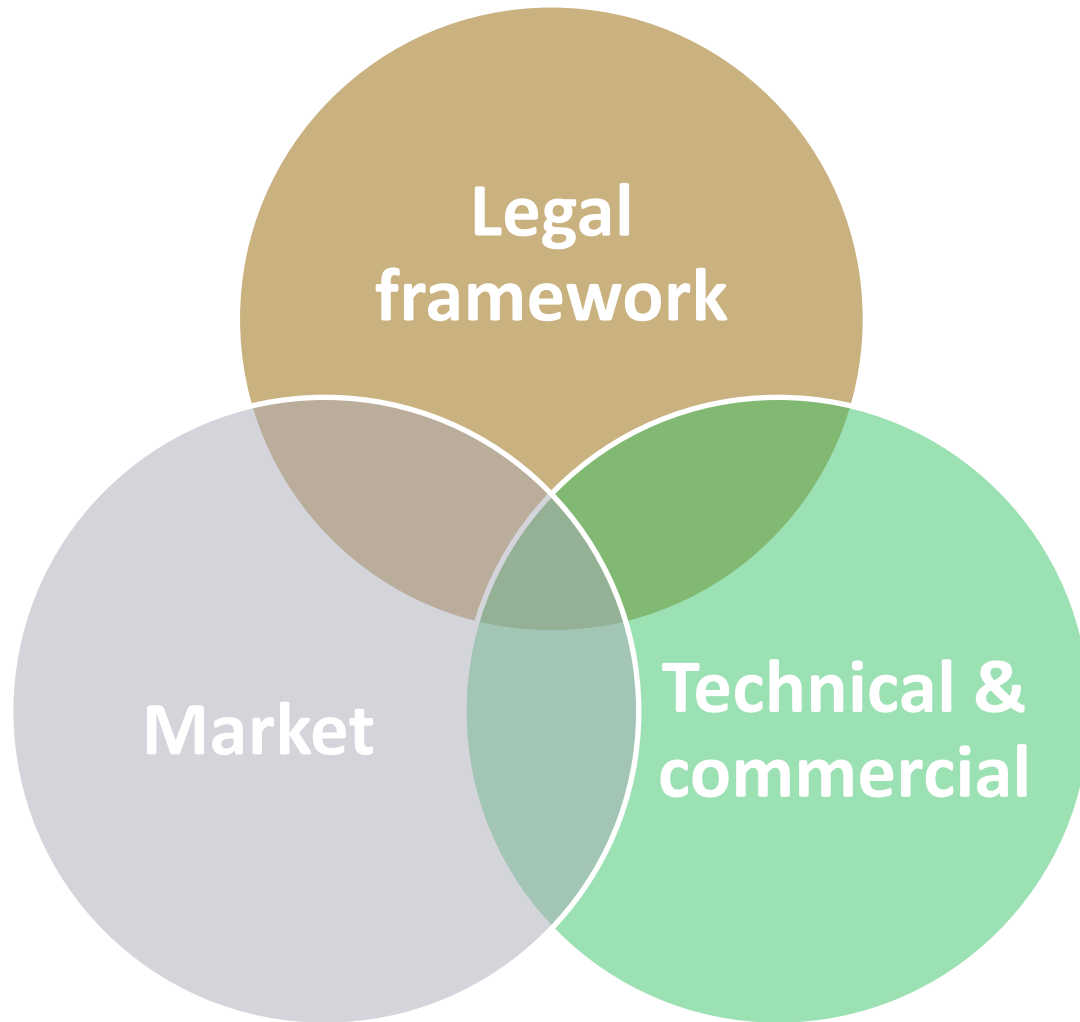


A Digital Agenda for Europe

- **From the Digital Agenda: “Europe [...] should develop an EU-wide strategy on ‘cloud computing’ notably for government and science**
- **Stakeholder consultations:**
 - Industry stakeholders (ongoing)
 - Public consultation done, results being analysed
- **Strategy announced for 2012**



European Cloud Strategy



Public administrations and cloud computing

- **Cost reduction as driver**
- **Reluctant to use public cloud: security, privacy, control <> “public cloud first” strategies**
- **Government cloud – natural evolution (relabeling) of shared services concept, government App stores**
- **Procurement: lack of standards, immature market, potential for vendor lock-in**



Links

- Digital agenda for Europe:
http://ec.europa.eu/information_society/digital-agenda/index_en.htm
http://ec.europa.eu/information_society/activities/cloudcomputing/index_en.htm
- ENISA reports:
<http://www.enisa.europa.eu/events/speak/cloud.jpg/view>
<http://www.enisa.europa.eu/act/rm/files/deliverables/cloud-computing-risk-assessment>
<http://www.enisa.europa.eu/act/rm/files/deliverables/cloud-computing-sme-survey>
- Example cloud strategy (UK):
http://www.cabinetoffice.gov.uk/sites/default/files/resources/government-cloud-strategy_0.pdf
- Example cloud strategy (US):
<http://www.cio.gov/documents/Federal-Cloud-Computing-Strategy.pdf>
- A voice from an outside observer (A. Di Maio, Gartner):
http://blogs.gartner.com/andrea_dimaio/2011/10/18/is-it-still-too-early-for-governments-to-use-cloud-computing/

