A European cloud observatory supporting cloud policies, standard profiles and services

Linda Strick
Fraunhofer FOKUS
Driving the uptake of cloud in Europe

The cloud way is the smart way......
.......but it needs to be secure, fair and interoperable.

Accelerating and increase the use of cloud computing across the public and private sectors in Europe

Supporting international efforts on interoperability and portability

Multi stakeholder dialogue to increase commitment

Transparency

Openness

Compliance
CloudWATCH Outputs

- Sustainable CloudWatchHUB.eu promoting smart cloud services, skills and standards
- Legal Information and Tips and Socio-Economic Analyses
- Enterprises – ICT & trade associations – R&D initiatives – govt. & public authorities
  Community Engagement: Research & educational institutions – standards groups – policy bodies & makers
- Use Case Portfolio – enterprise, government, research
- Common Standard Profile Delivery
  → Standard Development Organisations
  → Software deployed in the test bed
- Certification Recommendations

Dissemination, outreach & online forums
Concertation Meetings, Business Events, Government and Public Sector Events, Technical Events

2 Use Case Workshops
6 Profiling & Test Cases Workshops

CloudWATCH is funded by the European Commission Framework Programme 7
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Our Partnership - Our Network

CloudWatch

Consortium Network (chapters, subsidiaries & ICT associations)

- Standards groups, research, government, enterprise and media
- EU Privacy council & legal expertise in 15 countries worldwide
- User base: 22,000 in 50 countries; national government & funding agencies in 30 EU countries
- 400+ collaborative partnerships with HE and research 150 partnerships with
- Large German public administration network, BITKOM, SIBB & German Trusted Cloud
- 140 Members, 12 EU Chapters, 60 global chapters
- DIGITAL EUROPE members represent 10,000 companies employing 2 million citizens and generating EUR 1 trillion in revenue

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Building on support

Raising awareness of cloud computing & best practices for eScience, Industry & SMEs & government and serving as CloudWATCH Champions

Setting out the right way

- Strong support
- Wide community

Insights from thought-leaders

- Benefits
- Best practices
- Big issues
Standardisation group or enhance

**Examples**

- WS-I Basic Profile 1.1 – WSDL based Web Services interoperability
- WSRF Basic Profile 1.0 – WSRF based Grid service interoperability
- HPC Basic Profile 1.0 – HPC profile on Service interoperability and Compute management

**Scope & Structure**

- Group one or more related standards into one bundle
- Moving away from generic use cases to support specific use cases only
- Reduce or strengthen scope of normative statements
  - e.g. turn “MAY” into “MUST”; turn “SHOULD NOT” into “MUST NOT” normative terms
- Exploit extension points in normative standards
  - e.g. mandate new or existing extensions in specific version
Profile strategy

◆ Many profile on one standard each
  ◆ Sharp scope, easy to implement, quick results
  ◆ Individual, not coordinated

◆ One profile on many standards
  ◆ Large scope, all-or-nothing implementation
  ◆ Coordinated, across cloud services

◆ Profile on profiles
  ◆ Allows starting small, separation of work
  ◆ Coordination & inclusion through “super profile”
CloudWatch profile portfolio

- Profiles encode per se use cases
  - Targeted sectors likely to require more!
  - Define one profile for each sector
  - Small, modularised profiles can be reused

- Large “super profiles” for each community?
  - Cloud Computing for eScience
  - Cloud Computing for enterprise
  - Cloud Computing for eGovernment
PEST profiles

Each should cover the four aspects

- **POLITICAL**
  - E.g. Privacy, security

- **ECONOMIC**
  - E.g. SLAs, Billing, Licensing

- **SOCIAL**
  - E.g. (Data) Sharing, Data provenance, Open Data

- **TECHNICAL**
  - E.g. OCCI, Federated AAI, CDMI, Accounting
Impact

◆ Profiles remove ambiguities in standards
◆ Profiles encode per se use cases
◆ Educates others (“How did they do that?”)
◆ Promotes adoption of standards
◆ Define & develop the foundation of a public dashboard
  ◆ “Marketplace of implementations”
◆ Educates and informs policy makers
Certification Recommendations

Develop the specifications for an online compliance service, enabling providers and consumers to test services, tools and technologies against specified open standards. Foster confidence of public and private sector users leveraging open standards based interoperable services. Define a business model to support the sustainability of the service.
The European Cloud Observatory

- The EU Cloud Hub – Promoting Innovation & Skills – Avoiding "Cloud Fatigue" for potential adopters who want to see the benefits and understand the real risks of cloud (Forbes, April 2013)
- Cloud adoption advice for SMEs
  - Guidelines and checklists
  - Mitigating risk: trust, legal & security
  - Case studies & Cost benefits etc.
- Research & adoption trends & breakthroughs
  - Cloud standards & interoperability
  - Interoperability testing etc.
- The big skills gap - Jobs in Cloud computing
  - Job search & database
  - Partnerships & sponsorships with
- Collaboration & networking
  - Promoting synergies & knowledge exchange
- Partnership & Sponsorship opportunities
  - Banner & advertorial areas
  - Job search facilities & related partnerships
Tell us about what you’re doing in the cloud

www.cloudwatchHUB.eu
https://twitter.com/CloudWatchHub
http://linkd.in/1eLoBjl
info@cloudwatchhub.eu
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Meet us at...

Where we'll be in the next six months

16-20 September
EGI TF
Madrid (ES)
Standards Workshop & Cert & Testing Workshop

15-16 October 2013
OASIS workshop @
EuroCloud Annual Congress
Luxembourg (LU)

6-8 November 2013
ICT2013 + Satellite events
Vilnius (LI)

24-25 February 2014
Cloudscape VI
Brussels (BE)

April 2014
Secure Cloud
Frankfurt (DE)

24-26 September
CSA EMEA
Edinburgh (UK)
Oct 2013

22-23 October 2013
Cloud Assisted Services Conference
Bled (SI)

2-5 December 2013
IEEE CloudCom
Bristol (UK)

March 2014
Concertation meeting
Brussels (BE)

April 2014
Info Security Europe
London (UK)
Supporting and promoting European R&D cloud initiatives through 3 Concertation meetings

Community engagement
- Call 8 & 10 project reps
- Cloud computing projects from other DGs

Objectives
- Showcasing new cloud services & solutions for wider market uptake
- Demonstrating standardisation & interoperability
- Aggregation of cloud R&D projects and promoting results (ICT Calls 8 & 10)
- Encouraging cross-unit collaboration

Themes
- SME Insights & benefits of R&D partnerships
- Sustainable business models
- Internationalisation
- Venture Capital & Risk management
- Green IT
- Standards implementation
- Smart cities & devices

Prizes & collaboration with SME & Trade associations
"The Best solution for SMEs"
"The Best SME Solution"

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