Cloud computing in the public sector

At: IAPP Europe Data Protection Congress
Brussels, 18-20 November 2014

Dirk van Rooy, Ph.D.
Head of Sector
European Cloud Partnership
DG CONNECT E2
European Commission
The European Commission's strategy 'Unleashing the potential of cloud computing in Europe'

Adopted on 27 September 2012, it is designed to speed up and increase the use of cloud computing across the economy.

Cloud strategy's key actions

- Cutting through the jungle of technical standards
- Development of model 'safe and fair' contract terms and conditions
- A European Cloud Partnership to drive innovation and growth from the public sector.

DG CONNECT working groups for the implementation of the strategy

- ETSI: Cloud Standards Coordination
  - Launched on 19/12/2012
- The Cloud Select Industry Group on Certification Schemes
  - Launched on 21/02/2013
- The Cloud Select Industry Group on Code of Conduct
  - Launched on 10/04/2013
- The Cloud Select Industry Group on Service Level Agreements
  - Launched on 21/02/2013
- Research: The Cloud Expert Group
  - Now completed

- Steering Board
  - Launched on 19/11/2012
- The European Cloud Partnership
  - Pre-commercial Procurement Consortium
    - Public launch 14-15 Nov 2013

The Cloud computing strategy

Launched on 19/11/2012
European Cloud Partnership (ECP)

Smart cloud uptake and market stimulus using public sector collaboration and procurement in cooperation with industry;

trustworthy cloud services, cost-effective, productivity, security, data protection, avoid lock-in...

**Steering Board**: IT and Telco industry, Member States, associated countries, SMEs

=> *"Trusted Cloud Europe".*

**Implementation actions**: procurement actions by public sector with industry

=> *"Cloud-for-Europe"*;

=> *European Procurers' Platform*;

=> *Horizon 2020, ICT8-2015 (PCP/PPI).*
European Cloud Partnership Steering Board

• Part of the European Cloud Strategy
• First met on November 19, 2012

“provide advice to the Commission on strategic options to turn cloud computing into an engine for sustainable economic growth, innovation and cost-efficient public and private services”
## ECP composition

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<td>Toomas Hendrik Ilves</td>
<td>Accenture</td>
<td>Pierre Nanterme</td>
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<td>Telefonica Digital</td>
<td>Stephen Shurrock</td>
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<td>Léo Apotheker</td>
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Tallinn 2013: Steering Board, support staff, C4E press conf
Establishing a Trusted Cloud Europe
Trusted Cloud Europe framework

**Action:** Identifying and creating best practices

- Standards / Security
- Code of Conduct
- Fair Contracts
- SLA

Including: support for cross border recognition of best practices

- Encouraging voluntary adoption
- Supporting self-certification
- Supporting third party certification

**Action:** Consensus building

- Between industry bodies
- Between citizens
- Between Member States

In order to better understand requirements for use cases

- Through consultation, workshops, studies, working groups
- Data type requirements
- Service type requirements
- Need for enforcement

**Expected results:**

- Alignment of policies
- Alignment of legislation
- Pilots

And ultimately: functioning Single Market:

- Common understanding of use cases
- Common understanding of requirements
- Common application of best practices
Cloud-for-Europe
http://www.cloudforeurope.eu/

Prepare public sector for procuring secure, reliable, cost-effective CC services, and avoiding lock-in.

- Funded thru RTD programme.
- Umbrella initiative: adding to and building on national initiatives – best of breed.
- Inclusive: vehicle for getting a wide range of interested countries on-board through consultation, dissemination, awareness raising and training.
- Cooperation public sector-industry through pre-commercial procurement.
The overarching objective of PICSE is to set up a European Procurers’ Platform capable of raising the level of understanding of the issues surrounding procurement of cloud services.

**PICSE stakeholders**
- Procurement specialists
- Public Research Organisations
- Funding agencies, national research agencies & councils
- SMEs & private sector
- Policy Makers
- General Public
- Cloud Service Providers
- Associations of local government & procurers
- Public sector Decision Makers

**About PICSE**
- H2020 Coordination and Support Action
- Total budget: 500 K€
- Duration: 18 months
- Start date: 1 Oct. 2014
- Partners:
PICSE objectives

- Make the procurement **model for cloud services simpler**
- Provide a range of **best practices for implementing results**
- Set out a realistic **roadmap for cloud procurement over the next five years**
- Lay the **foundations for future joint procurements** to support the hybrid cloud model
PICSE calls for actions:

Are you a public research organisation planning to procure cloud services?

Have you already procured cloud services? Do you have a success story to tell? Or a negative experience to highlight for the benefit of other procurers?

Are you looking for partners for any PCP/PPI call?

Contact us at:

www.picse.eu

@PICSEPROCUR
Workshop cloud uptake in the public sector

DG CONNECT, Software and Services, Cloud; 20 May 2014
Horizon 2020, WP2014-15

Topic ICT 8 – 2015: Boosting public sector productivity and innovation through cloud computing services

Dirk van Rooy, Ph.D.
Head of Sector
European Cloud Partnership
DG CONNECT E2
European Commission
Specific Challenge

- **Potential benefits** of cloud computing for public sector
  
  *IT cost reduction, increased flexibility, new services*;

- **Barriers**: procurement, trust, standards, legal terms, lock-in risk
  
  ▶ competitive, secure, reliable and integrated cloud services;

- **Readiness** for operational cloud **uptake**;

- Cloud services in **wide sense**.
**ICT 8: BOOSTING PUBLIC SECTOR PRODUCTIVITY AND INNOVATION THROUGH CLOUD COMPUTING SERVICES**

**Scope**

**ICT8.a.** Pre-commercial procurement for public sector cloud computing services (PCP).

*What*: common requirements and terms of reference for future procurement of cloud computing services;

*Indicative funding budget*: 9 M€

**ICT8.b.** Public procurement of innovative cloud computing solutions (PPI).

*What*: joint procurement of innovative cloud services;

*Indicative funding budget*: 13 M€
**Expected impact**

- Increased smart adoption of cloud computing services;
- Public sector in wide sense, *such as* culture, businesses, tourism, education, health care, cross-border;
- Improved quality of service;
- Improved cost-effectiveness;
- Benchmarking of claimed impacts.

**Planned dates (check for changes)**

- publication call: 15 October 2014
- closing call: 14 April 2015

Detailed info (incl. instruments PCP, PPI) in Workprogram


More Info

Cloud computing in the digital agenda

ICT 8 – 2015, at the participant portal
http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/9081-ict-08-2015.html#tab1

Workshop cloud uptake in the public sector

European Cloud Computing Strategy

European Cloud Partnership

Pre-commercial procurement

Cloud-for-Europe:  http://www.cloudforeurope.eu/ ; PICSE: see separate presentation