

Cluster on Software Engineering for Services and Applications

Session 1

The cluster at Cloud Forward 2015

Today 16.20 – 18.20

- Discussion on the presented paper
- White paper:
 - presentation of the current status
 - discussion about challenges and business cases
- Organization of the ICT 2015 session
- The Cloud Expo initiative
- How to get to a “go-to-market” strategy - brainstorming

Discussion on the presented papers

- Smart Cloud Engine and Solution based on Knowledge Base
- Developing and operating time critical applications in clouds: the state of the art and the SWITCH approach
- A Joint Benchmark-Analytic Approach For Design-Time Assessment of Multi-Cloud Applications
- CIRANO: An integrated programming environment for multi-tier cloud based applications

Challenges/questions on adaptation, monitoring and ontologies

What can be adapted?

Knowledge base: no semantically complex but serving specific purposes.

How to link these semantic components to low level components?

How to monitor complex cloud systems?

Think at systems by functionalities: packaged in some containers and ready for use in an orchestration, searchable by functionality not by component

Contribution from Smart cloud

- Ontology designed for a large number of different metrics
- Knowledge base is open and can be used by others
- While working with ontologies, do not start from scratch, start from an existing one. Building an ontology requires time and knowledge
- Cloud Smart is ready to
- Help in the adoption of ontologies
- Share the assessment of RDF databases
- RDF triples can be processed efficiently in the time scale of the cloud (minutes/hours)
- Thus, the approach is scalable

White paper

Goal:

- To define current challenges being tackled by current projects
- To define some business cases
- To provide an outlook on the future

See presentation by Constantinos Vassilakis

Organization of ICT session

21st of October 16.00-16.45

Short presentation about the white paper

Panel

- Andreas Metzger: Software engineering for big data
- Lutz Schubert: Software engineering for cloud infrastructures
- Cedric Thomas: Open source and software engineering

The Cloud Expo initiative

[10-11 of November http://
www.cloudexpo-europe.de](http://www.cloudexpo-europe.de)

Exhibition and speaking station (1 hour and half)

SWITCH, S_CASE, CloudWave, SeaClouds, CloudTeams

How to get to a go-to-market strategy

Clara's and Javier's presentation on open source task force

Antonio's presentation on standardization subgroup