TuCSoN in the Cloud

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TuCSoN in the Cloud

Main idea

The main idea behind TuCSoN in the Cloud is that Coordination as a Service (CaaS) can be used as a level of cloud service.

Discussions

The first discussion on the subject where conducted at the end of 2012 between Stefano Mariani and Andrea Omicini. Work in progress!

Themes

Coordination as a Service

- Papers
  - Mirko Viroli, Andrea Omicini. Coordination as a Service: Ontological and Formal Foundation, Electronic Notes in Theoretical Computer Science 68(3), March 2003
  - Mirko Viroli, Andrea Omicini. Coordination as a Service. Fundamenta Informaticae 73(4), 2006

Coordination-aware Elasticity

- Papers
- Ongoing Thesis
  - ?

Embodied vs. Disembodied Computation in TuCSoN

- Papers
  - Stefano Mariani, Andrea Omicini. TuCSoN on Cloud: An Event-driven Architecture for Embodied / Disembodied Coordination, Algorithms and Architectures for Parallel Processing, Lecture Notes in Computer Science 8286, December 2013
- Completed Thesis
  - Coordination as a Service (CaaS) in the Cloud
  - Coordinazione embodied vs. disembodied: TuCSoN on Cloud
- Ongoing Thesis
  - TuCSoN on Cloud: Revisione dell'architettura
- Student Projects
  - TuCSoN on Cloud: “Elastic” deployment of TuCSoN nodes in the Cloud

Links

- To do