Self-Adaptive Services

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1. **A Model for Dynamic and Adaptable Services Management**

   Patrick Martin, Wendy Powley, Imad Abdallah, Jun Li, Andrew Brown (Queen's University) Kirk Wilson, Chris Craddock (CA Labs)

2. **SLA Protection Models for Virtualized Data Centers**

   Alessio Gambi, Mauro Pezzè (University of Lugano), Michal Young(University of Oregon)

3. **The Design of a Self-Healing Composition Cycle for Web Services**

   K.S. May Chan, Judith Bishop(University of Pretoria)

4. **Behavioural Self-Adaptation of Services in Ubiquitous Computing Environments**

   Javier Cámara, Carlos Canal, Gwen Salaün (University of Málaga)

Discussion

- Adaptivity is orthogonal to functionality
  - management enablement is not part of SDLC
- Agent approach is more scalable than traditional centralized approach
- I can create Adaptive Services across many administration domains
- Standards are helpful

Discussion

- Does virtualization help or hinder the adaptivity wrt to QoS?
  - How can you infer the QoS through so many hidden layers?
- Static versus dynamic models for QoS?
- Cloud computing- the killer application for adaptive systems?

Discussion

- Under what scenario one failure trigger a full re-composition?
- Sense making
  - Is there an example of how we can fix an unpredicted failure?
  - If the contingency plan failed, what are the choices?
- How is the control loop implemented?

Self-adaptation

- What are the limits of self-composition?
- What are the classes of systems that allow composition?
- How is the service-recomposition different from dynamic service selection?