Poster: Controlling the Elasticity of Web Applications on Cloud Computing
Michel Albonico, Jean-Marie Mottu, Gerson Sunyé

To cite this version:
Michel Albonico, Jean-Marie Mottu, Gerson Sunyé. Poster: Controlling the Elasticity of Web Applications on Cloud Computing. SAC, Apr 2016, Pisa, Italy. <hal-01317728>

HAL Id: hal-01317728
https://hal.archives-ouvertes.fr/hal-01317728
Submitted on 18 May 2016

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L’archive ouverte pluridisciplinaire HAL, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d’enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Copyright
Controlling the Elasticity of Web Applications on Cloud Computing

Michel Albonico, michel.albonico@utfpr.edu.br, AtlanMod Team (Inria, Mines Nantes, LINA), Nantes, France / UTFPR, Brazil
Jean-Marie Mottu, jean-marie.mottu@inria.fr, AtlanMod Team (Inria, Mines Nantes, LINA), Nantes, France / University of Nantes
Gerson Sunyé, gerson.suny@inria.fr, AtlanMod Team (Inria, Mines Nantes, LINA), Nantes, France / University of Nantes

1 Elasticity

The ability of a cloud infrastructure modifying its resource configuration according to application demand.

2 Elasticity States

- Specific sequence of elasticity states, e.g., regression testing, bug reproduction, etc.
- Control the required sequence of elasticity states.

3 Research Problem

- Specific sequence of elasticity states, e.g., regression testing, bug reproduction, etc.
- Control the required sequence of elasticity states.

4 Our Approach Workflow

- Our approach leads the application through the required elasticity states;
- It does not stress the application;
- It requires the elasticity states in a fast way.

5 Experiment Result

- Our approach leads the application through the required elasticity states;
- It does not stress the application;
- It requires the elasticity states in a fast way.

6 Conclusion and Future Work

- Future work:
  - Test aspects, such as test procedure and test oracle.