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## Poster: Controlling the Elasticity of Web Applications on Cloud Computing

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# Controlling the Elasticity of Web Applications on Cloud Computing

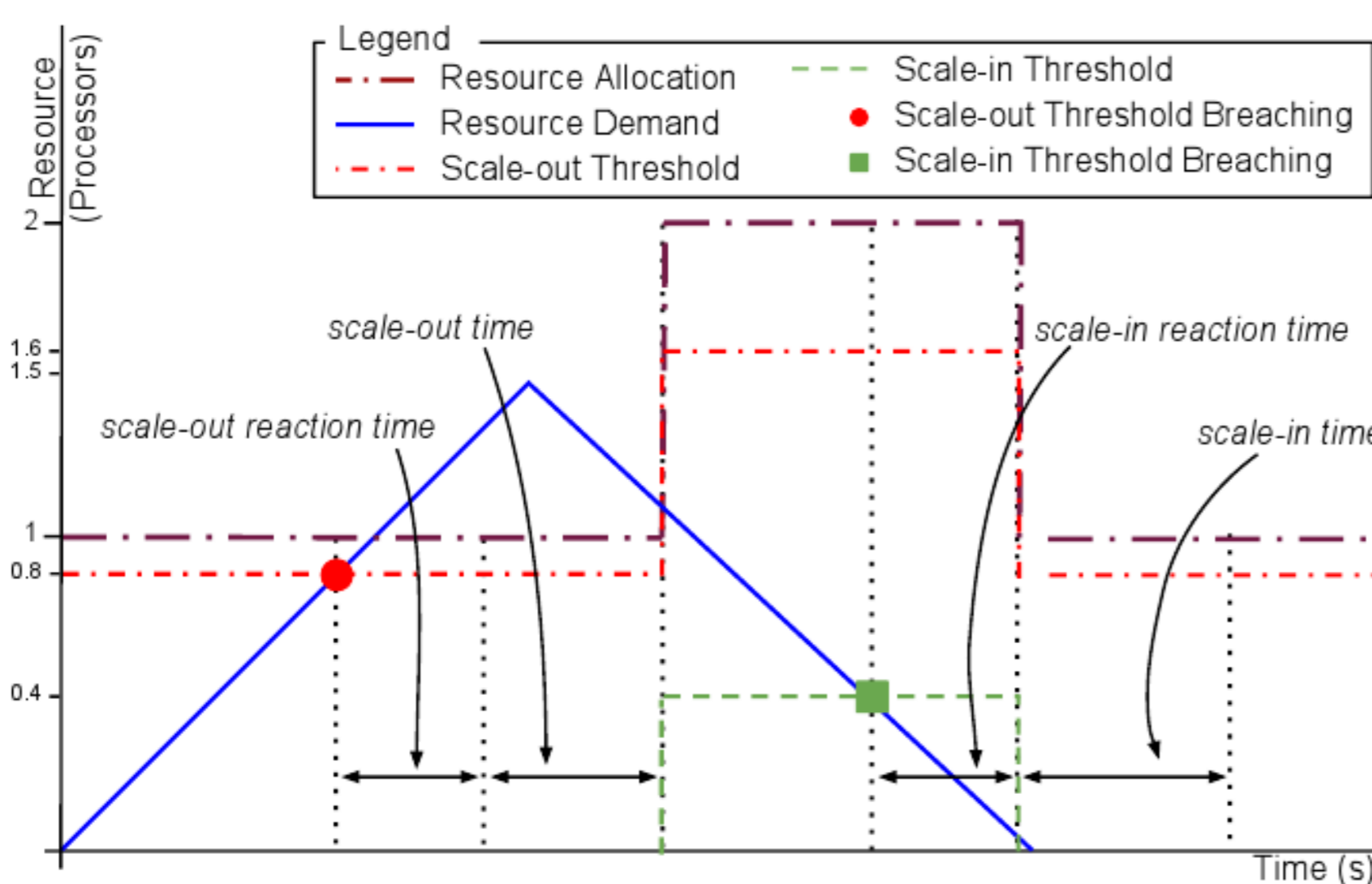
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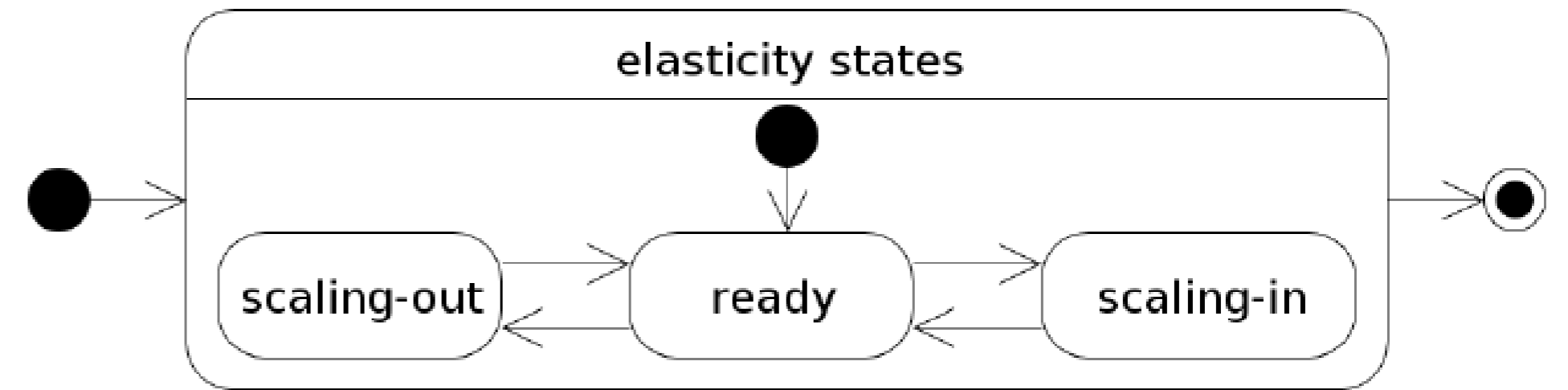
Gerson Sunyé, [gerson.sunye@inria.fr](mailto:gerson.sunye@inria.fr), AtlanMod Team (Inria, Mines Nantes, LINA), Nantes, France / University of Nantes

## 1 Elasticity

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



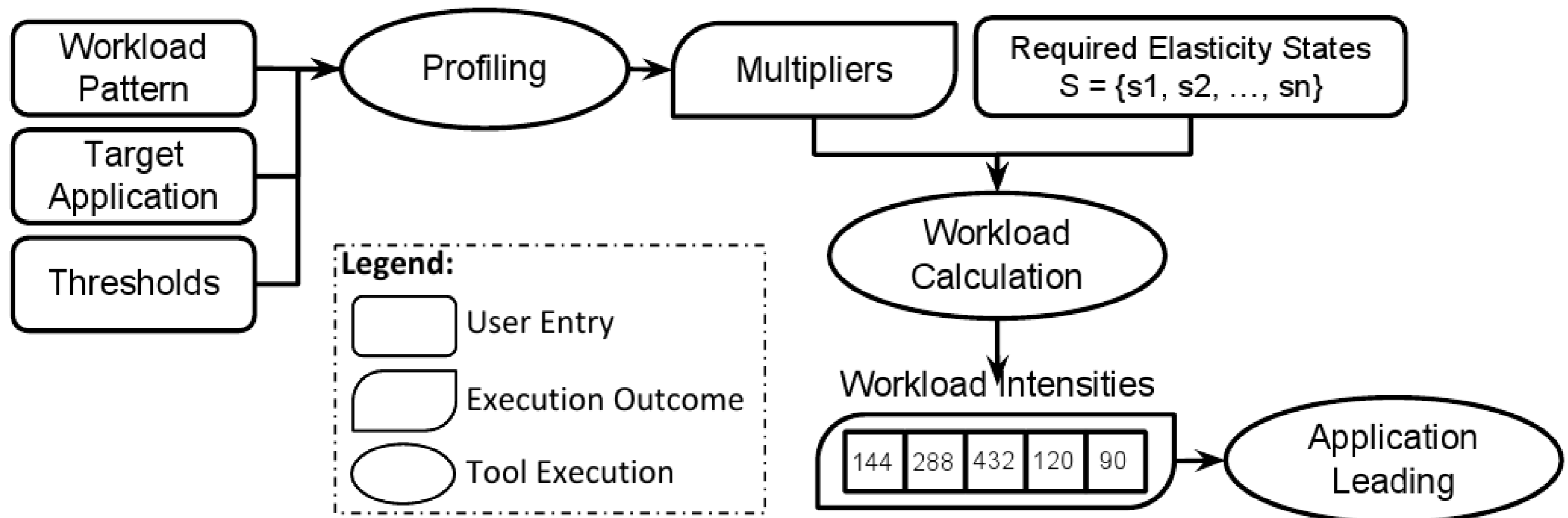
## 2 Elasticity States



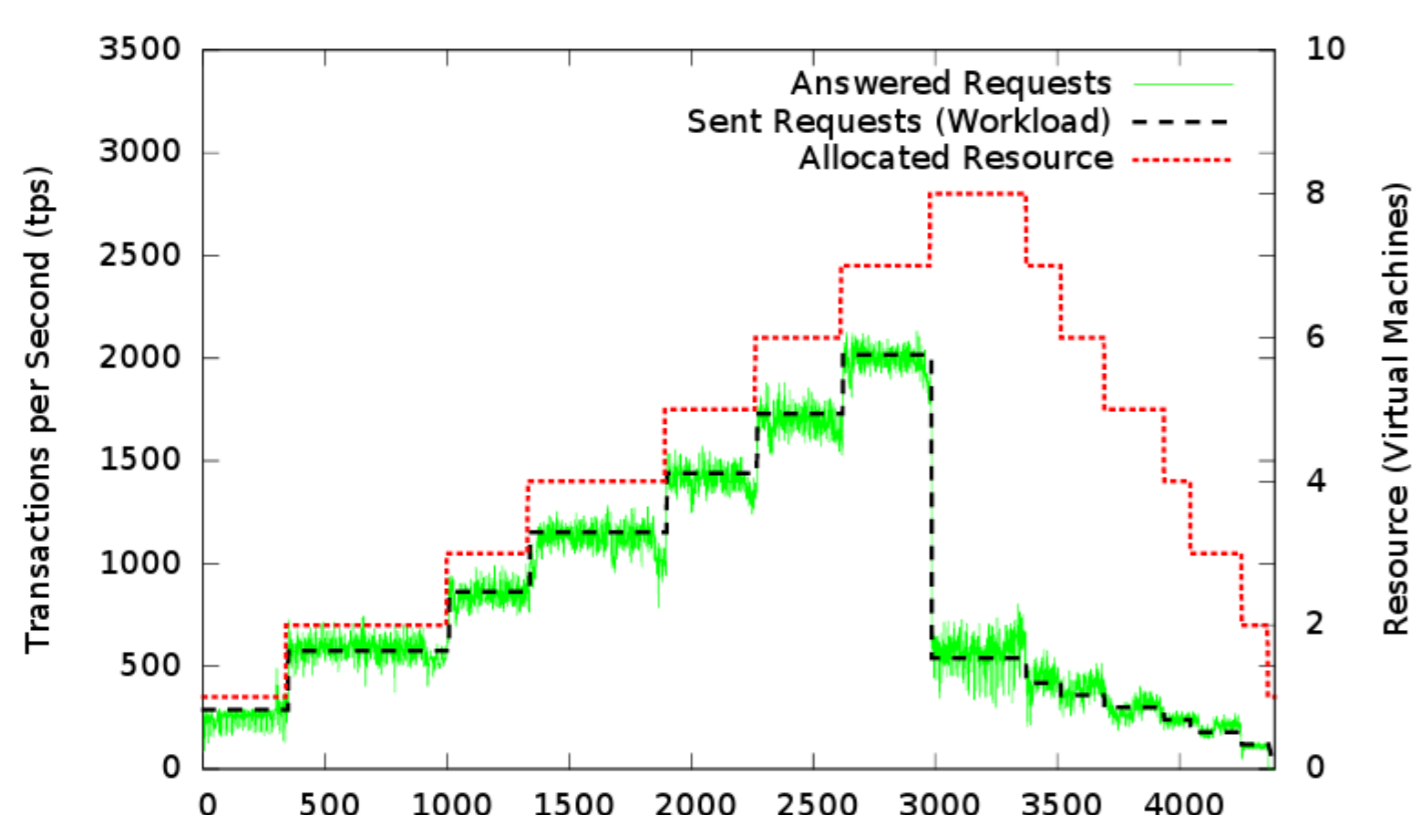
## 3 Research Problem

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

## 4 Our Approach Workflow



## 5 Experiment Result



## 6 Conclusion and Future Work

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