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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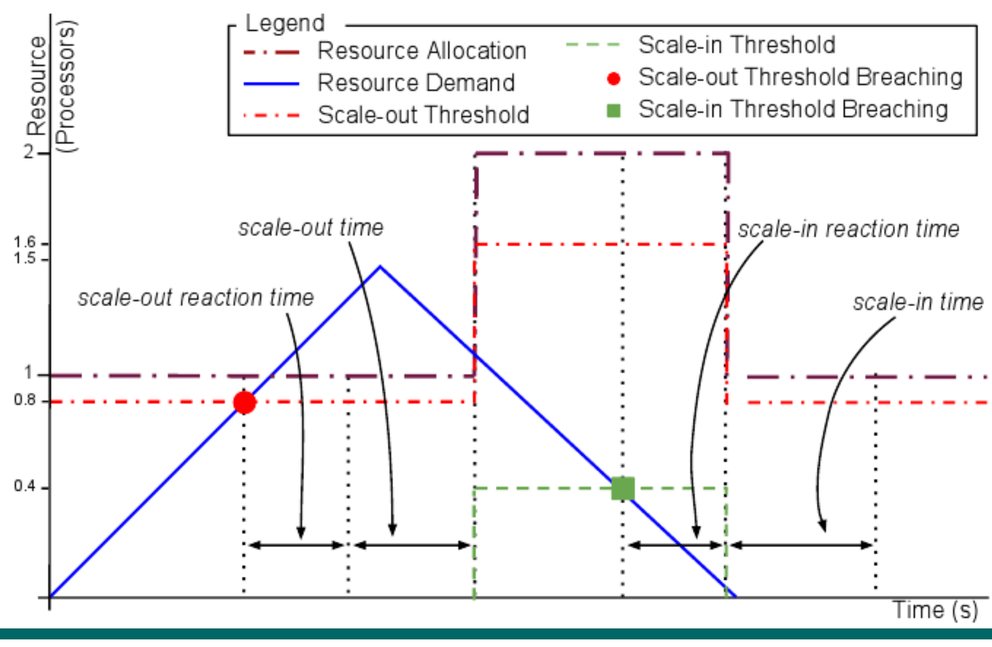
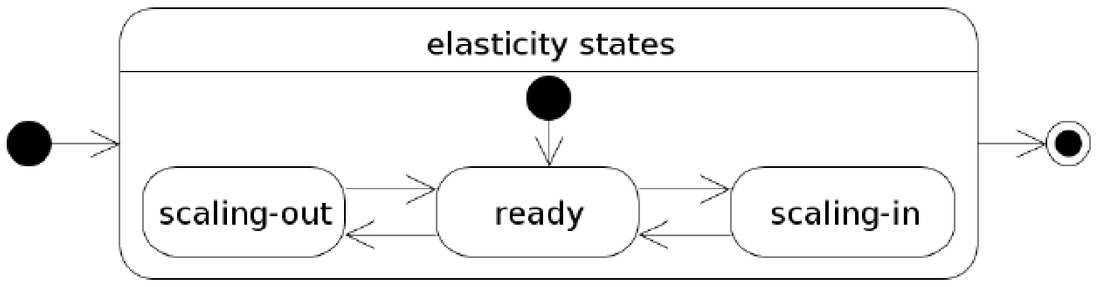
1 Elasticity

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



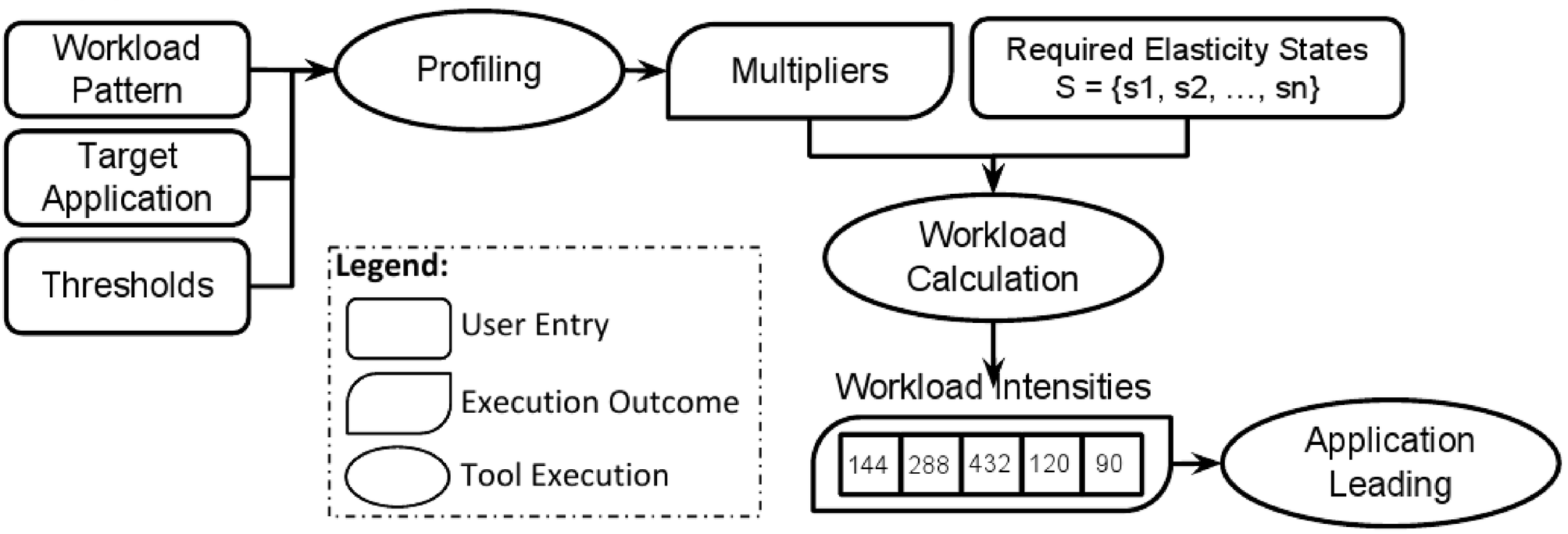
2 Elasticity States



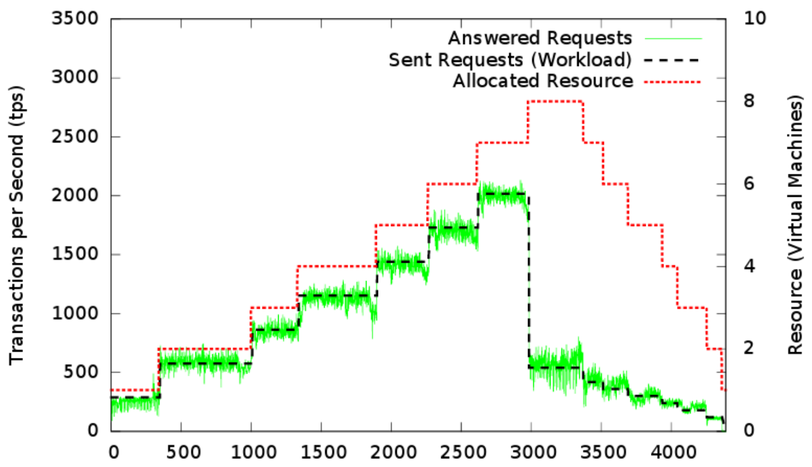
3 Research Problem

- 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 elasticty states in a fast way.

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