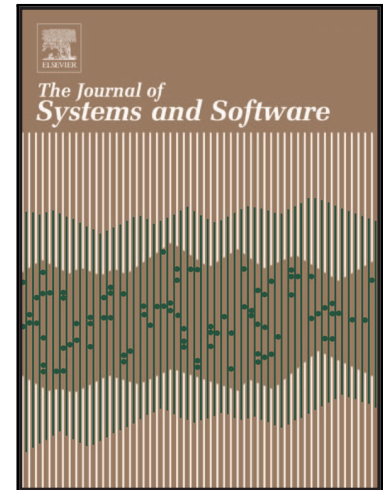


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Continuous Performance Evaluation and Capacity Planning Using  
Resource Profiles for Enterprise Applications

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**Highlight**

- Resource profiles describe the resource demand of enterprise applications (EA).
- We introduce a performance change detection process (PCDP) using resource profiles.
- The PCDP is integrated into a continuous delivery process to evaluate each EA build.
- After an EA version release, resource profiles support the capacity planning (CP).
- The PCDP and CP approaches are evaluated for a representative EA in three integrated experiments.

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