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Static analysis of cloud elasticity

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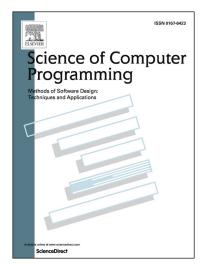
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Highlights

- A technique for the static analysis of resource utilization is proposed.
 The analysis relies on a static type system that records program's resources behavior.
 The proposed approach supports concurrency and explicit release operations.
 A proof of soundness of the proposed type system and of the analysis is provided.

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