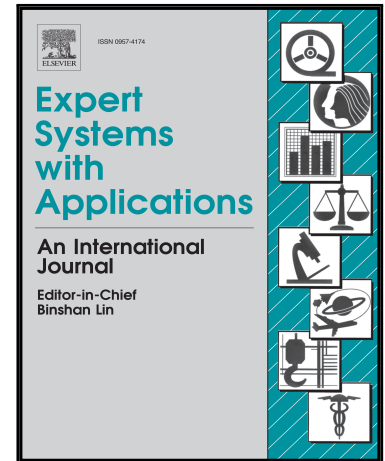


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ElaClo: A Framework for Optimizing Software Application Topology in the Cloud Environment

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Highlights

- ElaClo evaluates feasible application topologies in real cloud environment.
- ElaClo automates workload generation, monitoring, and component elasticity.
- Best topology candidates are recommended using a genetic algorithm.
- Genetic algorithm uses automatically generated surrogate performance models.
- Optimization process is validated with a case study on a real-life application.

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