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A Mixed Integer Linear Programming Optimization Approach for
Multi-Cloud Capacity Allocation

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Highlights

- An approach to optimize deployment of applications on multiple clouds is presented
- The approach derives from the application architecture a MILP based on queuing networks
- The solution is further refined by a local search approach based on LQN
- The quality of the final solution is compared with state of the art threshold based heuristics
- The MILP formulation allows reduction in the optimization time of 50% and in cost of 37%

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