

Risk and Reliability in Grid Brokering

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Abstract

If Grid computing is to experience widespread commercial adoption, then incorporating risk assessment and management techniques is essential, both during negotiation between service provider and service requester and during run-time. This paper focuses on the role of a resource broker in this context. Specifically, techniques for evaluating the reliability of risk information received from resource providers is discussed. The performance of three algorithms are compared through simulation, showing that an odds betting-based algorithm performs better in identifying providers with highly variable risk assessments.