

Extending the DeLone and McLean IS Success Model to Cloud Computing

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(Topic Area: Factors Facilitating the Adoption of Cloud Computing)

by

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Abstract

This research in progress paper proposes a parsimonious IS success model for cloud computing to measure business benefit, based on the 2003 DeLone and McLean IS Success Model and subsequent IS success research. Early adopters of new technology, such as cloud computing, are a rich resource of information to identify benefits for later adopters. The primary constructs of our model focus on the overall cloud quality (service and system), experience (organization satisfaction and use), and net benefits and identifies relationships among these constructs. To test this model, a quantitative study will survey organizations using cloud computing to determine the benefits of the cloud computing solution they have adopted. The result of this research will produce findings which will enable organizations to target specific cloud-based computing services that align with their organizational requirements to enable them to achieve success.

Keywords

Cloud Computing, IS Success, Net Benefits