An Approach to Cost-Effective Transformation of Workloads towards Cloud Delivery Models

Volume 82 - Number 14
Year of Publication: 2013

Authors:
Joydipto Banerjee
Biswajit Mohapatra

10.5120/14232-2354

Abstract

Moving workloads on to cloud, promises to be an attractive investment for enterprises planning for a sustainable IT landscape. However, leveraging the existing IT investment of an organization and moving them over to the cloud environment with minimum business disruption and costs, seems to be the biggest challenge in adopting cloud based modernization. Enterprise workloads move into cloud delivery models with varying levels of transformation effort, return on investment and productivity gains. Like any transformation effort, migration to cloud can also be viewed as a phased transition/journey. In this respect, studying the various migration patterns, it is found that a common theme emerges that have been depicted in this paper. The authors have illustrated an approach that takes a portfolio view of applications and assesses highest degree of cloud affinity considerations that includes complexity of the selected workloads, target environment, organization maturity etc. The paper also discusses the taxonomy of cloud migrations and the overall migration model.

References

- Isom Pameka K, Kerrie Holley. 2012. Is Your Company Ready for Cloud: Choosing the

Index Terms

Computer Science  Cloud Computing

Keywords

Cloud Computing  Workload Migrations