Abstract

A Centralized Monitoring as a Service (CMaaS) is a desired and necessary feature to be included in cloud computing. One of the concerns in having CMaaS from both user and provider's perspectives would be that of performance implications. Carrying out a performance analysis thus, becomes an important task before suggesting a MaaS solution. A straightforward performance study would be to find out whether the inclusion of monitoring processes affects the normal user request processing or not. The paper studies the affects by forming a simulation environment. The studies will also help datacenters in deciding whether to have dedicated VMs allocated for monitoring or to have monitoring processes share the VMs allocated for processing user requests.

References

Having Centralized Monitoring as a Service in Cloud Computing: A Study of Performance Aspects

- Calheiros, R. N ; Ranjan, R ; Beloglazov, A ; De Rose, C. A. F ; and Buyya, R ; CloudSim: a toolkit for modeling and simulation of cloud computing environments and evaluation of resource provisioning algorithms. Software: Practice and Experience, 41: 23–50. doi: 10. 1002/spe. 995 2011.
- Ferretti, S ; Ghini, V ; Panzieri, F ; Pellegrini, M ; Turrini, E ; , "QoS–Aware Clouds," Cloud Computing (CLOUD), 2010 IEEE 3rd International Conference on , vol. , no. , pp. 321-328, 5-10 July 2010
- The Service Level Agreement Zone; url: http://www. sla-zone. co. uk/; retrieved oct 2012.

Index Terms

Computer Science

Cloud Computing
Keywords

cloud computing  monitoring  Access management  MaaS  Centralized MaaS
Performance study.