Abstract

This paper put insight on how the security mechanisms enforced by cloud computing providers of their IaaS platforms and enabling their users to utilize the platforms securely. This paper provides the assessment of two popular IaaS platforms with respect to the following criteria: network security, authentication and API security, security attack protection and high availability, logging and monitoring, access right control, and security. The assessment is based on the information provided by cloud computing providers and usage of the IaaS platforms.

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**Index Terms**

Computer Science  Distributed Systems

**Keywords**

Cloud computing, Infrastructure as a Service, security, Amazon Web Services, Google Cloud Platform.