Abstract

Clouds are a large pool of easily usable and accessible virtualized resources (such as hardware, development platforms and/or services). These assets can be dynamically reconfigured to adjust to a variable scale, allowing also for optimum resource utilization. This pool of resources is typically exploited by a pay-per-use model in which guarantees are offered by the infrastructure provider by means of customized service level agreement (SLA). Cloud computing was originally designed for dealing with problems involving large amounts of data and/or compute-intensive applications. The vulnerabilities inherent in the Cloud systems should be addressed so they can be eliminated before exploited by malicious software or hackers. Our approach plays a major role in detecting and managing vulnerabilities present in the Cloud infrastructure. Implementation of this methodology proves to be cost effective and saves analyzing time.

References

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Index Terms

Computer Science Security

Keywords

Cloud Computing  Cloud Security  Cloud Legal Issues  Cloud Storage  Security Implications
Architecture Implementation Exploitation Vulnerabilities