Abstract

For any user centric application, performance is a critical factor. This paper deals with mobile/web application where backend is configured in either cloud / classic servers and how every component interacts and affects the overall system performance. Every component designed in the architecture of a system has its own importance. However, excessive use of any resource will have impact on the complete system. Performance Engineering is the study of these critical aspects and helps in fine-tuning the application under test. This paper will give a deeper insight on the infra level components as well as real time problems which are encountered in real life scenarios.

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Index Terms

Computer Science Networks

Keywords

AUT – Application Under test, API – Application Programming Interface, DB – Database, SOA –
Service Oriented Architecture, AWS — Amazon Web Services, DBMS — Data Base Management System, ODBMS — Object Database Management System, IaaS — Infrastructure as a Service, PaaS — Platform as a Service, SaaS — Software as a Service, CDN — Content Delivery Network