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.

References

1. Murray Woodside, Greg Franks, Dorina C. Petriu The Future of Software Performance Engineering, Carleton University, Ottawa, Canada.{cmw | greg | petriu}@sce.carleton.ca.

4. Performance Engineering and Testing The Challenges on Mobile Platforms Pavlo Bazilinskyy University of St Andrews School of Computer Science pb52@st-andrews.ac.uk, Markus Brunner University of St Andrews School of Computer Science mb246@st-andrews.ac.uk


7. Performance Test Workload Modeling by agileload.com

8. Performance Testing of Software Systems, Filippos I. Vokolos AT&T Labs - Applied Tech. filip@att.com Elaine J. Weyuker AT&T Labs - Research weyuker@research.att.com

9. Performance Testing: A Comparative Study and Analysis of Web Service Testing Tools, Shikha Dhiman Pratibha Sharma Research Scholar Asstt Professor Department of Computer Science Department of Computer Science Career Point University Hamirpur, India Career Point University Hamirpur, India.

10. A Survey on Performance Testing Approaches of Web Application and Importance of WAN Simulation in Performance Testing, Dr. Ramakanth Kumar P. Head of Department, Department of ISE, RVCE Bangalore, INDIA Email-id: ramakanthkp@rvce.edu.in Kalpan Bhargav M.Tech(SE), 4th semester, Department of ISE, RVCE Bangalore, INDIA E-mail-id: kalpan.bhargav@gmail.com


12. https://www.clook.net/


https://en.wikipedia.org/wiki/Software_as_a_service

15. https://en.wikipedia.org/wiki/Amazon_Web_Services

Index Terms

Computer Science Networks

Keywords

AUT – Application Under test, API – Application Programming Interface, DB – Database, SOA –
Performance Engineering in Cloud