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.
3. Erwin Laure, Heinz Stockinger and Kurt Stockinger, Performance Engineering in Data
Grids, CERN, European Organization for Nuclear Research, Geneva, Switzerland.
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
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5. Cloud Based Performance Testing, FungayiDonewell Mukoko, , Abhaya2, Kaushal Kumar
3, Ankush Jain4.
6. A Brief Survey on Web Application Performance Testing Tools Literature Review Isha
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7. Performance Test Workload Modeling by agileload.com
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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 
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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
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Keywords

AUT – Application Under test, API – Application Programming Interface, DB – Database, SOA –