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Abstract

The exhaustive testing of software is time consuming and expensive process. The aim of software testing is to increase the reliability of software by spotting and fixing the bugs as early as possible. Sometimes it is very difficult to generate the actual test data and appropriate test environment to ensure viability of testing. In the arena of software engineering, now processes are being shifted to the cloud. As it has become imperative for businesses to cut down the cost of entire software development and increase the quality of the software delivered to the client. Software Testing as a Service (STaaS) is going to be the next big thing in this direction. This paper presents a holistic view of the topic and explores the future of software testing in cloud.

Refer

ences

- L. Riungu-Kalliosaari, O. Taipale, K. Smolander, "Testing in the Cloud: Exploring the Practice," IEEE Software, vol. 29, issue 2, pp. 46-51, 2012.
- F. B. Shaikh and S. Haider, "Security threats in cloud computing," in Proc. Int. Conf. on Internet Security and Secured Transactions, pp. 214-219, 2011.
- E. Kajan, L. Lazic, and Z. Mamar, "Software testing as a service (TaaS): The BISA approach," in Proc. 10th Int. Conf. on Telecommunication in Modern Satellite Cable and Broadcasting Services (TELSIKS), pp. 204-207, 2011.
- L. M. Riungu, O. Taipale, K. Smolander, "Software Testing as an Online Service: Observations from Practice," in Proc. 3rd Int. Software Testing, Verification, and Validation Workshops, pp. 418-423, 2010.
- S. Tilley and T. Parveen, "Migrating software testing to the cloud," in Proc. IEEE Int. Conf. on Software Maintenance(ICSM), pp. 1, 2010.
- J. Wang and M. Fanpeng, "Software Testing Based on Cloud Computing," in Proc. Int. Conf. on Internet Computing & Information Services (ICICIS), pp. 176-178, 2011

- www.getzephyr.com/zephyr/zephyr_test_management_overview.php
- www.saucelabs.com/how-it-works
- www.skytap.com/solutions/development-and-test.php
- www.utest.com
- www-935.ibm.com/services/us/en/it-services/smart-business-development-and-test-cloud.html
- www.pushtotest.com/cloud-and-grid
- www.csscorp.com/product-lifecycle-services/cloud-based-performance-testing.php

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