

CASE STUDY: PERFORMANCE TESTING COMPLEXITY ANALYSIS ON AJAX - BASED WEB APPLICATIONS

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Abstract

The AJAX model of development for Web applications has rapidly gained a lot of popularity because of its promise of bringing the richness and responsiveness of desktop applications to the web. AJAX implementations are fundamentally different from other web implementations in two respects - they make asynchronous requests for parts of the web page. Techniques routinely used for performance testing of traditional web applications need to be modified and enhanced to suit the needs of AJAX-based applications. Using Google's "Google Search engine" service as a case study I examine the unique challenges of carrying out performance testing of AJAX-based applications and offer suggestions for overcoming them.

Keywords: Performance Testing, Software Testing, AJAX