



Performance Testing Brings Down Effort for Marathon Tyres

Client Business Description



- ◇ One of Australia's largest independent 'off the road' Tyre Company.

Background

- ◇ Marathon Tyres' TMaSS Product provides complete Tyre Management, Tyre Service and Tyre Repair to various industries and needs extensive QA & Validation for its web based SaaS and native iPad applications.

Challenge

- ◇ To Identify and fine-tuning performance of Web Servers running on Microsoft's Azure Cloud Infrastructure against the traffic from various platforms.
- ◇ As the SaaS based Mobile application was developed on different platforms and sizeable inbound requests come in from various points of use – mobile application, web based frontend and backend – it was important that the server's response times and performance parameters were carefully monitored.

Idea

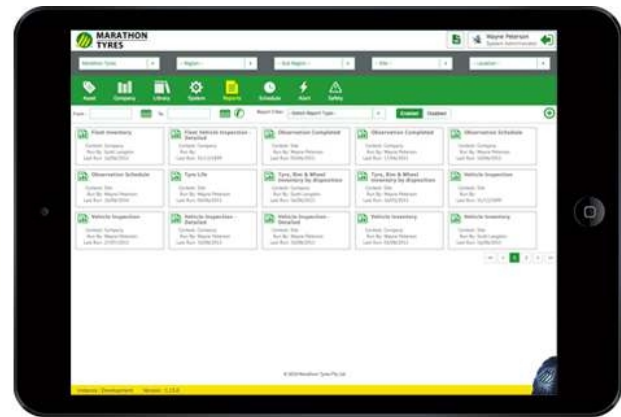
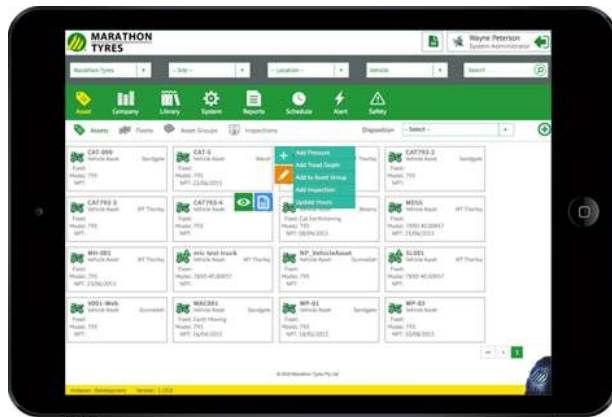
- ◇ To utilize automation for performance and load testing and predict Application Performance Tipping Points in the system to improve upon them.

Our Solution

- ◇ Mobile Pundits leveraged open source JMeter to generate mobile traffic to web application, along with Traffic Shaper XP for bandwidth throttling.
- ◇ We captured Mobile application traffic going to web servers, by changing proxy of mobile device to send traffic to Web Server via JMeter Instance.
- ◇ We also simulated real life scenarios by generating 60% traffic Mobile traffic and 40% Web traffic to the web server.
- ◇ Utilized Blaze Meter's chrome plug-in for web browsers for generating Automatic Scripts, subsequently to be run in JMeter.
- ◇ Tested the application by simulating bandwidth according to the target market.
- ◇ Provided a future ready Performance Testing solution leveraging open source and easy to maintain scripts.

Technologies Used

- JMeter
- Blaze Meter
- Traffic Shaper XP
- Java (For scripting in JMeter)



About Mobile Pundits

Mobile Pundits is an ISO 9001:2008 Certified, leading provider of end-to-end Mobile Development & Testing solutions.

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- ◇ Enterprise Mobility Strategy & Consulting
- ◇ Mobile Application Development
- ◇ Mobile Product Development
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- ◇ Cross Platform Development
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- ◇ Mobile Testing

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