

Performance Analysis Report

- using 51Degrees.mobi Framework

Performance of mobile websites designed using ASP.NET and 51Degrees.mobi framework - page access time using **51Degrees.mobi framework is 969% faster**

Independent Performance Analysis conducted by [TCL – Transition Consulting Limited](#)

ASP.NET with 51Degrees.mobi - Framework for mobile websites

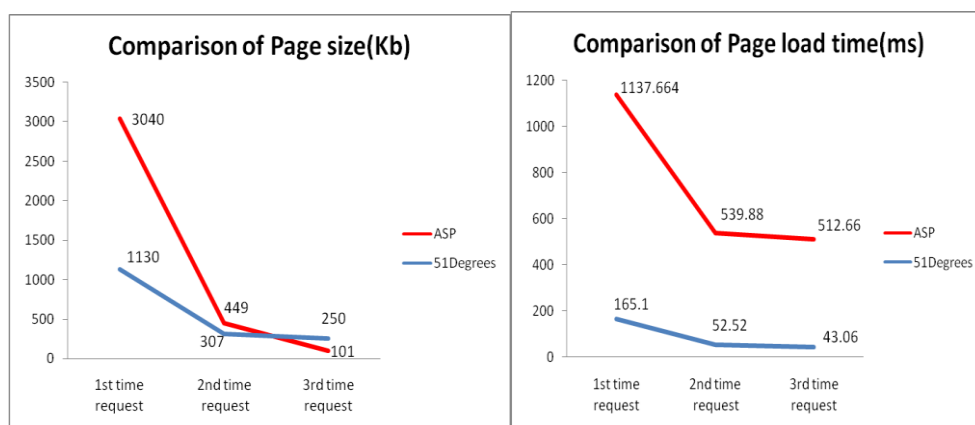


Figure 1 – Page size and load time graph with multiple successive requests

ASP.NET is a web application framework developed and marketed by Microsoft to allow programmers to build dynamic web sites, web applications and web services.

51Degrees.mobi – Framework is enhanced version of ASP.NET v2.0 controls and features with support for Visual Studio 2008 onwards. Developers can develop ASP.Net mobile web applications that perform well and create a good user experience. 51Degrees.mobi enables developers to create reliable mobile web applications, using existing hardware and technical skills with minimal risk and cost. The User Interface (UI) automatically adapts to support various mobile device including smart phones/feature phones and browser used from a single code base.

Description of Test

Identically designed web pages written in ASP.NET and ASP.NET with 51degrees.mobi were accessed using the MobiOne iPhone emulator. For the first request, page size and load time were captured using the resource monitor tools. Metrics on successive page request were captured by refreshing the page. Results for multiple successive requests were captured.



Environment

Server: Windows Server 2003 SP1, IIS 6 web server and Microsoft .NET Framework 2.0, Intel Core 2 Duo 2.93 GHz, 2 GB RAM

Client: MobiOne Emulator installed in Windows XP SP2 with Network bandwidth of 2mbps. Pentium Dual Core Processor 2.5 GHz, 2GB RAM

Controls: Commonly used web controls like data list, textbox, button, hyperlink, link button, image control, selectable controls like radio button, checkbox were used in developed web pages.



About Transition Consulting Limited

TCL Group and its subsidiary local companies form a consultancy specialising in Software Testing and over the past 10 years we have become established as leaders in the field. The first TCL company was based in the UK (Transition Consulting Limited) and the group has expanded to include enterprises in the US, Switzerland and India. A further expansion into Australia or New Zealand is expected within the next few years.

TCL's core purpose is to develop and deliver cost effective World Class Solutions in Software Testing that are Innovative, Structured and Professional and are directed towards delivering the customer's business requirements. We believe that there is no such thing as defect free software and we see our role as people that find, quantify and manage out those defects. We bring efficiencies to our work that enables delivery of software faster, cheaper and better. We are geared to deliver in all areas of software testing, from Unit Testing to Performance Testing, and everything in between.

TCL's clientele include, but not limited to: Everything Everywhere, Vodafone, Cancer Research UK, NHS, Santech, Walgreens, Lexmark Global, EADS, BBC UK, News International, iTV, SKY, Cellarstone, TDWaterhouse, London Electricity PowerGen, Atlantic Electric & Gas, Virgin Atlantic, Met Office UK, Shaw Trust UK and Symantec.

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