



smart people
smart solutions

Test early, test often to help
YOU MAKE AN IMPACT

“Speed has never killed anyone. Suddenly becoming stationary, that's what gets you”

- Jeremy Clarkson

DVT PERFORMANCE TESTING

As a modern organisation, you have likely developed an optimised mobile app or desktop software that delivers a fast, efficient and effective service to your customers and partners from a variety of different platforms or at the very least, are planning to do so.

But have you considered what happens when your shiny new software hits a speed wobble?



Ironically, performance is usually top of mind, but not so performance testing.

We always strive to make software that's **better and faster** than what came before, constantly pushing the envelope to **better service** our customers on the one hand and gain **competitive advantage** on the other. But few ever stop to think of what happens when the wheels come off...

TEST EARLY, TEST OFTEN

Performance testing must be done as early as possible in the development cycle, especially if performance metrics are going to affect the overall architecture of the solution you're building.

Performance testing can also be automated, so where automated regression testing is already part of a project, automated performance testing should likewise be included. After all, if a test fails, deployment fails.

A good example of the **benefits of proactive performance testing** is a critical mass event like **Black Friday** and **Cyber Monday**. By analysing KPIs from previous critical mass events, steps can be taken to ensure critical systems are ready for the massive spike in **traffic volume**.

Other examples of critical performance testing scenarios include:

- Moving from paper based systems to **digital systems**.
- **Platform and software updates** – SQL Server and SAP.
- **Architectural changes** – from SOAP to Jason.
- **Browser and device comparability** – smartphones and tablets.

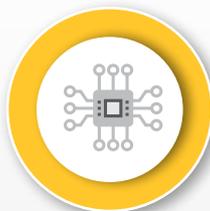
Some of the critical PERFORMANCE FACTORS we test for include:



RESPONSE
TIME



THROUGHPUT



RESOURCE
UTILISATION



MAXIMUM
USER LOAD



BEHAVIOUR
UNDER STRESS

THE DVT DIFFERENCE

At DVT we want to make **performance testing** as **accessible and affordable** as possible. We structure and allocate our skills and resources so that time consuming scripting is billed to **less expensive** resources, with **more experienced** consultants overseeing the process.

DVT is a **Neotys partner** and makes extensive use of NeoLoad as the **performance testing tool** of choice.



Lastly, all our **performance testing** resources are housed and run from the **DVT Global Testing Centre** in Cape Town, South Africa, the largest facility of its kind in Africa.

At DVT, performance testing is a partnership.

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