

Case Study

This case study is temporarily anonymous, pending customer approval.



Scapa[®] Test and Performance Platform

Scapa TPP testing in complex, real-world, VDI environments brings many business benefits; ensuring user experience, predicting system capacity etc. This case study relates the reasons behind a multinational corporation's selection, and describes their use, of Scapa TPP.

This case study describes the selection, and real life experiences, of using Scapa TPP in one of the world's largest telecom and networking organizations, a US-based multinational corporation that designs and sells consumer electronics, networking, voice, and communications technology and services.

"Scapa TPP was also the only test tool in the market that allowed us to measure user experience on the simulated ThinClient."
- system test group

"With its scalable architecture, we were able to launch 2000+ VDI sessions using multiple Load Injector virtual machines each hosting 40-50 Citrix XenDesktop™4 and 5, VMWare View™ RDP and PCoIP VDI sessions. We were also able to measure User Experience for applications such as Microsoft Office® Apps, Internet Explorer, Adobe® Acrobat® and (customer's own) Apps."
- system test group

Why Scapa TPP

Scapa TPP, the professionals' capacity planning tool of choice.

Scapa TPP is the only test tool with the power, flexibility and feature list required for proper and accurate performance, capacity and scalability testing of Virtual Applications, Virtual Desktop Infrastructure (VDI), and Desktop Virtualization solutions from Microsoft®, Citrix®, VMware® and others. With a highly scalable engine technology, tests can be scaled to hundreds of thousands of users, using any automated GUI scripting tool of choice – such as WinTask, AutoIT, .Net™ etc.

Why Scapa TPP was selected

Following a rigorous and competitive selection process, this multinational corporation's system test group selected Scapa TPP because of Scapa Technologies' technology expertise, and due to the capabilities and flexibility of Scapa TPP. In addition, Scapa Technologies has unparalleled experience in benchmarking, capacity validation, performance and scalability testing of Virtual Desktop Infrastructure (VDI), application and desktop virtualization solutions.

When it comes to test tool flexibility and the ability to run large performance, capacity and scalability tests, Scapa TPP is the professional's choice within many business divisions of this organization. Scapa TPP is extensively used in multiple test areas of VXI (Virtual eXperience Infrastructure).

Scapa TPP: The tool of choice for testing customized workflow

Scapa TPP for performance, capacity and scalability testing of customized workloads within the virtualization space.

Scapa TPP is seen as the tool of choice throughout this organization for performance, capacity and scalability testing for customized workloads within the virtualization space.

Discover accurate user densities in your Virtual Application, VDI and Desktop Virtualization environment for a workload tailored to the real end user application mix and workflow to identify bottlenecks within the system – a precursor to tuning and problem resolution.

Automate user applications using your preferred tool: GUI Automation scripting language such as WinTask, AutoIT, .NET C#/UI Automation.

Prove the value of optimization and configuration changes across the network and applications' layers.

Measurements are taken from the end users' perspective and combined with server side experience to highlight network bottlenecks and the benefit of any optimization features implemented between the client and back-end.

With Scapa TPP risks are minimized, profits maximized.



User Testimonials

Customer's use of Scapa TPP

"Scapa Test and Performance Platform (TPP) was used in multiple test areas of VXI (Virtual eXperience Infrastructure): Scale/Load and Performance testing, Single Server Scalability and Network Characterization. Scapa TPP was the only test tool we found that had the flexibility to script user behavior using any application and any GUI Automation scripting language (WinTask, AutoIT and .NET C#/UI Automation)."

End user experience measurements

"Scapa TPP was also the only test tool in the market that allowed us to measure user experience on the simulated ThinClient."

Highly Scalable Architecture for testing XenApp,

XenDesktop, VMware View and Microsoft TS® and RDS®
The Scapa TPP user interface is built in Java, with a highly scalable and optimized multithreaded engine technology built in C. This enables Scapa to be virtually CPU insignificant on the client and server side, enabling tests to scale to hundreds of thousands of users.

"With its scalable architecture, we were able to launch 2000+ VXI sessions using multiple Load Injector virtual machines each hosting 40-50 Citrix XenDesktop4 and 5, VMWare View RDP and PCoIP VDI sessions. We were also able to measure User Experience for applications such as Microsoft Office Apps, Internet Explorer, Adobe Acrobat and (customer's own) Apps."

VDI user session density discovery and Network Characteristics

"Scapa TPP was also used in determining VDI session densities of several application profiles deployed on (customer's) UCS (Unified Computing System) blade servers. TPP was also instrumental in measuring baselines for our Network Characterization studies to determine the impact of internal VXI solution components on overall VXI User Experience."

Scapa Unparalleled Customer Support

Scapa Technologies takes pride in providing exceptional customer support for all of their customers.

"Throughout our test cycles, we got excellent customer support from Scapa Technologies. We had their lead senior customer support engineer provide local training on using the tool, extensive local consultancy to help us setup our test environment with Scapa, and specific training on writing scripts to automate

users' behavior. We also had several collaborative troubleshooting sessions via Webex and GoToMeeting. Mr Derek Roberts from Scapa has been instrumental to our success as we were building our test environment and learning about the test tool."

Top Ten Technical Advantages

There are many key differentiators with the Scapa TPP solution – the Top Ten are listed below:

- 1.** Performance and scalability characteristics are taken from the end user experience, in addition to the server side experience. Server side metrics and end user experience metrics are correlated within Scapa TPP to expose the performance and scalability of your system.
- 2.** The ability to define your a workload model to suit any particular workflow and application mix.
- 3.** Ability to run live interactive tests (user load can be increased and decreased during tests runs) with real time results in addition to predefined, scheduled 'canned' tests.
- 4.** Concurrent login capability with the Citrix, Microsoft and VMware View clients.
- 5.** Ability to login to Citrix (and View/RDS) sessions via the Web broker
- 6.** Distributable Engine technology establishes the client sessions and handles the control, messaging and synchronisation logic from multiple locations simultaneously.
- 7.** Highly scalable architecture with insignificant CPU requirements from the Scapa Engine load injector component.
- 8.** Small results storage space requirements – full access to all results via SQL to the embedded relational database.
- 9.** Highly scalable and optimized, multithreaded Engine technology built with C enables Scapa to be virtually CPU insignificant, on the client and server side, enabling tests to scale to hundreds of thousands of users.
- 10.** Extensible architecture: Scapa TPP has a generic, load generating, multithreading architecture, built on a mix of Java and C, enabling the tool to be highly dynamic in responding to changes in the underlying architectures of the systems under test.

Scapa Technologies (www.scapatech.com)

Scapa TPP is a best-of-breed performance testing tool for Virtual Desktop, Remote Desktop, Citrix® and BMC Software® Remedy® AR System®, with support for additional technologies (such as HTTP(s) protocols).

All of the functionality is available in a single product and can be applied in combination, allowing Scapa TPP to:

- Benchmark
- Prove the value of WAN Optimization
- Highlight bottlenecks
- Reveal the performance and scalability characteristics from the end user perspective.
- Function in virtual architectures of any complexity.
- Facilitate migration projects between physical or virtual architectures in any combination and of any complexity.

Scapa Test and Performance Platform has a unique level of integration with Remedy AR Server and ITSM™ architectures at the C API, Java API and the http layer, and via multiple other touchpoints.