

Login VSI Test Lab Automation

A complete solution of expert services, automation software and dedicated scripts, to help R&D labs create a fully automated test environment for SBC/VDI performance and scalability testing.

Repeated performance validations are often time consuming and not always 100% comparable as many factors may influence the final results. Login VSI has developed a complete solution for Test Lab Automation enabling organizations to quickly turn around larger numbers of tests with always consistent results. This special solution is available for all larger labs using the industry standard performance testing product Login VSI for extensive load testing and benchmarking of SBC and VDI.

A complete solution of expert services, test- and automation software and dedicated scripts:

Login VSI Expert Services

Login VSI consultants are specialized in Microsoft RDS, Citrix XenApp/XenDesktop and VMware Horizon View environments, in using Login VSI to performance test these environments, and in the design, build and automation of professional test labs for these types of environments. Involving Login VSI consultants in the complete test program will also allow the use of the "Validated by Login VSI" advantages for all the tests performed, adding credibility to your results and reports.

Test- and Automation Software and Dedicated Scripts

To run the tests and benchmarks a professional Login VSI license is required. For IT-vendors this is the Login VSI Vendor Edition. For end-user organizations Login VSI is a part of the Enterprise Edition. Around the Login VSI test solution we have created an extensive framework of blueprints, scripts and libraries to design, build and run Login VSI test environments automatically. For more complex environments (such as XenApp) we will leverage the extra power of our proven software solution Automation Machine. Our standardized testing methodology and best practices complete the offer.

Login VSI Test Lab Automation makes your test activities more efficient, scalable and consistent:

1. Increased efficiency of test preparation

Out-of-box blueprints and automated scripts allow you to quickly deploy standardized Microsoft RDS, Citrix XenApp/XenDesktop and VMware Horizon View environments, and to efficiently prepare them for your specific tests by installing the applications, hotfixes, dependencies etc. you plan to validate.

2. Increased efficiency of test execution

Running VDI tests to verify multiple relevant variables (and the combinations thereof) does involve a lot of repetitive manual work. Test automation helps to run tests unattended, making it possible to test throughout the night and over the weekends, reducing overall lead-time and budgets.

The complete Login VSI Test Lab Automation solution consist of the following elements:

- Login VSI Expert Services (required)
- Framework for Automated Testing (required)
- Login VSI Vendor Edition (when not available)
- Login VSI Automation Machine (for complex environments)

3. Improved scalability of test capacity

The test environment, including design, can be easily replicated to other locations, environments, colleagues or customer sites. This allows for a fast and easy scale-up of test capacity when needed.

4. Increased consistency of test execution

An extensive set of scripts and libraries automates the configuration and execution of test scenarios. This fully automated test-approach ensures test results are 100% consistent and scientifically valid. The automation takes care of the creation of the virtual machines and the execution of multiple test runs, eliminating human interference that could influence test-data.

5. Improved collection and analysis of results

When a test is completed, the results and performance data from external systems (such as ESXtop) will be collected automatically. The most important data and telemetry will be collated together in a comprehensive report, while the original raw test results will be archived for additional inspection.

Login VSI Test Lab Automation increased efficiency, some scenario's

	Without Login VSI Test Automation	With Login VSI Test Automation
1 scenario 1 workload = 1 test	<ul style="list-style-type: none"> • 10-20 min. for rebooting, cooldown and test launcher prep. • 5 minutes for review and cleanup between runs Total manual interaction required: 20 minutes	<ul style="list-style-type: none"> • Fully automated • Fully automated Total manual interaction required: 30 seconds (a 97,5% reduction)
4 scenarios (Different OSes) 2 workloads (Task and Knowledge) = 32 tests	Total manual interaction required: 640 minutes (10:30 Hours)	Total manual interaction required: 16 minutes (a 97,5% reduction)
1 extra A/B variable to this dataset. for instance 2 options of underlying hardware (Storage1 vs Storage2) = 64 tests	Total manual interaction required: 1280 minutes (21 Hours)	Total manual interaction required: 32 minutes (a 97,5% reduction)

For more information about Login VSI Test Lab Automation please visit www.loginvsi.com or email info@loginvsi.com.

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