



VDI Scalability Testing

Load Testing

A key component of a successful VDI initiative is to clearly understand how the technology will impact your environment before making the full investment in the solution. Through load testing, we can not only identify, but also correct any potential issues by simulating live conditions.

By simulating environment conditions, as they would exist when a system has been released to production users, we are able to determine the baseline working metrics of a system and its components as well as determine the baseline operational levels of different applications.

Performance

Load testing is a supplementary extension of performance testing. We use a baseline benchmark created for acceptable usage and performance and test against this baseline by simulating and monitoring "live" conditions created through load testing. We simulate live conditions by:

- Increasing the number of users using the system concurrently
- Increasing the size of data used
- Increasing the time taken to run tests

Any deviation from the baseline created during this testing phase is analyzed for acceptability. While minor deviations can be acceptable, anything major will be flagged as an issue that requires further attention before the system is allowed to go into production.

Usability

Load testing is critical in determining the usability and stability of a system in simulated "live" conditions. So in terms of transaction timings, a key indicator of usability, load testing can determine quickly the most efficient number of users the VDI system can support.

Requirements

- A basic understanding of all the applications tested.
- A 'workflow' of a typical user for test plan development.
- A working hypervisor with VDI image needed for testing.*

* Not applicable if hypervisor implementation is part of the engagement.

About IPM

IPM is a New York City based IT consulting firm specialized in the design and integration of virtualization solutions across the enterprise. We are recognized as the go-to partner for virtualization of IT infrastructure (network, server and storage platforms), business applications and desktop systems by prominent technology vendors and globally recognized professional service firms alike. IPM has served clients across NY, NJ, CT and FL for over 25 years and is a Microsoft Gold, Citrix Platinum, EMC Velocity and VMware Premier Partner.