

BUSINESS REQUIREMENTS

Client was facing challenges in testing the drivers and software of the wide variety of products in different operating systems and different regional languages. Manual testing was not a practical solution due to the complexity and time constraints of testing. Client was looking for an automated test environment system, which can be learnt quickly and can be integrated easily with their continuous integration system.

Our Solution

- ❑ Distributed web based test automation system to manage the automated tests of 100s of testers
- ❑ Private cloud based virtual machine provisioning system capable of running 200 concurrent VMs to run the tests
- ❑ Duplicate private clouds in multiple geographic locations for load balancing and fail-over, each capable of running 5K OS
- ❑ USB and Network Device emulation to execute tests sans hardware and UI automation tools that helps to write and execute the test cases in written in XML
- ❑ Standalone tool (based on single machine cloud) using VMware workstations to run on developers and tester's machine for local testing and to download failing test cases
- ❑ UI automation tools that helps to write and execute the test cases in written in XML

Technology Stack



Asp.net, C#, WCF, WPF, VMware Virtual Server Software, SQL Server 2008, Power Shell Script, Java Script

Benefits

