

## VPN Gateway QA

### Benefits

Calsoft helped the customer:

- Accelerate development of software products and reduce time to market with proven processes and methodologies
- Produce high quality product with rigorous quality assurance process
- Quick ramp up with skilled engineers
- Achieve their overall objective at a lower cost and with guaranteed support from a proven technology vendor

### The Client

The client is a recognized leader in delivering communications capabilities to customers worldwide. They have a portfolio of solutions spanning packet, optical, wireless and voice technologies.

### The Challenge

The client was looking for an experienced vendor to test the various VPN features on different platforms of VPN. The features to be tested included Distributed ISD platform architecture, SSL/IPSec, Encryption for tunneling, URL rewriting for Browser Access, Port forwarding and the client's tunnel guard technology for end point compliance

The client also wanted to ensure browser support of VPN Client in different browsers (IE, Firefox etc) and on different platforms (Windows, Linux and Macintosh).

### The Solution

The client selected Calsoft Labs, a niche player in networking domain, as its offshore partner to take care of its testing requirements.

The testing effort involved:

- Handling both Major and Sustainance release of the product
- Test execution estimation and planning for each release.
- Execution of manual regression test cases.
- CR verification for each build
- Load testing using Spirent / Avalanche tools
- Testing integrated functionalities like Symantec On Demand Desktop (SODA) and Tunnelguard.
- Auto regression for each new build.
- Automation planning for new features
- Automation script verification and integration into framework
- Automation Patch release

## Technology and Resources

- **OS:** Embedded Linux
- **Automation Tools:** Winrunner for GUI, Spirent / Avalanche for SSL load and performance testing
- **Hardware Setup Details:**
  - A client lab with 10 test beds with 30 NVG boxes, 30 Server boxes and 20 clients (Linux, Windows and MAC)
  - Authentication servers (LDAP, RADIUS, MSAD and Siteminder) are deployed as Vmware images.
  - Linux based webservers
- **Team Size:** 12

If you wish to know more about Calsoft Labs and its offerings, please feel free to mail us at [info@calsoftlabs.com](mailto:info@calsoftlabs.com)

### About Calsoft Labs

Calsoft Labs provides specialized concept to market Product Engineering and embedded design and engineering services in select market segments – ISVs, New Media Companies, Networking and Datacom OEMs, computer hardware manufacturers, semiconductor companies and consumer electronics companies.

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