

Automation QA Testing in Virtualization End User Products

Automation QA Testing case study

SCOPE

G11N Testing
Automation Testing
Agile Model
Offshore
Virtualization End User Products
30+ Headcounts
Windows Admins Technology



ABOUT CLIENT

The industry-leading virtualization software company, who empowers organizations to innovate and thrive by streamlining IT operations, Its products can be used to improve business continuity, consolidate physical servers, move applications to the cloud, and make the IT infrastructure far more efficient.

THE CHALLENGES

This project was run by other competitive company before. The client decided to transfer this project to Beyondsoft due to outsourcing strategy change, the client hoped all 9 projects could be transferred to new supplier in a short time smoothly. Following are critical challenges:

Short Time Frame

Due to time limit, it required all Beyondsoft team members to be the quick learner to be familiar with the new products in a short time, especially for Virtualization Technologies.

Enterprise Environment Setup

As the industry-leading Enterprise / Virtualization products provider, all products from this client are running in Enterprise Environment. In this case, Beyondsoft need to setup a lot of different enterprise environment with virtualization app.

Automation testing implementation on various platform

There are different OS should be covered in testing, include: Windows, Linux, Mac OS, iOS and Android, Because of OS difference, Beyondsoft must find proper solution for automation testing on each OS.

Quality Assurance

How to insure the quality during transfer period? This is also big concerns from client.

TESTIMONIAL

“It’s really unbelievable. Your team makes it, realizing smooth project transition in short time. Thanks very much for all your efforts!!!”

– Client G11N QA Manager

“Thanks for your hard work to overcome problems and archive the success!”

-Product QA Owner

ABOUT BEYONDSOFT

Beyondsoft (Shenzhen Stock Exchange listed, 002649) is one of Asia's top-notch, full-spectrum IT services and industry solutions providers with global delivery capabilities. Beyondsoft QA Testing Center is designed to deliver right-sized, customized and ROI (Return on Investment) driven solutions that range from independent test offerings to setting up a dedicated Testing Center of Excellence for your organization.

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THE SOLUTION

- Use virtualized host to realize one host simulates more hosts. Upgrade servers with high performance Raid controller and add more hard disks to setup a disks group in Raid 0 to improve the performance of servers. Also upgrade the network environment to gigabit network to improve the network speed.
- After investigation, Beyondsoft decided to use different automation testing tools to implement the automation on different platform, such as: using Ranorex to do automation testing on Windows; using Instrument to do automation testing on Mac OS and iOS; using STAF to do the distributing tests.
- The client provides a series of training to Beyondsoft new members. We recorded all training and shared it via internal Wiki. Thus all team members could review the training courses at any time if needed.

Quality Assurance

- Internal Training for each member to improve the required skill for testing.
- Internal 2nd person review before delivering.
- Regular meeting, such as, daily report, weekly meeting, quarterly review meeting with Client to ensure the delivering beyond client's expectation.

THE RESULTS

With strategic process planning and Testing Automation technology application, Beyondsoft helped client realize smoothly project transition from other vendor within short time frame and remarkably shorten product release cycle by significant decrease in defect tend, and increased in defect number per unit time spent.