



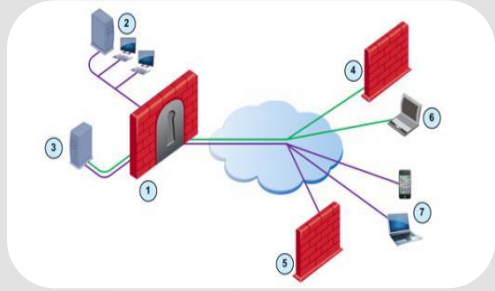
GadgEon

Engineering Smartness

GATEWAY, ROUTER & FIREWALL TESTING



Gateway, Router & Firewall Testing



The customer was looking for testing of their Gateway Router and Firewall using Open Source Components in Elastix

The Solution

- Technology : Advanced Router, Advanced Firewall and Gateway realization using open source components, Elastix, Smarty PHP, HTML, Test automation, Python & Perl
- Testing Strategy - setup Continuous Integration framework on Linux using Jenkins, Robot framework, Selenium and Sikuli
- Test Plan creation for functionality testing for features - DHCP, DNS, Routing, VLAN, Firewall, VPN, PPTP, PPPoE, WLAN and Web GUI
- Manual testing for features - DHCP, DNS, Routing, VLAN, Firewall, VPN, PPTP, PPPoE, WLAN and Web GUI
- Scripting in Python to automate testing for above listed features which can be executed using Robot framework and Selenium Library.
- Custom API development in Python for testing the network features.
- Debugging and Performance analysis using open sources tools like Wireshark and iPerf
- This project was execute in Agile methodology by using open source based Continuous Integration framework

THANK YOU



For More Details, Let's Connect



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