

Swan Solutions Helps Government Entity Upgrade to a Secure Network Infrastructure

An Indian government organization which holds sensitive financial information about government employees witnessed a hike in the number of apps and users, resulting in clogged network and slow down.

Objective

To upgrade network infrastructure and make it highly scalable and secure.

Solution

CyberOam 200iNG Firewall
HP 5500 Series Fully Managed L3 Switches
HP 2530 Fully Managed L2 Switches

Service Provider Swan Solutions (Mumbai)

Results

- State of the art network infrastructure
- Highly scalable & highly secure
- Easy to administrate
- Complete visibility of Internet access across organization
- Business continuity is ensured
- Firewall to protect from data breaches
- 23 departments connected over a single - network

It's common for enterprises to witness a hike in the number of apps and users, while the network gets clogged and slow. An Indian government organization which holds sensitive financial information about government employees came across the same issue. As the government organization started depending on computerization rather than maintaining records on files and papers, their IT infrastructure grew huge and complex. In their case, security and ease of use were equally important aspects while designing a network infrastructure upgrade.

Challenges

Firstly, the organization had multiple silos of networks spread across two floors. There was no consolidation, while switches were interconnected. The current system made it difficult to diagnose the source of an issue. Besides, Internet usage was not monitored properly, hence creating an unsafe environment. With the growing number of users and complexities, the network gradually became slow. There was also no scope for scalability with the current infrastructure.

Solution

The government organization approached Mumbai-based Swan Solutions to solve their network issues without disturbing day to day operations. "We offered to study their existing IT infrastructure thoroughly and understand their pain points. Based on our observations, we suggested solutions to improve the IT infrastructure that would eventually help the organization manage its growing needs of enterprise computing," comments Abhijit Salvi, Head - Solutions at Swan. Swan Solutions installed CyberOam 200iNG Firewall, HP 5500 Series Fully Managed L3 Switches and HP 2530 Fully Managed L2 Switches at the organization.

Business Benefits

- The new network infrastructure is highly scalable and easy to extend, accommodating future growth.
- The network infrastructure is easy to administrate and monitor.
- All HP Switches are bundled with a lifetime warranty, which gives a good return on investment.
- HP Switches support IEEE standard protocols, instead of using proprietary protocol. This allows HP switches to support good interoperability with other network vendors.
- Due to dedicated connectivity between access switches and core switches, dedicated network throughput is allocated to each and every department which avoids any network performance bottlenecks.
- The new network architecture has been designed to avoid point of failure at core level or Internet connectivity level. This ensures business continuity and productivity loss.
- VLANS ensure small broadcast domain and smooth inter-VLAN traffic flow.
- The complete network is protected behind the firewall. Only legitimate traffic is allowed into the network. The firewall gives complete visibility and reports of Internet usage by employees, which allows the management to control misuse of Internet bandwidth.

Contact Information

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