

CASE STUDY TITLE: Datacenter Network Security Implementation

Datacenter Network Security Project

“A leading Private Sector bank based in South India, with a turnover of \$20 billion and serving millions of retail customer and thousands of Corporates”

Executive Summary

The project was aimed at design and implementation of Network security for datacenter, addressing the IT management network, Intranet, Internet edge, partner networks and internet banking.

Challenges

The primary challenges around the existing network were;

- Only Perimeter security for Internet.
- Lack of Datacenter firewall
- Lack of proactive defence mechanisms

- Unprotected partner networks
- Only VLAN based segregation of IT management team in datacenter

How the solution helped

The design was delivered us the Defence in depth approach. Various logical components including IT management network, Intranet, Internet edge, partner networks and internet banking were identified and moved under independent firewall based segment.

The Datacenter server environment was protected using the Cisco Catalyst 6500 series Firewall Service modules. This offered tremendous performance and scalability upto 20 Gbps. The Switches themselves were configured on VSS to enable continuous performance. The various datacenter servers themselves were segregated by business/application. Additional protection was delivered using the IDSM-2 modules for Intrusion detection. The Various network segment are protected using Cisco ASA firewall.

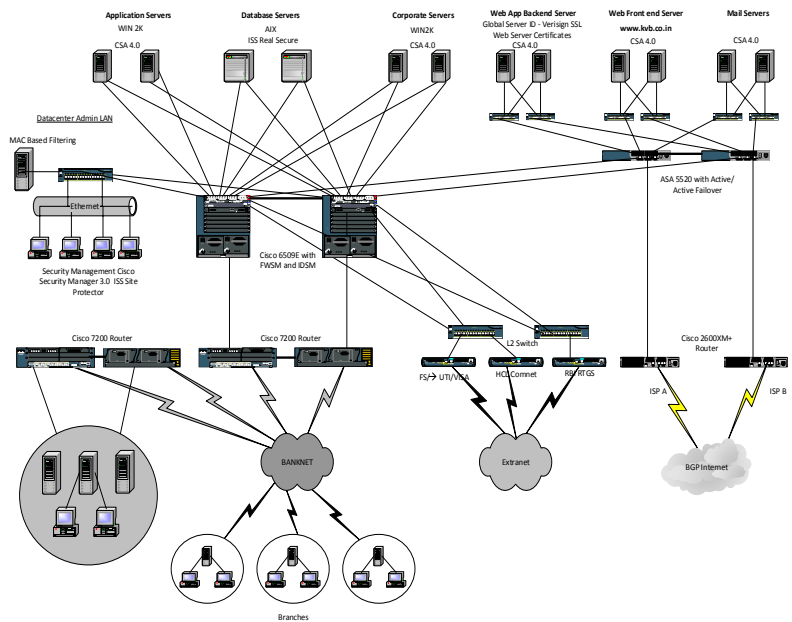
The Critical servers themselves was protected using host based protection. The entire Security infrastructure is managed using Cisco Security manger 3.0.

On implementation the security infrastructure was managed for a period of 3 years on 24X7 basis.

Results, Return on Investment and Future Plans

The design was validated and certified by an independent security consulting organization. The fact that the Bank faced no security issues during our contract period is testimony to design and the robustness of our implementation.

This enabled the bank to roll out several new applications to support their business needs and also allowed them to connect many new partners to render more services for their customers.



The defence in depth based network security architecture