



A leading financial services firm embarks on digital workplace transformation with Swan.

Industry: Financial Services

Head Quarter: Mumbai, India

Client: An Indian diversified financial service holding company.

Objective

- Enterprise class secured network.
- Required Wired & Wireless connectivity
- Improve, monitor and control network security.

Solution

- HPE Aruba Switches
- Aruba AirWave
- Aruba Access Points

Service Provider: Swan Solutions (Mumbai)

Results

- Visibility, control and security response achieved.
- Reliable wireless connectivity and monitoring.
- Centralized control which reduced management and operations cost for the company

The project involved a successful deployment of 3-tier enterprise network architecture. HPE Aruba Switches and other Aruba products were implemented to completely transform the network infrastructure of the organization and strengthen it to its core.

The company was looking to establish a new office in Kolkata and wanted to secure its Network as these centres were to host offices for multiple line of Business for customers. They approached swan as they required wired and wireless connectivity along with Enterprise class secured network.

Aruba ClearPass helped the customer to bring visibility, control and security response and become an anywhere, anytime, any-device enterprise. It helped them achieve agentless visibility and dynamic role-based access control for seamless security enforcement and response across their wired and wireless networks.

Challenges

- The customer was coming with new group office in Kolkata. This centre was to host offices for multiple Line of Business for customers. Passive cabling had to be done for 2000 + data and 2000 Voice Points, and 42 Access Points.
- Total users' strength was predicted to be more than 2000, spread across 4 floors, 7 LOBs. The company required Wired & Wireless connectivity. Moreover, there was a constant danger of a network breach and hence enterprise class secured network was a necessity.

Swan Solution's Approach

- Deployed 3 tier network architecture as the limiting functions of the individual layers make the network easier to operate and maintain.
- We recommended a repeatable design as it is faster to deploy across multiple floors.
- An intelligent access layer that provides protection from attacks while maintaining user transparency within their layer-2 VLAN boundaries.
- Redundant uplinks forward traffic, providing higher bandwidth and resiliency without creating layer-2 STP loops in the network.
- An aggregation/core layer was implemented that provides IP routing using OSPF and IP multicast using PIM sparse mode with redundant BSRs and RPs.
- Layer-3 switch with backplane stacking, tunnel node, ACLs, and robust QoS.
- Deployed Aruba ClearPass Solution for Guest authentication that enabled seamless network access for employees, guests.
- Plug and play deployment for wireless APs.
- Adaptive Radio Management and ClientMatch technology to maximize WLAN performance by dynamically choosing the best Wi-Fi channel and transmit power.
- Deployed Aruba Airwave Management and Monitoring solutions from Aruba.
- AppRF and Intelligent Application Identification to provide visibility into the applications running on the wireless network.

Business Benefits

- Specific functions of individual layers made the network easier to operate and maintain.
- Centralized control of wireless environment reduced management and operational cost for the company.
- Reliable wireless connectivity was achieved that increased the organizations mobility and agility. This enabled quick decision making.
- Modular building blocks quickly scaled as the network grew.
- Location-independent network access improved employee and guest productivity.
- Hard-to-wire locations received network connectivity without costly construction.

Contact Information:-

Swan Solutions & Services Pvt. Ltd

404 T-Square, 4th Flr, Saki Vihar Road,
Andheri East, Mumbai 400 072 INDIA.

EMAIL: enquiry@swansol.com

WEBSITE: www.swansol.com

