NETSiS

Emerging ISP of ASEAN country

Expansion of Existing Network

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IN SUMMARY

- ISP needs to increase link speed to 2.5Gbps at IX
- IT Security needs to be cover extensively on the existing & new network
- Setup of NOC to monitor & manage network. Engineers need to be train to administer network

TECHNICAL OVERVIEW

- Short deployment period with minimum down time
- Policy routing allows ease of management
- Insight into bandwidth utilization & effective management

The Result

Undoubtedly, company have the superior edge over competitors. Achieved status of No. 1 ISP in country as reported by numerous magazine and surveys in less than six months. Customer base more than doubled and smaller ISP began to approach and work with company as partner instead of direct competition.

Client Background

ISP market in the country is heating up. Competitor is offering lowerprice with higher speed and better connections. Company decided to upgrade network and be the No. 1 ISP in country

The Challenges

Time is of essence. Upgrading of equipment, link and connectivity is to be carry our immediately and with no unplanned disruption to services.

New enhancements are to be scalable and secure. Qos and redundancy are to be in place.

Weaknesses in current technology utilise & manpower to operate scale of new network

The Solution

Netsis team introduces a new gateway router to upgrade link from 500mb to 2.5Gbps using by connecting to a neighbouring country. The gateway router is upgraded with much more memory to hold all internet routes. Cache farm is introduced with the internet gateway router and along with policy base routing deployed to simplify and consolidate routing management. Firewall, bandwidth optimization/throttling, NMS, DDOS systems are introduced into the network. With enhanced insight into network content, QoS & early detection of threat is now proactively monitored and managed. An additional MAN layer is added to offer connectively from other smaller ISP to link to their existing network, maintaining scalability while keeping their own core & distribution network running at optimal speed without compromising security threats from third parties' networks. The core switch has also been upgraded to facilitate a 10Gbps link to the distribution layer. BRAS are introduced to effectively monitor and address latency and congestion issues from DSLAM, Wifi, WiMax etc.

NOC setup to monitor & managed client's network and also to support third party interconnected ISPs. Client team is extensively trained to man and manage the NOC on 24x7 basis