Large Asian Telco Improves Performance for 100 Million Subscribers with NIOS DDI

THE CUSTOMER: LARGE ASIAN TELECOM SERVICE PROVIDER

THE CHALLENGE

Managing a Spike in DNS Traffic Without Impairing Performance

The customer is a large Asian telecom provider of mobile 2G and 3G voice and data services with over 100 million subscribers. The company's DNS infrastructure was in need of a significant upgrade in order to cope with the growth in subscriber DNS traffic. They were using open source BIND software on multiple Sun servers and needed to upgrade this infrastructure to support high DNS traffic growth and to provide better performance along with centralized management and reporting visibility. The incumbent DNS caching vendor was unable to offer reporting capabilities without moving customer data offshore infringing national data security and privacy regulations.

The operator also needed assurances that the chosen solution would continue to scale upwards to support a growing user base and increasing DNS traffic levels while enhancing the user experience.

THE SOLUTION

Unprecedented Reporting Functionality and Visibility into the Network

Infoblox deployed nine, large, carrier- grade appliances across three cities, as DNS caching servers with centralized management via the Infoblox Grid. An additional reporting server was also deployed, enabling all reporting to be done locally. The Infoblox reporting solution includes in-depth reporting on DNS conditions for each server on the network, as well as aggregated, network-wide reports on DNS traffic levels and trends.

Customer: Large Asian Telecom Service Provider
Industry: Telecom Service Providers
Location: Asia

OBJECTIVES:

- Upgrade open source software to support growth in customer base

- Improve performance for 100 million subscribers

- Obtain data visibility and reporting capabilities

RESULTS:

- Freedom from manual, hands-on, administrative tasks

- Scaling improvements in labor resources

PRODUCTS:

- NIOS DDI

THE RESULTS

A Scalable Infrastructure Prepared to Support Business Growth

The Infoblox Grid provides centralized management visibility from a single GUI console while also automating many routine manual administrative tasks.This leads to the elimination of extensive, manual, hands-on, support by skilled technical staff, freeing them from routine manual operations and enabling them to concentrate on more strategic tasks, while also eliminating manual configuration errors. The result is considerable scaling improvement in the level of labor resources needed to support this critical infrastructure. There remains significant spare capacity in the Infoblox DNS servers, which will cope with future traffic growth. New DNS server appliances can be added without adding significant operational support staffing.

Local Infoblox support staff developed a close working relationship with the operator, ensuring that the customer would be supported locally and cost-effectively over the long term.

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Infoblox unites networking and security to deliver unmatched performance and protection. Trusted by Fortune 100 companies and emerging innovators, we provide real-time visibility and control over who and what connects to your network, so your organization runs faster and stops threats earlier.

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