VeriSign’s DNS Constellation

Date: May 2008
For APTLD Meeting – Kuala Lumpur, Malaysia
Candidate regions for service expansion are identified through monitoring and analysis.
Traffic analysis shows sources of DNS queries to .com and .net TLD servers.
Locating DNS servers near users and major internet peering points to improve DNS reliability and responsiveness.

Verisign positions servers to meet the needs of growing and emerging markets.
VeriSign’s DNS Constellation Expansion

Internet Traffic and Usage Patterns Drive Constellation Site Placement

Expansion to meet the growth in underserved markets
Number and capacity of sites adds to stability of system.
“Noisy” Attacks

- Adware
- Viruses
- Spam
- Phishing
- Worms

Noisy" Attacks

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APTLD – Kuala Lumpur, Malaysia (May 2008)
Registry Challenges

Security Attack Bandwidth vs. Normal Bandwidth

Bandwidth required to handle escalating security attacks

Source: VeriSign

VeriSign’s DNS Constellation
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Building for the Future – Project Titan

+ **Capacity**
  - From 400b to 4t / day

+ **Bandwidth**
  - From 20Gbps to 200Gbps

+ **Redundancy**
  - From 20 sites to 100 sites
  - Innovation
  - Scale, security, monitoring, response
Conclusion

+ The digital world is driven by Internet Infrastructure
  ▪ This platform is an enabler for growth
  ▪ We are in the early stages of this wave

+ VeriSign advantages
  ▪ We live at the HEART of the Internet
  ▪ Our scale
  ▪ Our unique IP
  ▪ We are the most trusted brand on the Internet

+ Building for the future: Project Titan and beyond
  ▪ We have developed – and will continue to develop – the tools necessary to meet the demands of Internet-scale computing
Thank You

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