

Summit Leaders Connect with Confidence



Nuclear Security Summit 2014 gets safe, reliable Cisco network

EXECUTIVE SUMMARY

Customer Name: Ministry of Foreign Affairs

Industry: Government

Location: Netherlands

Number of Employees: 2500

Challenge

- Keep network up at all times
- Stop IT attacks
- Reuse equipment

Solution

- A good team
- Good architecture
- Many capable suppliers
- Cisco networking, wireless, security, and collaboration
- Cisco Services

Results

- 90 percent of devices re-used; 10 percent held in store
- No security breaches and no downtime

Challenge

Barack Obama, President of the United States, called nuclear terrorism one of the greatest threats to international security. With that in mind, he hosted the first Nuclear Security Summit (NSS) in Washington D.C. in 2010 to draw attention to the need to secure nuclear material.

Four years later, 58 world leaders attended the NSS 2014 Summit in The Hague (after 2012 in Seoul). The conference charted progress over the past two years. It focused on unmet goals and proposed ways to achieve them. The venue's network simply had to work. It had to be secure. For a cost-effective implementation, it needed a set-up that could be re-used elsewhere.

Solution

The site, with five buildings and four tents, had a number of small networks. The Dutch Ministry of Foreign Affairs had switched these off. It knew that only building a new network from the ground up would offer sufficient bandwidth and security.

In collaboration with the ministry, Cisco Services worked on the high-level network design. It planned a secure wired and wireless network with mobile extension, plus IP telephony. Cisco Prime™ was added for tracking and management. Products were chosen for their future value to other parts of the Ministry.

Cisco Services also did the low-level network design. Together with the ministry it planned a Wi-Fi network with over 250 Access Points. A Cisco expert set up the security devices. Four Cisco Services staff joined the network operations center for the event. "Knowing we had the help of Cisco experts gave us added confidence," says Han-Maurits Schaapveld, project director, NSS2014.

Results

The tension climbed as the event neared. The NSS launched an application in place of a delegate's handbook, so visitors could check location, program, and participants on their portable devices. And as NSS began, the app's security was mentioned on social media. This sparked further fears of attacks, but the network held. There were no security breaches. "We had 100 percent uptime," says Bob van Graft, director of joint IT services NSS.



“Knowing we had the help of Cisco experts gave us added confidence.”

Han-Maurits Schaapveld
NSS Project Director
Ministry of Foreign Affairs

The Ministry set up, in effect, a virtual embassy with secure links for the organization. Some 1500 delegates, 2500 press, and 1000 Ministry staff were able to connect freely and securely, with a Wi-Fi network that could perform at 450 Mbps. Wired links allowed some sessions to be streamed to press rooms. For security, the press had its own VLAN. Reporters used it to file reports and images from the event.

The Ministry also met its aim of re-using equipment. After two months of planning, the network came down in just two days. Van Graft says: “Most people plan a network to last. We planned ours to be broken up. About 90 percent of the set-up is on its way to be re-used. The other 10 percent is being stored for other events.”

For More Information

To learn more about the Cisco solutions in this case study go to:

www.cisco.com/go/collaboration

www.cisco.com/go/wireless

www.cisco.com/go/security

www.cisco.com/go/services

Product List

Data Center

- Cisco Unified Computing System™ (UCS®)
 - Cisco UCS C220 M3 Rack Servers

Collaboration

- Cisco Unified Communications Manager Version 9.0
- Cisco Unified IP Phone 7945G

Routing and Switching

- Cisco Catalyst® 3750-X, 3850, and 6504-E Series Switches
- Cisco Catalyst 3560CG-8PC-S Compact Switches
- Cisco 2900 Series Integrated Services Routers

Wireless

- Cisco Aironet® 3600 Series Access Points
- Cisco 5508 Wireless Controllers

Network Management

- Cisco Prime Infrastructure
- Cisco Prime Security Manager

Security

- Cisco ASA 5545-X Next-Generation Firewall
- Cisco Identity Services Engine

Services

- High-level and low-level design
- Implementation support
- Network Operations Center



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