

Our presentation from the Rochester Security Summit: “VLAN Hopping and Secure Networks”

Many networks use 802.1Q VLANs as a method of network segmentation. While very effective in logically separating the collision domains of various departments or customers, much care needs to be taken if 802.1Q VLANs are used as a security control. Various vulnerabilities exist within the 802.1Q protocol and the Ethernet switches that use it. These vulnerabilities can lead to exploits generally known as "VLAN Hopping". VLAN Hopping allows an attacker to send Ethernet frames to a target directly through the Layer-2 switching fabric, bypassing the desired VLAN segmentation and Layer-3 controls such as firewalls.



We will explore methods by which VLAN Hopping is accomplished, and some countermeasures that the Network Administrator can employ to help protect against it. *(To view the presentation slide deck, you can download it directly from our website at: <http://isecurenet.net/docs/VLANhop.pdf>)*

It's National Cyber Security Awareness Month!



October 2011 marks the eighth annual National Cyber Security Awareness Month sponsored by the Department of Homeland Security in cooperation with the National Cyber Security Alliance (NCSA) and the Multi-State Information Sharing and Analysis Center (MS-ISAC).

The overarching theme for National Cyber Security Awareness Month is “Our Shared Responsibility,” which reflects the interconnectedness of the modern world and the message that all computer users have a role in securing cyberspace.

This Month's Product & Services Promotion:

Now try Mobile Device Management for FREE!



More and more employees are shifting their computing tasks from desktops and laptops to smartphones and tablets. As a result, they're taking the company's information resources with them into dangerous new territory. Today's enterprises must protect data that's travelling back and forth between the corporate network and users' devices. They must also manage and secure the proliferation of diverse devices – employee and company-owned that are running on different platforms, sometimes even in

locations unknown.

Zenprise MobileManager provides customers with a triple layer of security that operates at the device, application and network tiers; thereby providing a security solution that goes everywhere the data goes, securing every point in the enterprise's mobile environment.

iSecure is offering a free trial for Zenprise's MobileManager (*through December 31, 2011*). For more information, or to schedule a free onsite consultation, please contact Mark Zane, VP Sales, at 585-419-8249 or mark.zane@isecurenet.net.

Q&A Corner: Send us your security questions!

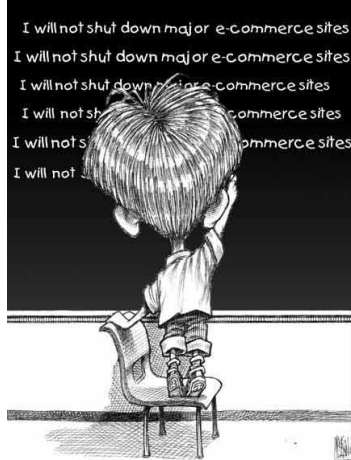
iSecure wants to help answer your questions! Please email us your network security question, and we'll select a few of those submitted to post and answer in our upcoming newsletters. Questions can be submitted to: support@isecurenet.net with "Newsletter Q&A" in the subject line.



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