

IT Network Security Services



A Registered Cisco Partner



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24th August 2009





Penetration Tests & IT Network Security Audits

Threat: Hackers attack both private and corporate systems on a daily basis. The attacker can be stationed anywhere in the world and needs just internet access and the appropriate tools. The threat is real and it happens thousands of times a day. Many attacks take place undetected and result in the theft and destruction of valuable data.

Solution: Penetration Tests and Network Security Audits. ProNetExpert will, with the legal permission of the network owner, attack customer systems in the same way as a Hacker. In doing so, ProNetExpert is able to expose security holes in the system.

Benefit: The customer is made aware of the Security holes that exist and could be exploited by a hacker with malicious intent to gain unauthorized access to the customer network. In addition, ProNetExpert will prepare a plan of action and, if the customer wishes, implement the closure of these holes.

Compliance & Government Best Practices

Necessity: More and more governments define rules and frameworks around IT Network and Host Security. Customers dealing with sensitive data, such as government information, financial information (i.e. credit cards) and medical health records, must ensure their network and systems are compliant with government standards.

Solution: ProNetExpert will analyse the customer network and host systems, and formulate an action plan and Security Policy to assist the customer in becoming compliant with the rules and regulations of the country in question. ProNetExpert can then help the customer in implementing the necessary security appliances and protocols to ensure all compliance requirements are satisfied.

Benefit: Companies will meet government and/or financial security compliance standards, are protected from threats and, in the unlikely event of a security breach, the customer is protected from legal consequences as the compliance framework and Security Policies are in place.

IT & Network Security Training Courses & Workshops

Necessity: Security awareness amongst personnel operating and maintaining security equipment is a hugely important factor. Ongoing Security Training has become of increased concern to customers as they battle to defend themselves against digital threats.

Solution: ProNetExpert offers a variety of IT and Network Security Training Courses. Those courses include general IT Security training courses such as the Certified Ethical Hacker class, Penetration Testing class and IT Security awareness class. Additionally, ProNetExpert Offers Cisco authorized Security Classes on products such as Firewalls, Intrusion Prevention Systems, VPNs, Router & Switch Security, Host Intrusion Prevention Systems, Identity Management, Security Management and Wireless Security. All Cisco CCSP courses delivered by ProNetExpert are fully compliant to the US NSA Security standards 4011 and 4013, as well as to the US Committee on National Security Systems (CNSS).

Benefit: Both end users and engineers are trained on the latest security standards and best practices to be able to operate and maintain secure IT Network Infrastructures.

Cyber Attacks and Cyber Warfare

Threat: Individuals, corporate companies and governments become are now a constant target of Distributed Denial of Service (DDoS) attacks, whereby a victim network or system is flooded with vast amounts of traffic in an attempt to bring it to a standstill and discontinue its legitimate use. Blackmailing is also a common practice - if funds are not paid to the criminal organizations in question, the services of the victim are taken offline. Likewise, unfriendly governments may launch Cyber attacks as described above, as a form of electronic Warfare.

Solution: ProNetExpert can work with customers and governments to design and implement appropriate systems that are capable of dealing with such attacks without compromising the services available. Furthermore, comprehensive Training can be provided to ensure users of these systems can harness their full defensive potential.

Benefit: Customers and governments are protected from DDoS attacks by having the appropriate defence systems in place.

Email & Website Content Threats

Threat: Millions of users are targeted by fraudulent emails and websites daily. Criminals attempt to deceive users into disclosing personal and financial information.

Solution: ProNetExpert can provide expert consultancy on the latest Email and Web Filtering solutions in order to render malicious sites inaccessible for unsuspecting end-users, and to scan and delete Emails with malicious intent (Spam, Phishing, Virus Attachments etc.) Once again, Training can be provided by highly skilled instructors with extensive experience in these areas.

Benefit: Customers are protected from the danger presented by fraudulent Emails and websites.

Wireless & Voice over IP Threats

Necessity: Voice over IP Communications and Wireless / Mobile Technologies are gaining more and more popularity. However, they also bring inherent Security risks if not secured appropriately. Standard Wireless and Voice over IP communications can easily be intercepted by malicious hackers, leading to the theft of highly sensitive and valuable information.

Solution: ProNetExpert can work with customers in securing both Voice over IP Networks and Wireless



Infrastructures to meet the latest Security standards. Strong Virtual Private Networks (VPNs), encryption and authentication schemes can be implemented to guarantee Integrity, Confidentiality and Availability. Training Courses can also be provided.

Benefit: Customers can enjoy new technologies and use them to their fullest potential whilst guaranteeing the very highest levels of security.

IT Network Security Consulting

Necessity: Many companies have security systems in place. However, often they are not configured to the latest Security best practices, nor used to their fullest extent.

Solution: ProNetExpert offers Security Consulting on all IT Network Security systems and solutions, such as: Firewalls, Intrusion Prevention Systems, Host Intrusion Prevention Systems, Access Control, Virtual Private Networks, Identity Management, and Security Management. Additionally, ProNetExpert delivers complete training on all technologies and systems.

Benefit: Customer Security equipment is designed, configured and maintained to the latest Security best practices, thus ensuring a secure and reliable infrastructure.