Computer Science E-1

Understanding Computers and the Internet

Lecture 9: Security, Continued

Wednesday, 15 November 2006

David J. Malan
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Agenda

- Defenses
  - Firewalls
  - Proxy Servers
  - VPNs
  - Cryptography
    - rot13
    - DES
    - RSA
    - AES
  - Virus Scanners
  - Product Registration and Activation
  - Scrubbing

Defenses

Firewalls

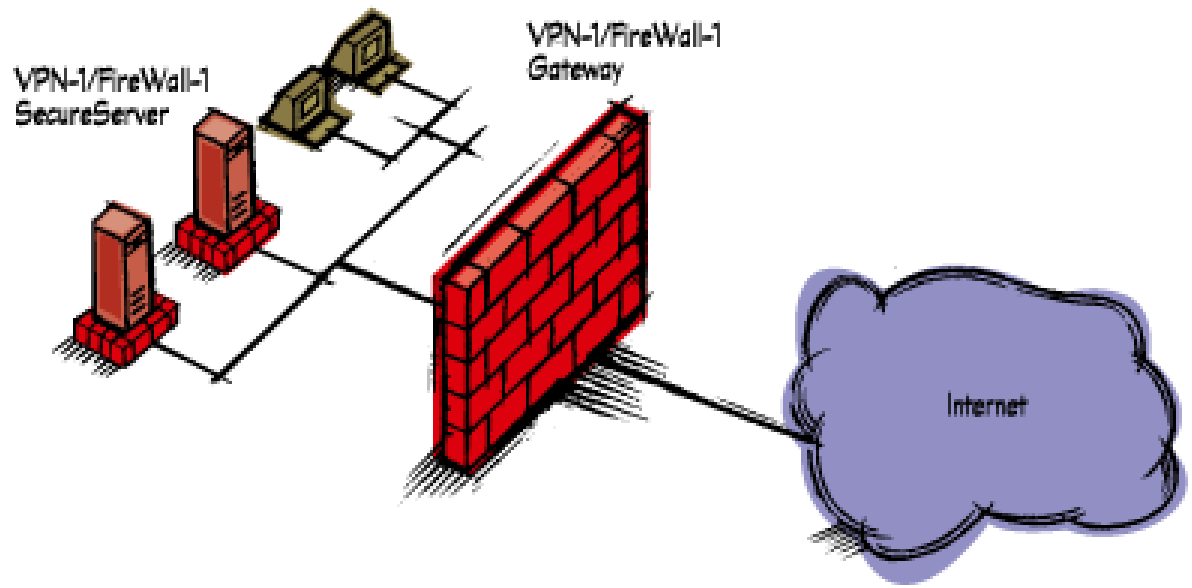


Image from http://www.checkpoint.com/products/protect/secureserver.html, copyright © Check Point Software.

Defenses

VPNs

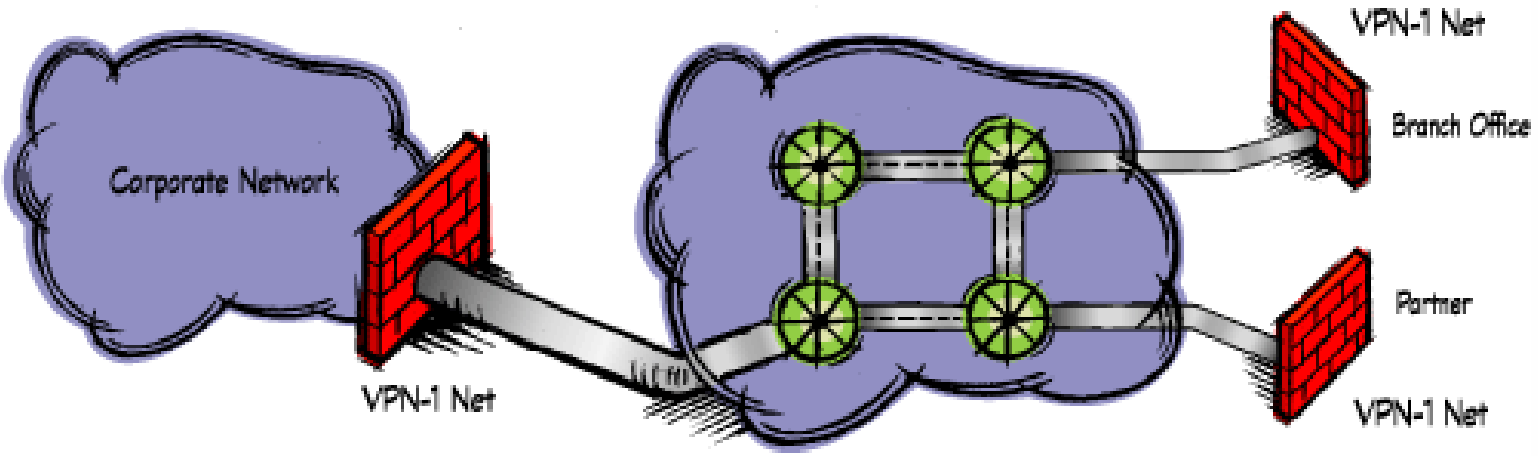


Image from http://www.checkpoint.com/products/connect/vpn-1_net.html, copyright © Check Point Software.

Defenses

Proxy Servers

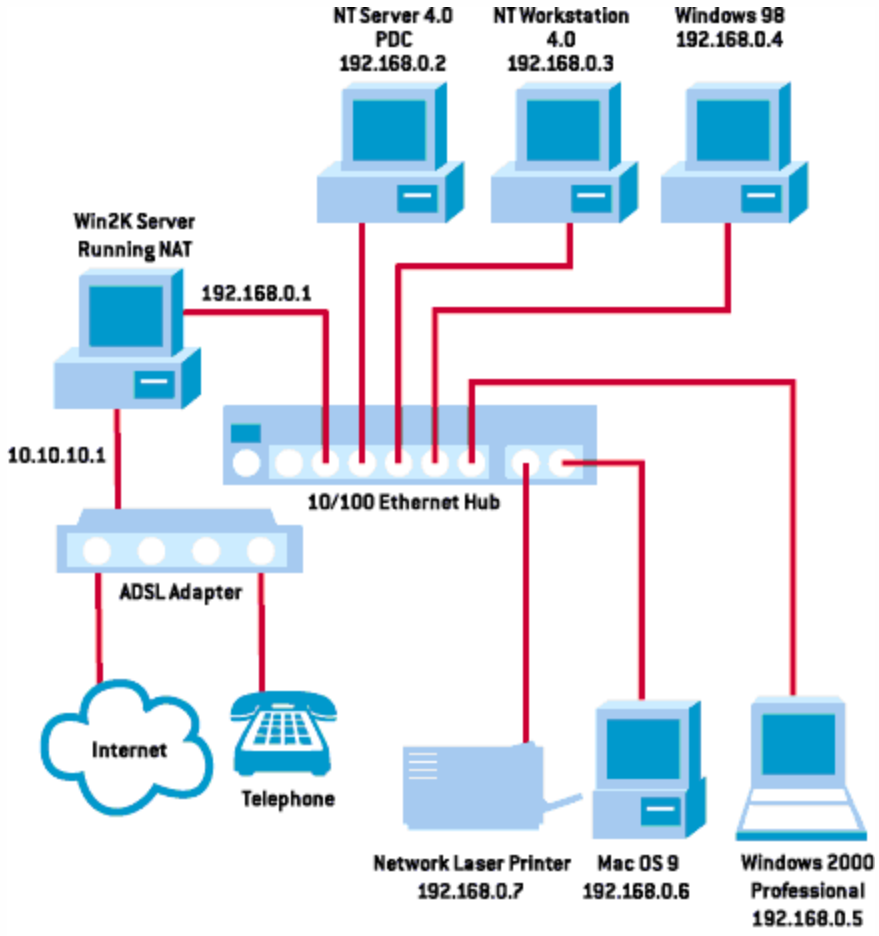


Image from http://www.win2000mag.com/Articles/Index.cfm?ArticleID=7882, copyright © Penton Media, Inc.

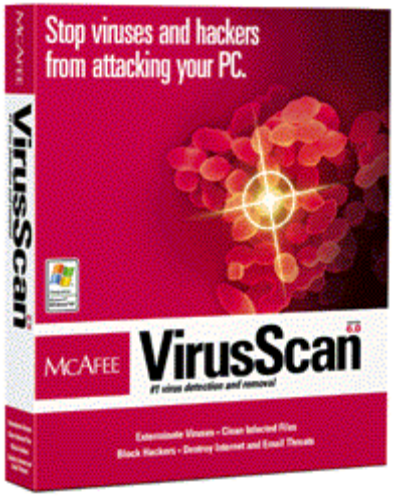
Defenses

Cryptography

Or fher gb qevax lbhe binygvar!

Defenses

Virus Scanners



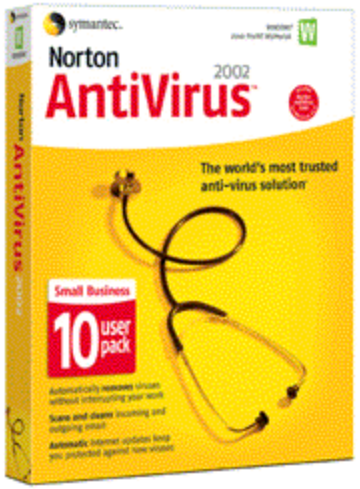


Image from http://www.otr.com/ciphers.html.

Defenses

Product Activation and Registration

Defenses

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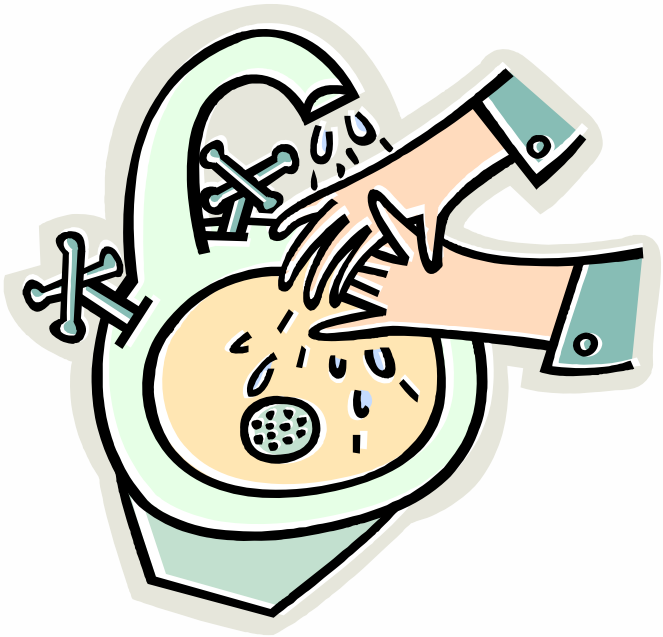
Product Activation and Registration

Defenses

Scrubbing



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