

Deploying and Managing Firewalls

**Presented by:
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Slide 1

About the Speaker

- **CCIE #1773, CCIP (QoS, BGP, MPLS)**
- **CCSI #94014, taught many Cisco courses**
- **Consulted on network design and net management for many Cisco sites**
- **Network security reviews**
- **WLAN Security seminar**
- **Enterprise Networking Magazine articles, see links under <http://www.netcraftsmen.net/welcher>**



Slide 2

Security Policy First!

- This talk assumes you've already formed your security policy and have a network diagram handy
- See the *Introduction* chapter in the *Configuration Guide* for PIX 6.0 about forming a security policy ... good advice!
http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/pix_sw/v_60/config/intro.htm#1020496
- A PDF of the slides can be found at
<http://www.cisco.com/networkers/nw03/presos/docs/SEC-2020.pdf>



Slide 3

PIX in a Nutshell...

- **Firewall**
 - Default plus your own access controls
 - Protections against attack: application inspection and protocol enforcement
 - Adaptive Security Algorithm: stateful inspection +
- **NAT/PAT**
 - Ability to support many NAT-hostile protocols
- **IPSec VPN**
- **Manageability (SNMP, syslog, etc.)**
- **Stateful failover**



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