

Secure End user Connection (SEC)

www.sakerkundanslutning.se

2011-09-06

Marcus Jonsson, Absilion



ABSILION

your shortcut to IP services

ABSILION – developer of Netrounds



ABSILION

your shortcut to IP services

About Absilion

- Experts in network testing
- Strives to improve security in the Swedish networks
- Quality assures networks for triple play
- Develop Netrounds
 - Unique cloud-based network test system

SEC

Aurorum Science Park, Luleå



Urban networks in Sweden



SEC: It all started 2005...



Torbjörn Eklöv, Interlan



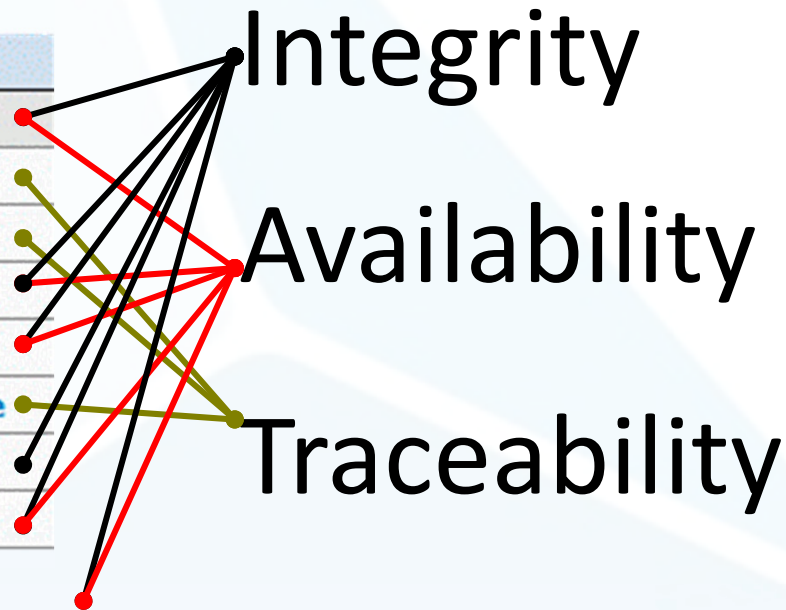
What is SEC then?

Screenshot from



Test cases

Name
✓ ARP spoofing in DHCP mode
✓ DHCP option 82 presence
✓ DHCP expiry
✗ IPv6 router advertisement
✓ Rogue DHCPv6 server
✓ IP address spoofing in DHCP mode
✗ UPnP blocking
✓ Rogue DHCP server



+ ISP support for DNSSEC

Becomes even more important...



Certified vendors

Cisco Systems

Zyxel

Alcatel Lucent

Hexatronic

ZTE

Edgecore

HP Procurve

Melbye – Connection Technology

Ericsson

Inteno

Extreme Networks

Certified networks

Sandnet

Arvidsjaur

**Lunds Energi and Ringsjö
Energi**

Nordanstig

Örnsköldsvik

Pajala

Lunet

Jokkmokk

Pite.com

Gavlenet

IPv6

- IPv6 is coming – have we learned something - what about end-user security?
- SEC for IPv6
 - SECV6 → part of RIPE 501 (Requirements For IPv6 in ICT Equipment)
- **Problem: No equipment can handle these requirements yet!**

Thanks



Marcus Jonsson

marcus.jonsson@absilion.com

+46 (0)70 – 666 27 33

www.sakerkundanslutning.se



ABSILION

your shortcut to IP services

ABSILION – developer of Netrounds

