

# Security in Enterprise Networks

A look at today and tomorrow

# The basics

- Firewalls
- Intrusion Detection Systems
- Usernames and Passwords
- Access control
  - Networks, wired and wireless
    - WPA2, 802.1x
  - Servers
  - Services

# Being a good Internet Citizen

- BCP38, if not deployed:
  - Attackers could use your network to spoof address
  - You could be used to launch DDoS
  - You could be used to amplify DNS traffic
- Output ACLs in your border
- Ingress filtering in your access network
- Check your DNSs, don't be an open resolver!!!

# The next challenges

- Attacks in the application layer
- Social engineering and targeted attacks
- Attacks to mobile devices
- BYOD (Bring your own device)
  - Protect data
  - Attacks on applications
  - Social engineering
- IPv6, DNSSEC and RPKI

**THANK YOU, QUESTIONS?**

Arturo L. Servin, [aservin@lacnic.net](mailto:aservin@lacnic.net)

