

# What we do to protect our systems



# General security audit

- Third party engagement to:
  - application penetration testing
  - source code review
  - wide network scan



# whois

- Rule-based source address rate-limiting using:
  - distinct source address
  - country of origin
  - formation of request



# SRS XML + EPP

- Cryptographically authenticated and signed
- Different permission levels per UID
- Source address ACL





# DNS

- Anycast redundancy
- Response Rate Limiting
  - Host firewall based



# Site redundancy

- Two and a half ~~men~~ sites
- Auckland, Auckland and Wellington
- Able to operate independently



# Backups, backups, backups

- Backups don't matter at all
- It's not a backup until you've **proven you can restore it**
- What we do:
  - back up tapes off-site weekly
  - Restoration test every three months



# Your Team

- Everybody has to make security a priority
- Your customers
- Your boss



# Thanks. Questions?

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- PGP Key ID: 0xBBE1CE9BCCB16995
- Key Fingerprint: 6731 A216 B2BF CD20 8B74 473F BBE1 CE9B CCB1 6995

