

# Technical Area Priorities and Highlights

APNIC 27

Manila, Philippines

Byron Ellacott

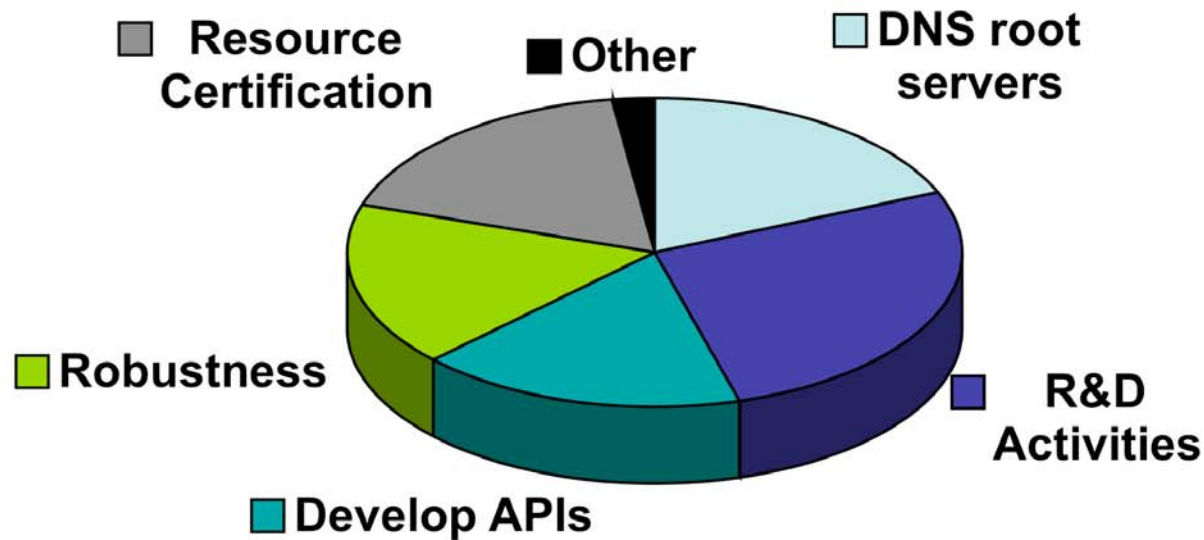


# Technical Area

- Software
  - MyAPNIC username & password
- Research & Development
  - Resource Certification
- Infrastructure Services
  - IPv6 connectivity

# Responding to Priorities

- Technical priorities from 2007 survey



# Resource Certification

- First functional RPKI system worldwide
- MyAPNIC tools to create:
  - Route origin authorizations (ROAs)
    - Certify your authorization for an Autonomous System to originate routes for your resources
  - Adjacency attestation objects (AAOs)
    - Certify that one of your Autonomous Systems is adjacent to other Autonomous Systems
- In 2009, adding verification tools



# Research & Development

- IETF Standards work
  - ASPLAIN, SIDR
- IPv6 and IPv4 measurements
- Collaboration with:
  - RIPE NCC on TTM in Asia Pacific
  - CAIDA on “Day in the Life”
  - CISCO on LISP

# Infrastructure Services

- Network reliability
  - Dual-link services
  - Network optimization
- IPv6 connectivity
  - DNS, mail, web
  - MTU change
  - Peering and tunnels
- Improved CA processes in 2009

# Priorities in 2009

- High availability of services
- Disaster recovery plan
- Member certification improvements

