

# RIPE NCC DNS Update

---

Anand Buddhdev  
RIPE NCC



# The GII Team

---



# Our Services

---

- DNS (K-root, authoritative DNS, secondary DNS, ENUM, AS112)
- DNSMON
- Routing information service (RIS)
- RIPE Atlas anchors
- RIPE Atlas back-ends

# K-root

---

- Service stable with 17 instances
- Major OS upgrade in progress
  - Better configuration management and deployment with Ansible
- Some sites undergoing hardware replacement
- No expansion for the time being
- Expansion is planned for 2015
  - Watch for announcements in 2014

# Authoritative DNS Instances



# Authoritative DNS

---

- Improvements to provisioning system
  - Multi-master
  - Resiliency against hardware or software failure
- Third instance by the end of 2013

# ccTLD Secondary DNS

---

- 71 ccTLDs (26 in RIPE NCC service region)
- 240 zones
  - Second-level domains
  - Internationalized domain names
- Best-effort – no service-level agreements
- We prefer an open and transparent approach
  - Who qualifies for this RIPE NCC service?
  - What criteria should the RIPE NCC apply when offering or rejecting this service to a ccTLD?

# ENUM (e164.arpa)

---

- 52 delegations (no change since RIPE 66)
- 6 secure delegations

# DNSMON

---

- Atlas-based interface in development
  - Measurements from RIPE Atlas anchors and probes
  - Testing in Q4 2013
  - Release in Q1 2014
- TTM-based DNSMON deprecation
  - Will be unsupported after 2013
- Raw data from RIPE Atlas
  - Adapt your scripts

# Questions?

