Technical Operation Area Report

AfriNIC-9

Mauritius, 28th November 2008
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Spearheading Internet technology and policy development in the
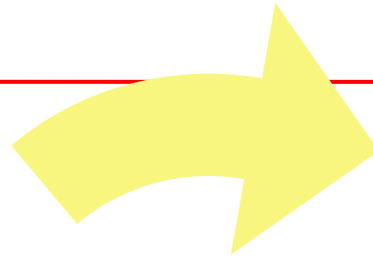
What we do

The TOA

Infrastructure

Database+Soft

Support

Services

Registration Services

- ■ - IP allocations and assignments
  - 41/8, 196/8, 197/8
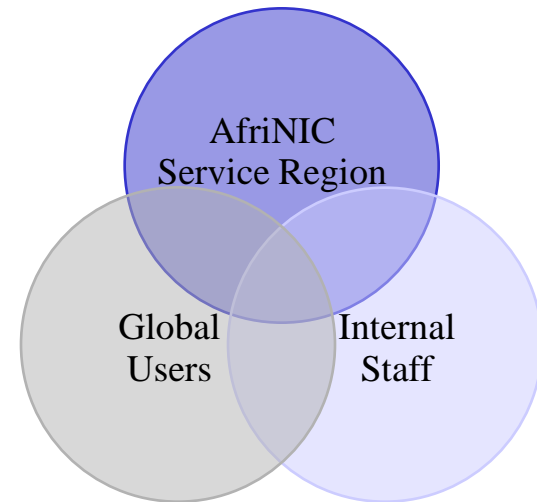 - 2001:4200::/23, 2C00:0000::/12

- ■ - ASN Assignments
  - AS32768 - AS33791
  - AS36864 - AS37887
  - AS327680 – AS328703(AS5.1- AS5.1023)
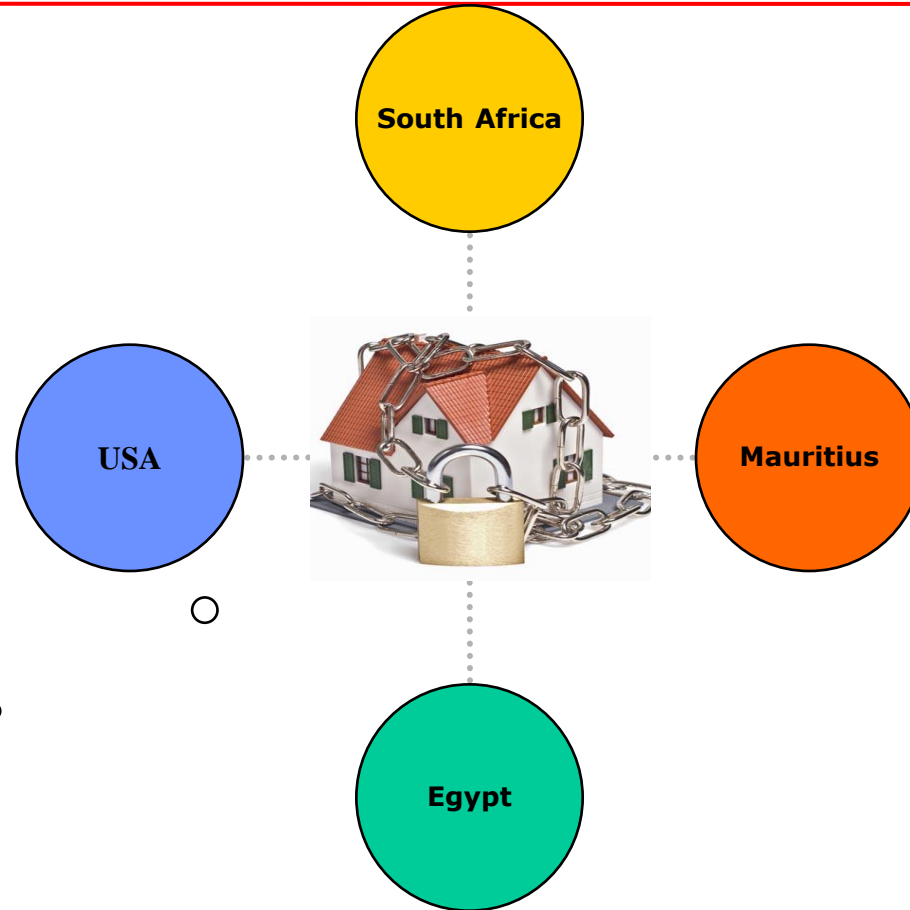
- ■ - RDNS
- ■ - Stats
- ■ - Helpdesk

Services

- AIRRS
- DNS
- eGroupware
- Email
- FTP
- Mailing Lists
- Meeting Registration
- MyAfriNIC
- Support Ticketing
- Website
- Whois
- VOIP
- IRR

AfriNIC Service Region

Global Users

Internal Staff

Infrastructure

South Africa

USA

Mauritius

Egypt

Database and software

o Databases Maintenance and Enhancement

o New Service Development

- MyAfriNIC Membership Portal

- Meeting Registration

o Core Service Enhancement

- Whois Server

- Reverse DNS Zone Update & Publishing

- Graphical Statistics

o Member + Staff Tools

- Delegation Checker

- Resource Registration Calculators

o Third-party Software Install and Customization

Support

- o Help Documentation
- o Whois
- o Software Changes/Bug Fixes
- o Systems
  - User Administration
  - Server, Service and Network Monitoring
  - Security Auditing
- o Technical Setups
  - AfriNIC Meeting
  - Staff Conferences
- o Other Issues

Global Participation

o AfriNIC Mailing Lists

o Engineering Coordination Group (ECG) of Number Resource organization (NRO)

- Undertake yearly joint activities with other RIRs
- meet once–a–month via teleconference/meeting
- Chair rotates between each RIR

o IETF

- Participate in standards development
- Implement relevant RFC standards

o AfNOG/NANOG/RIPE

Activities report

Activities Update(1)

- Registration services update given by RSM

- Myafrinic portal maintenance and improvement

  - Bugs and new features

- Internet Routing Registry

  - Internal testings ongoing

  - Community testings to follow

  - Deployment plan

Activities Update(2)

- % Information related to '2001:4310:0810::/44AS5.1'

route6:   2001:4310:0810::/44

descr: TEST 6

origin: AS5.1

holes: 2001:4310:0815:8000::/49, 2001:4310:081e:8000::/49

aggr-mtd: outbound AS-ANY

inject: at 1.1.1.1 action dpa = 100;

inject: at 1.1.1.2 action dpa = 110;

aggr-bndry: AS1 or AS2 or AS3

export-comps: {003c:0000:2600::/48}

mnt-lower: ERNEST-MMM

mnt-by: ERNEST-MMM
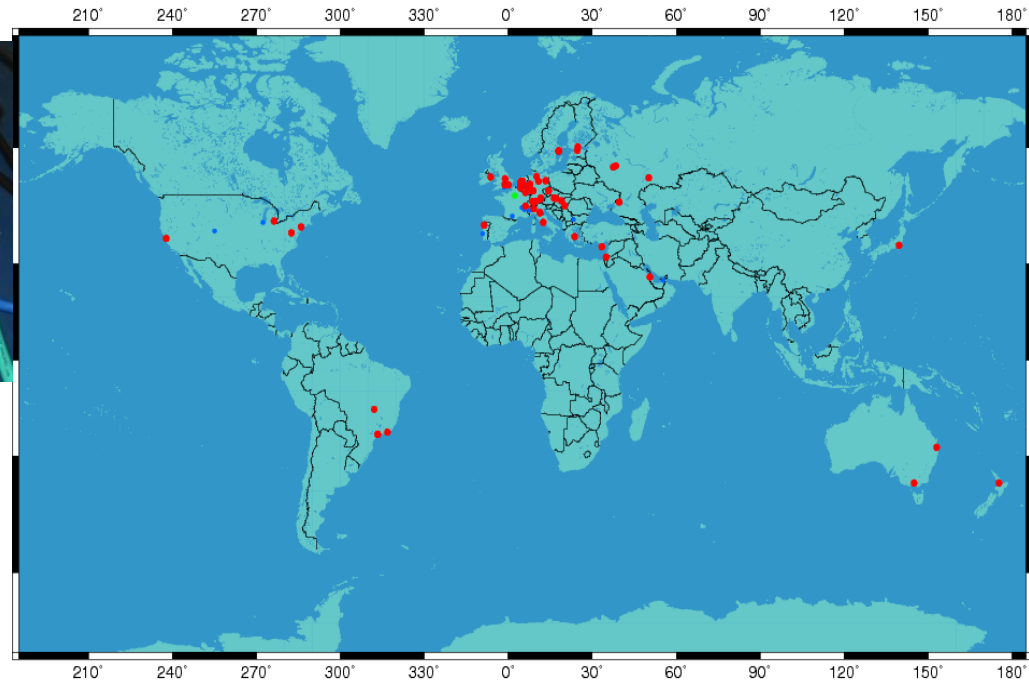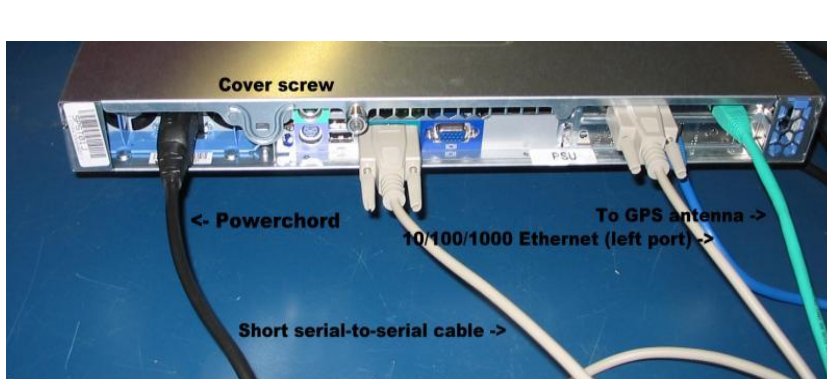
changed: rr@hu.ki 20081128

source: TEST

Activities Update(3)

- Infrastructure maintenance and improvement

  ◦ New services

  ◦ Performance

  ◦ Security

  ◦ Policies

- IPv6 Rollout

  ◦ Concluding testings

  ◦ Production deployment to start

Activities Update(4)

RIPE NCC Test traffic Measurements
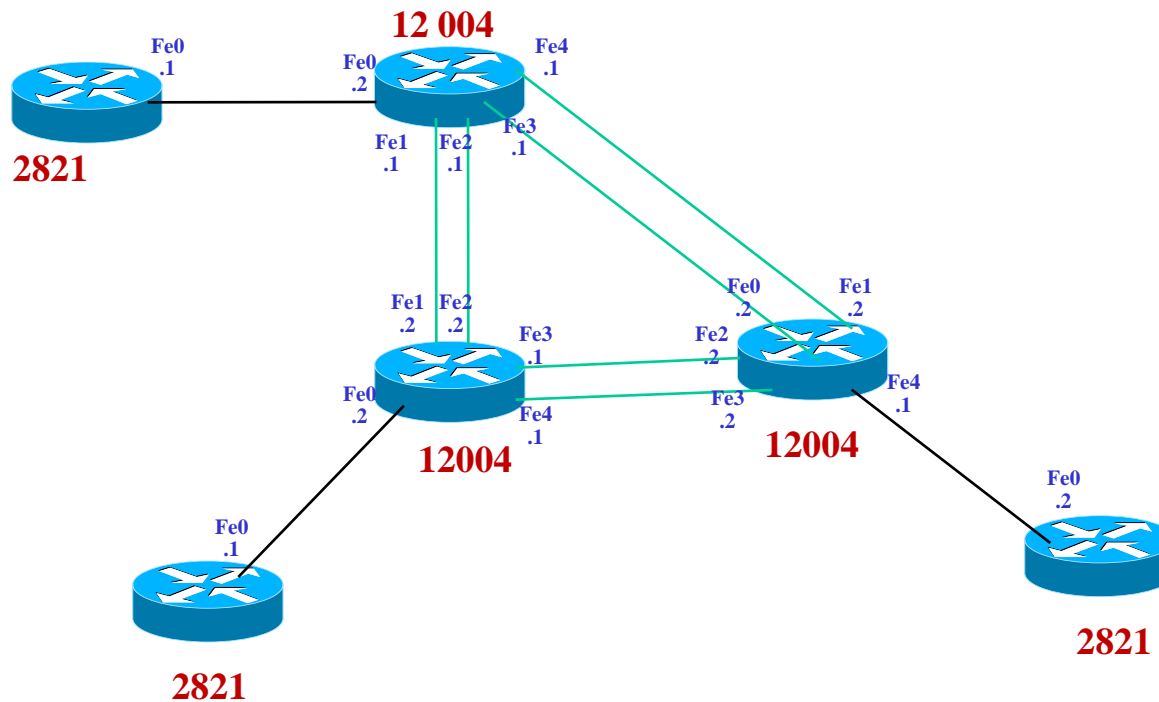
◦ Hosting a box under AS2905 in johannesburg

Activities Update(5)

- Virtual lab
  - 6deploy activity
  - 1st in AfriNIC service region
  - 3 core routers and 3 edge routers
  - v6/v4
  - For training and experiments
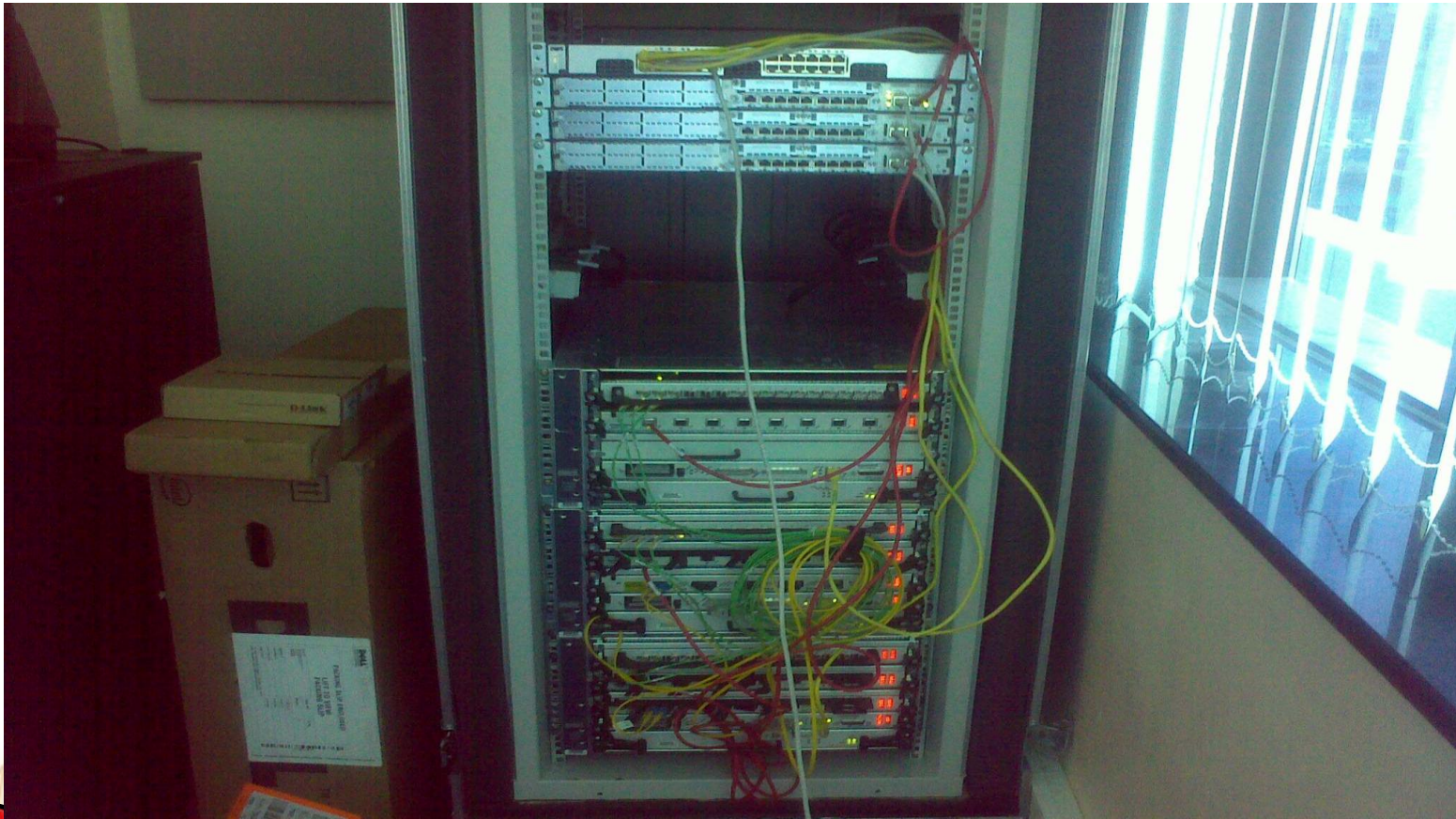 - A reservation system to handle the utilization

Activities Update(6)

- Virtual lab: Test network

Activities Update(7)

The virtual Lab(seen physically)

Activities Update(8)

▶ Training

- TOA team gives training

- LIR/IPv6

- IPv6-v1, IPv6-v2

- English and French

- 12+1 sessions in 2008

Thank you for attention