

Deployment of Root-Servers in Kenya

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Anycast Root Copy Deployment Workshop

Cairo, Egypt

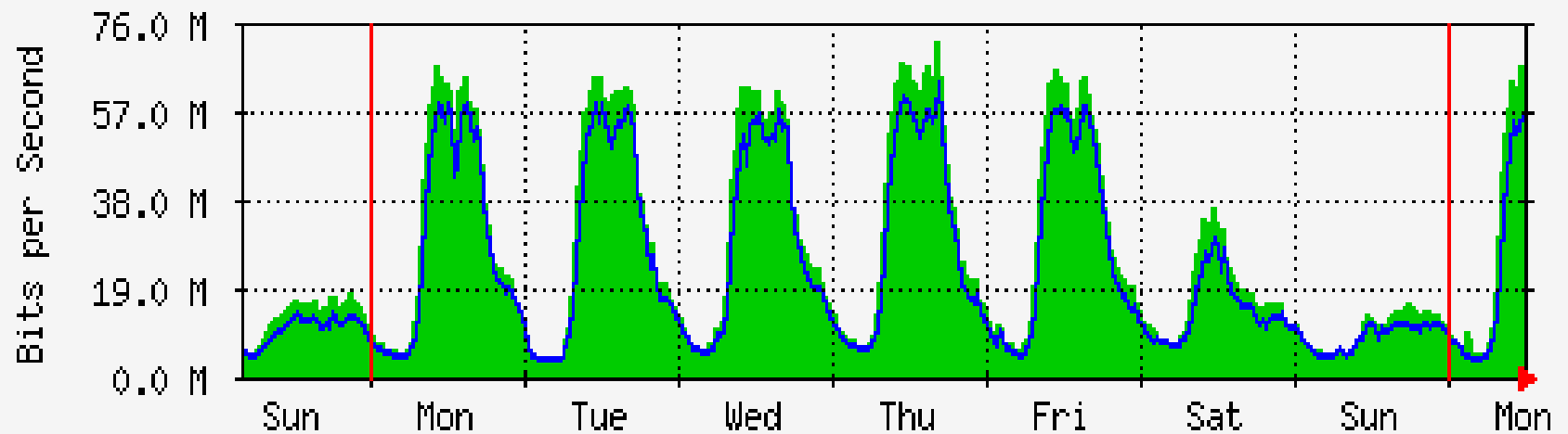
mwangi@isoc.org



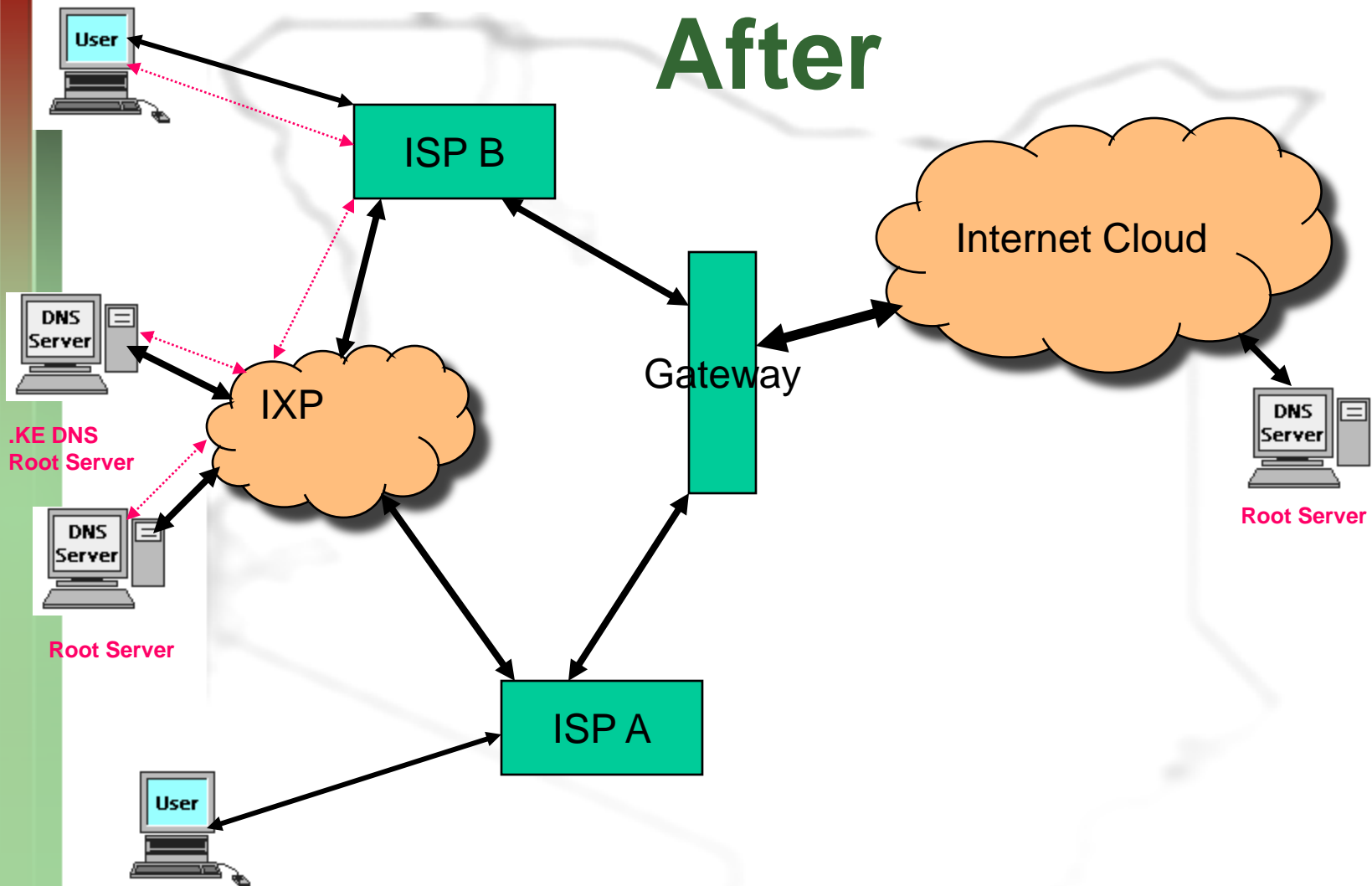
The Scene

- The Kenyan Internet Exchange Point was established in 2001
- At start there were 6 active members at the IXP
- In 2004 despite being in a liberal telecoms environment many ISPs were still single homed
- There were 15 IXP members peering
- The Kenyan ccTLD .KE was amongst the members
- DNS outages were a common feature for most ISPs despite availability of ccTLD nameservers

Aggregate Stats



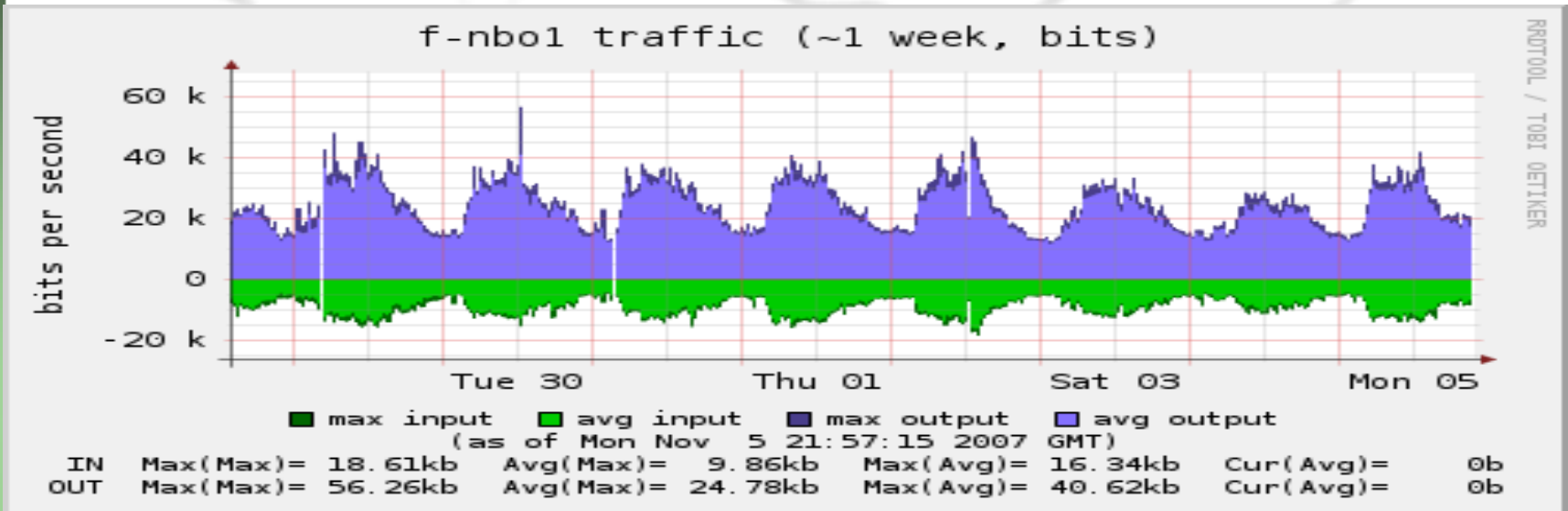
After



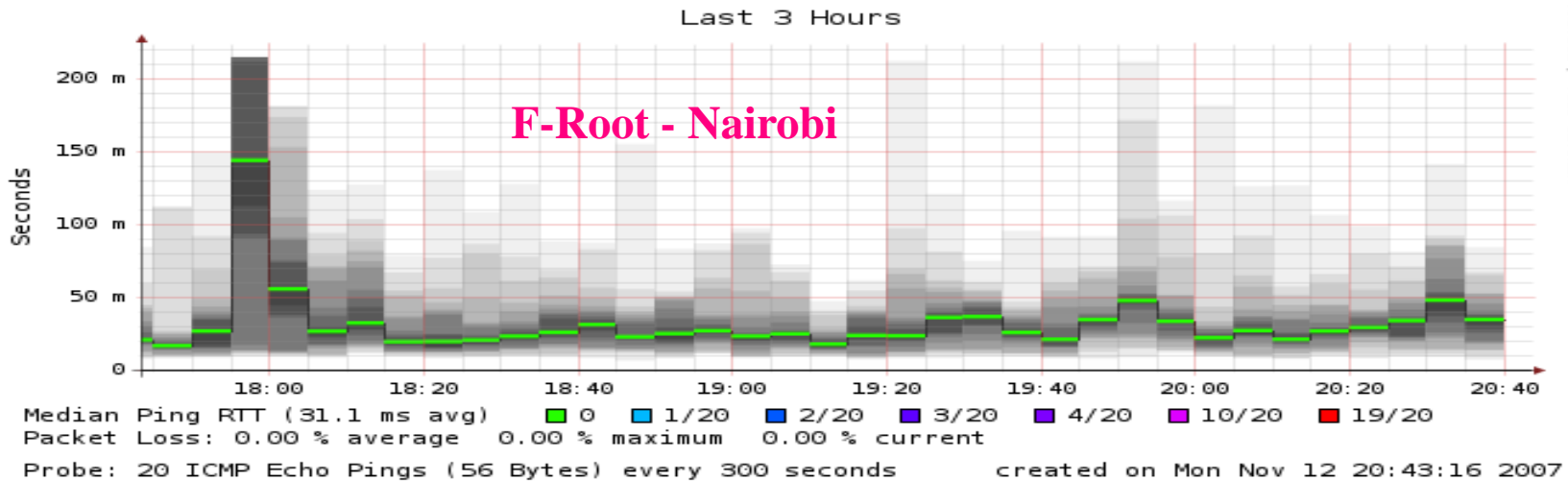
Impact

- **Autonomy** on local resolution
- Improved **end-user experience**
- Improved **local resilience** against large scale DNS incidents
- A more stable local infrastructure catalyzes product **innovation and local content** development

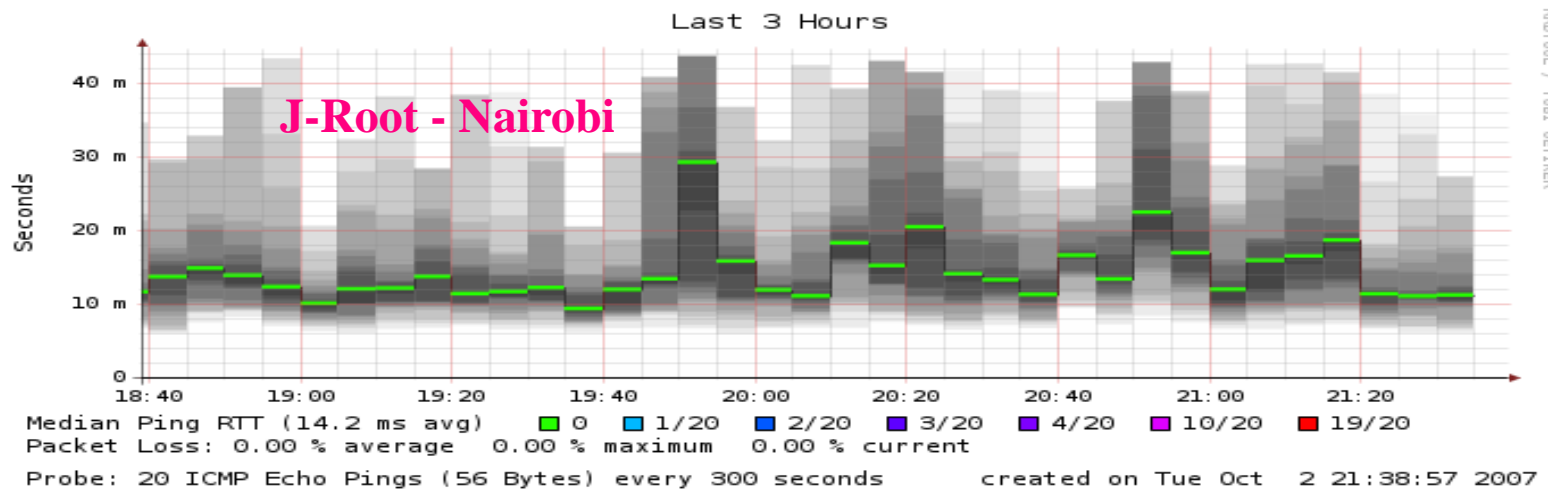
F-Root Stats



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Some Requirements

- Must be willing to provide remote hands
- 24/7 contact – both email and phone
- Power backup
- Transit for the remote management – Free transit is ideal
- Adequate Physical Security
- Local mailing list for the operators –
- Sufficient Rack Space

Thank you!

