



DNS Programmes at AfrINIC

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As part of our mission to **support Internet technology usage and development**, AfriNIC operate three distinct and separate DNS programmes. These are all for the benefit of the Internet community and are made available at zero cost.



- African Root Server Copy (AFRSCP)
- AfriNIC supported RFC5855 servers
- African DNS Support Programme (AFDSP)



AFRSCP

- The AfRSCP aims to support local Internet communities by facilitating Root Server Copies within local communities.
- Historically limited to areas that had active IXPs; recent developments have changed that!



AFRSCP



October 2012 -
Agreement
signed with
ICANN to help
expand L-root
into Africa



AFRSCP

- L-Root installed in Cote d' Ivoire
- Installations in progress in Mauritius and Libya
- Accepting new applicants ;-)

email: root-project@afritic.net

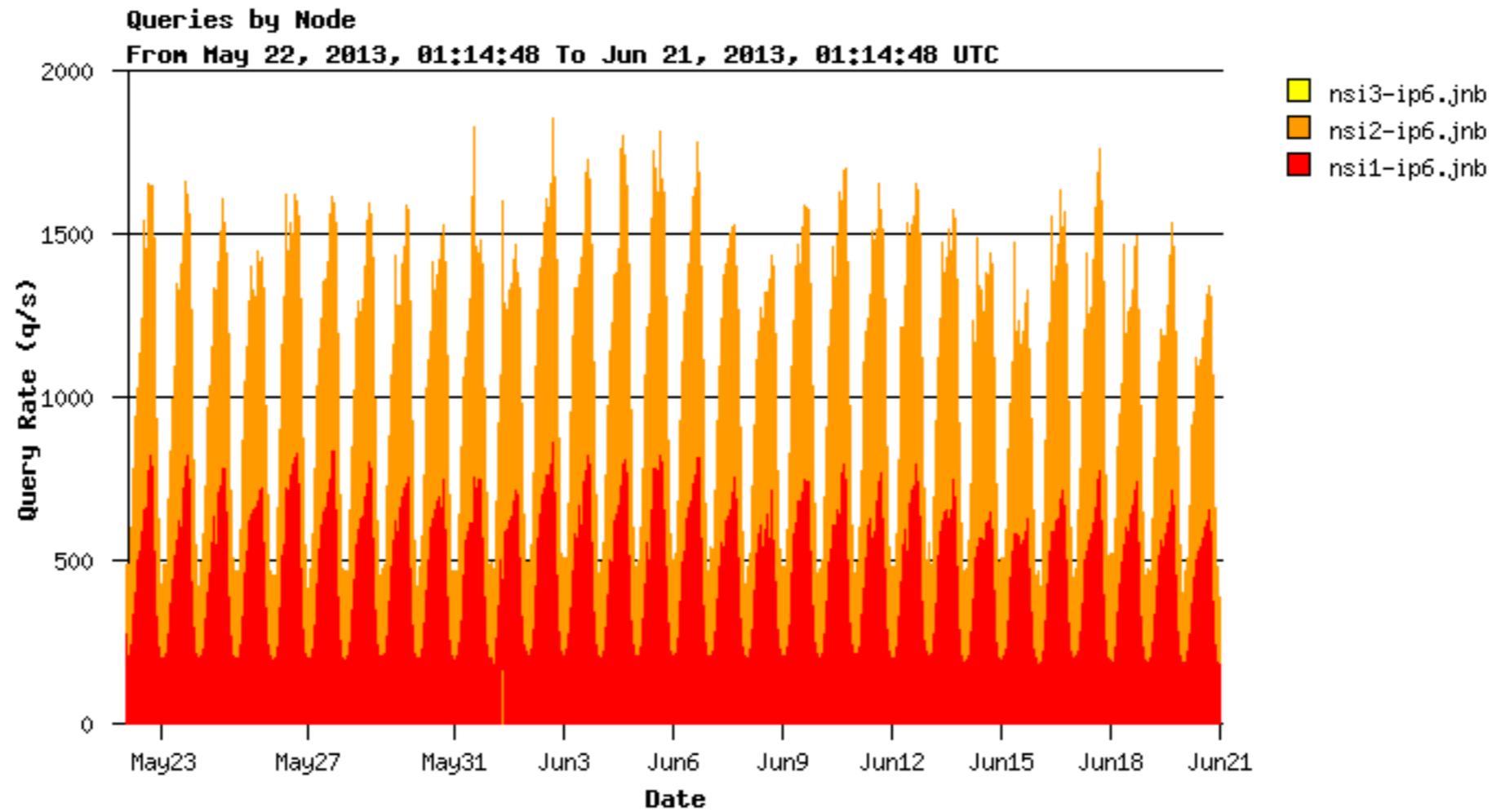


RFC 5855

- RFC5855 describes stable naming scheme for the nameservers that serve the IN-ADDR.ARPA and IP6.ARPA zones.
- AfriNIC supports the Internet community by managing the “c” servers
 - Dec 1, 2010 - ip6.arpa
 - Feb 17, 2011 - in-addr.arpa



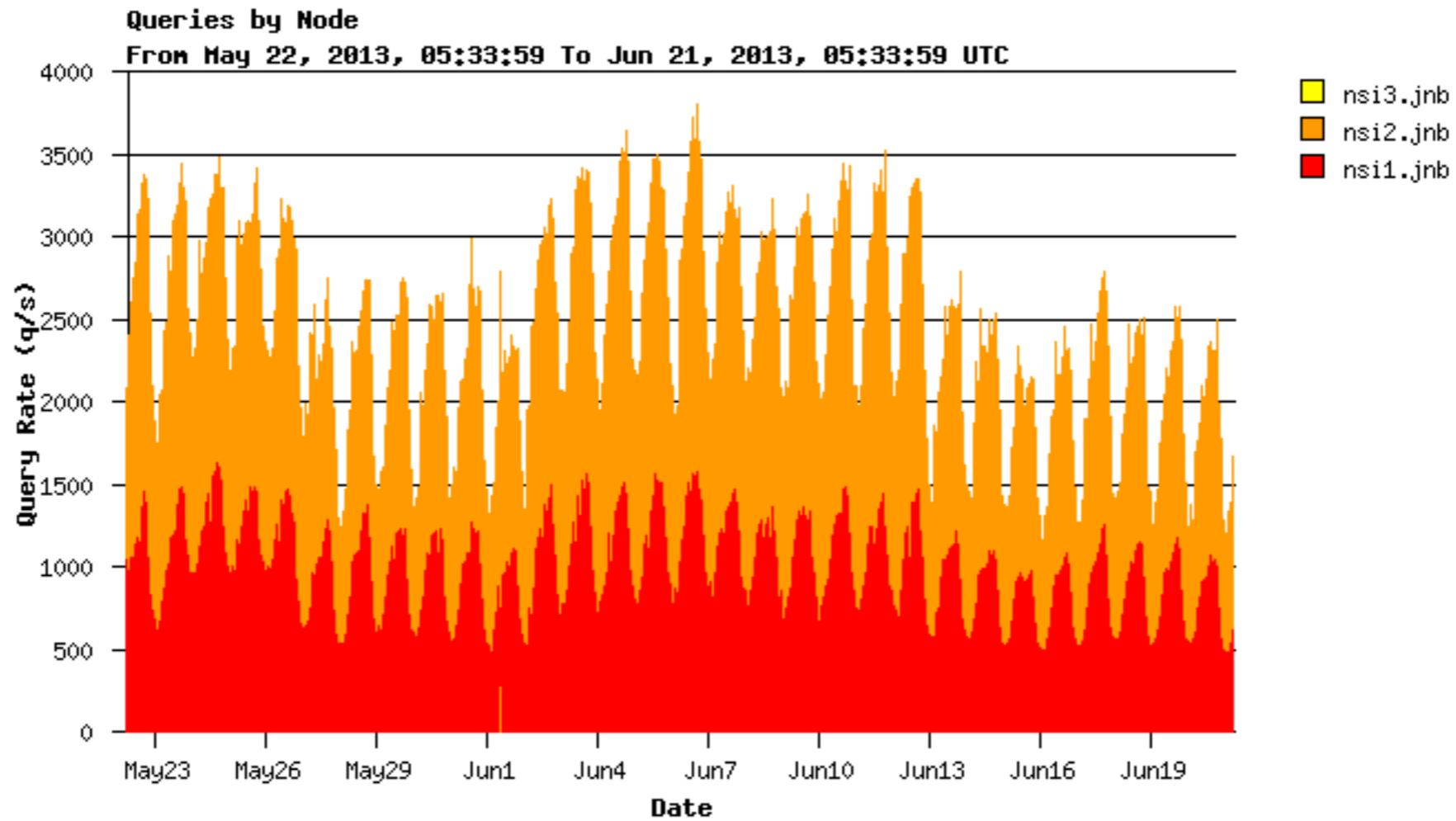
ip6.arpa



nsi3-ip6.jnb
nsi2-ip6.jnb
nsi1-ip6.jnb



in-addr.arpa



AfDSP

- To support the ongoing projects that we're running, AfriNIC is building its own mini-cloud environment.
- As a natural architectural and design consequence, we have “spare capacity” available in parts of this infrastructure...



AfDSP

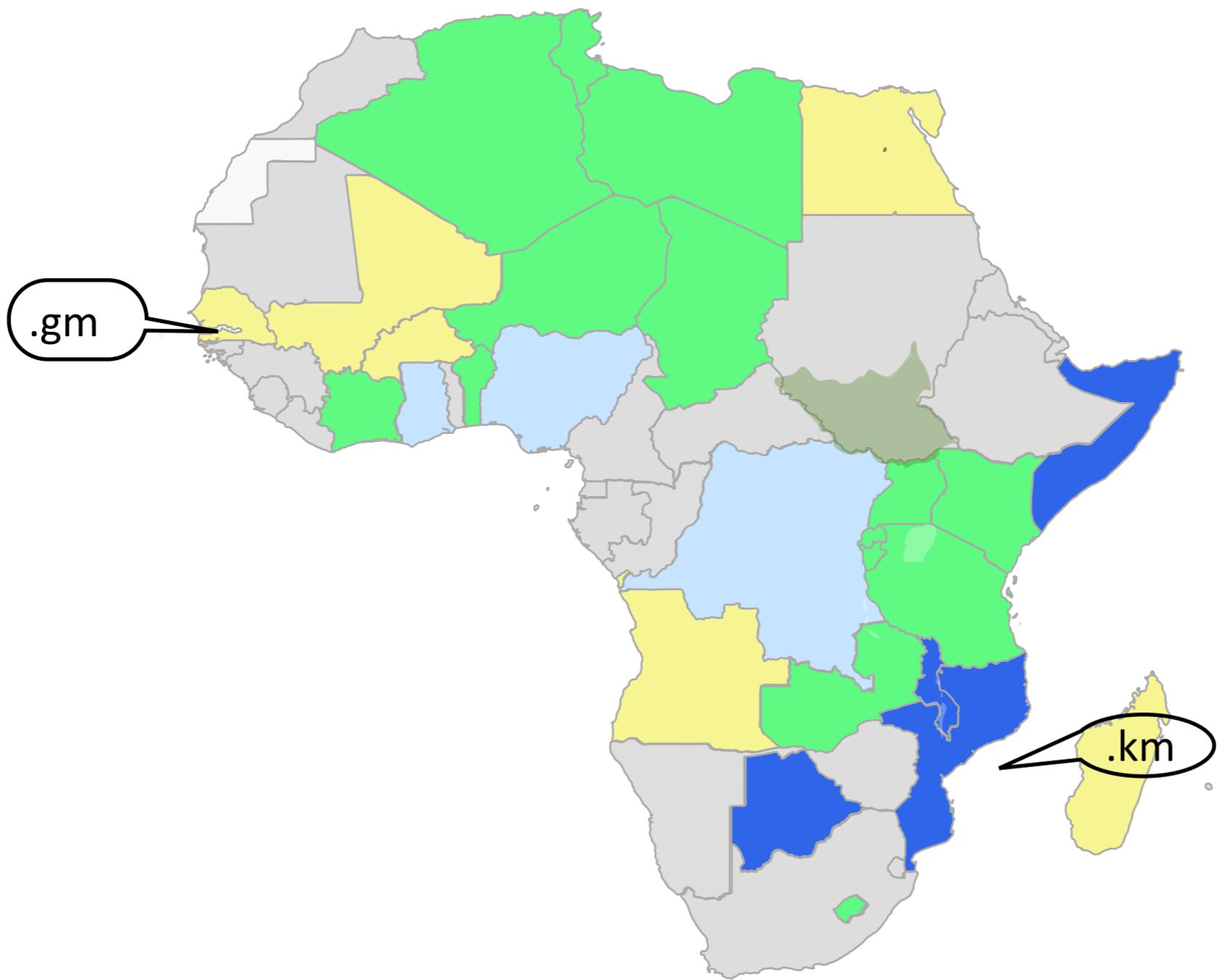
- The DNS Support program is available to holders of Critical Internet Resources, and ccTLDs, to help bolster their infrastructure.
- We will provide **free** secondary/slave DNS services across our infrastructure (or, if requested a subset of it)



AfDSP

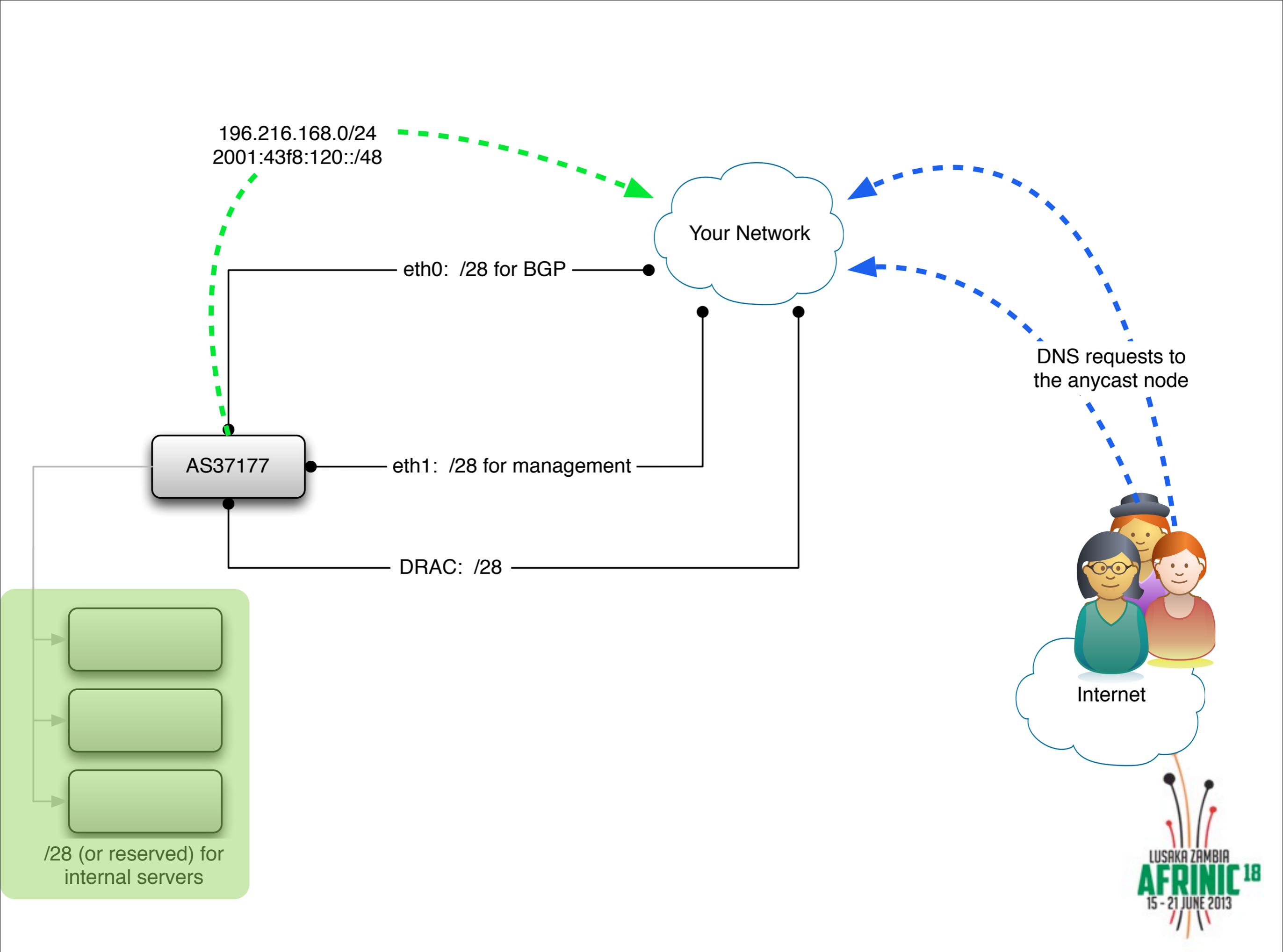
- This is an African solution - AfriNIC's cloud is built by, lives, and is managed and maintained in Africa.
- Currently supporting 16 ccTLDs, and are in advanced stages of setup with another 4.
- Signup page on website.





- Diverse, redundant nodes in JNB and CPT.
- Upcoming installation in Tunisia
- Actively soliciting partners





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