Afrinic Updates for an Improved Engagement with REN’s

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AGENDA

- Introduction
- AFRINIC Updates
- Engagement with REN’s
- WHY & HOW on Getting own IP space
- Q&A
Introduction

- 3 types of resources for the Internet
  1. IP addresses - 196.216.2.6
  2. Autonomous System Numbers (ASN) - AS33764
  3. Domain Names (www.afrinic.net)

- All 3 resources are inter-connected
Introduction

- IP addresses and ASN’s are managed by 5 Regional Internet Registries (RIRs).
- AFRINIC is the RIR for AFRICA.
Introduction

Services

✧ WHOIS service - Registry for Internet numbers - whois.afrinic.net

✧ Reverse DNS delegation

✧ Routing Registry

✧ DNSSEC

✧ RPKI

✧ Atlas probes

✧ Trainings (IPv6, Routing Registry, Internet Numbers Resource Management)

✧ Contact hostmaster@afrinic.net for support
Introduction

Services - AFRINIC Routing Registry

- Introduced in 2015
- Free for AFRINIC members
- Ease of maintenance – Contains all objects in one place and use same maintainers as your WHOIS database objects
- Secure and authoritative for your IP resources
- Possible to maintain a mirrored copy
- Contact irr@afrinic.net for support
AFRINIC Updates

IPv4 Resources

- All RIR’s have exhausted their space.
- Currently we are in the softlanding stage phase 1
- In 2017, 6,912,000 IPv4 addresses issued to members
- Currently AFRINIC is remain with over 12 million IPv4 addresses before reaching depletion.
- Resource Statistics are available here: https://afrinic.net/en/services/statistics
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IPv4 Resources

IPv4 Statistics
Statistics: Pool Trend

Free Addresses

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IPv6 Resources Uptake

IPv6 Addresses (/32s)

Click and drag in the plot area to zoom in
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IPv6 Resources Deployment

- 12 Institutions from the UbuntuNet Region have IPv6 prefixes
- UbuntuNet, KENET, RENU, SUDREN, TENET
- Aga Khan University, Uni. Cape Town, Uni. Of Botswana, Uni. Of Free State,
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Policies

- Guidelines by which AFRINIC Ltd manages IP resources
- Developed by the AFRINIC Community
- Developed through the Policy Development Process (PDP)
- PDP is a bottom up, transparent and open process
- Next AFRINIC public policy meeting in Lagos, Nigeria from the 27th November to 2nd December 2017
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Resource Policies

- 23 Active Policies consolidated in one policy document.
- 6 Policies under discussions
- 1 Policy undergoing implementation
- Participation in policy discussions is greatly required
Engagement with REN Community

- Over 90 Universities
- 3 regional REN’s
- 26 National REN’s
- 16 Members of UbuntuNet
- Over IPv4 /11 assigned/allocated to the region
Engagement with REN Community

- AFRINIC offers 50% discount on its fees to NON-PROFIT making academic institutions

- AFRINIC fees schedule can be accessed here: http://bit.ly/2Ilso3r
Why Get Own IP’s from AFRINIC

- Assume independent identity on the Internet.
- Reduced impact of blacklisting and filtering due to spam.
- Eliminate upstream service provider lock-in and avoid renumbering your internal subnets.
- Ability to connect to more than one upstream (multi-home) or IXP’s (redundancy, load balancing or traffic localisation).
- Better planning and management of your IP requirements
- Attain scalability, resilience and stability
How to Become a Member

- Must be legally incorporated
- Evidence of upstream connectivity
- IP addressing plan
- Sign RSA (Binding contract with AFRINIC)
- Go to [https://nmrp.afrinic.net/](https://nmrp.afrinic.net/)
- Universities are encouraged to get own IP’s
How to Request Additional IP’s

❖ At least 90% usage on previous allocations
❖ No outstanding bills on account
❖ Log in to my.afrinic.net
❖ Go to Resources -> IPv4 Resources
❖ Select “Request New Assignment”
❖ IP addressing plan
Contacts Update

- Ensure the WHOIS database integrity

- Update Person information here: https://my.afrinic.net/account/myinfo/

- Reset forgotten password here: https://my.afrinic.net/forgotpassword

- To update organisation information, contact our customer services at service-support@afrinic.net
AFRINIC public mailing lists

- Announcements (announce@afrinic.net)
- Policy Discussions (rpd@afrinic.net)
- IPv6 in Africa (afripv6-discuss@afrinic.net)
- AfrICANN (africann@afrinic.net)
- Member discussion (members-discuss@afrinic.net)

http://www.afrinic.net/en/community/email-a-mailing-lists
Thank You for Your Attention.

Questions?