AFRINIC
The Internet Numbers Registry for Africa

AFRINIC Update

RIPE79
Rotterdam, The Netherlands

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AFRINIC Number Resources Transfer Policy

– Version 2 (22 Sep 2019)

– Provides for Inter-RIR (and Intra-RIR) transfer of IPv4 and ASN resources

– Only legacy IPv4/ASN resources can be transferred outward

– All IPv4/ASN resource types can be transferred inward

– To be 1st discussed at AFRINIC31 (Dec 2019)

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IPv4 Inter-RIR Legacy Resource Transfers

- Version 1 (13 May 2019)
- Provides for the Inter-RIR transfer of IPv4 resources
- Only legacy IPv4 resources can be transferred outward
- All IPv4 resource types can be transferred inward
- First discussed at AFRINIC30, next at AFRINIC31(Dec 2019).

IPv4 Inter-RIR Resource Transfers (Comprehensive Scope)

- Version 1 (14 May 2019)
- Provides for bi-directional Inter-RIR transfers of IPv4 resources .
- First discussed at AFRINIC30, next at AFRINIC31(Dec 2019).

Provisions for Resource Hijacking

- – Version 1 (17 May 2019)

- – Proposal aims to clarify that hijacking of resources is a violation of policy.

- – First discussed at AFRINIC30, next at AFRINIC31(Dec 2019).

Policy Development Process – bis

- Version 5 (09 June 2019)

- Complete review of the PDP.

- Proposal lifecycle made of up of distinct phases

- v5 last discussed at AFRINIC30, next at AFRINIC31(Dec 2019).

Abuse contact policy update

– Version 3 (05 June 2019)

– Introduces the abuse-c into resource objects that are directly issued by AFRINIC - (pointing to an email address)

– Meant to co-exist as an "alias" with current IRT object.

– Provides a process for auto-validation

– Last discussed at AFRINIC30, next at AFRINIC31(Dec 2019).

Number Resources Review

– Version 8 (07 June 2019)

– Provides for AFRINIC to conduct regular reviews (audits) for utilization of issued number resources.

– Audits can be random, requested by a member or through a whistle-blower.

– Last discussed at AFRINIC30, next at AFRINIC31(Dec 2019).

Multi-homing not required for ASN Requests

– Version 2 (11 April 2019)

– Removes the need to be multi-homed as a requirement for getting an ASN.

– Last discussed at AFRINIC30, next at AFRINIC31(Dec 2019).

IPv6 PI Clarification

- Proposal corrects an error in the current IPv6 PI assignment policy, which states *"The 'end-site' must show a plan to use and announce the IPv6 PI space within twelve (12) months"*

- There are some cases where IPv6 PI space would not be announced, such as IXP LAN peering space and private networks not connected to the Internet.

Soft Landing (SL) Update

– The IPv4 Soft Landing policy reserves a /12 (from the last /8) for unforeseen circumstances.

– What to do with this /12 was a matter (and discretion) of the AFRINIC Board.

– This policy instead makes this a matter of the community, who will decide what to do with the /12 - through the PDP.

Clarification on IPv6 sub-assignments

– The policy applies explicit restriction on the use of IPv6 PI space by the holder.

– The v6 PI space can only be used in the PI assignment holder's network, by third party devices operating within that network and for interconnections

– The v6 PI space cannot be used to offer services to third parties (such as customers of an ISP).

- Launched an e-learning portal in June 2019: https://elearning.afrinic.net/

- IPv6 deployment webinars: Counting 11 webinars (for 2019) in English and French, average attendance at 65 participants.

- IPv6 certi::6 program: 33 exams delivered.

- IPv6 deployment helpdesk – 99 requests received, 52 conference calls done.

- IPv6 "deployathon" (4 day in-person workshop to engineers for operationalizing IPv6 in their networks): 4 so far - Kenya, South Africa, Nigeria, Malawi.

  – 45 Organizations involved

  – 9 advertised their IPv6 prefixes

  – 6 networks with live traffic.

  – Upcoming "deployathon" in Lagos (Nigeria) - ngNOG (28 Oct - 1st Nov 2019)

- IPv4 Update:
  - Approaching Phase 2 of soft landing (max issuance size will be /22 – but can be requested several times upon 90% usage)
  - Phase 2 starts when total left is equivalent to /11
  - Current inventory : about 1.85 million IPv4 addresses left to hit phase 2
  - At current consumption rates, phase 2 could be reached by year end.

Other Updates

https://meeting.afrinic.net/afrinic-31

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