

AFRINIC 34 ONLINE

9:00 - 13:00 UTC 15-18th NOVEMBER 2021

Name of Presenter

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Policy Implementation Experiment Report





Objective

Provide feedback to the members and community regarding:

1. Recently implemented Policies
2. Experiences faced by hostmasters while handling requests governed by currently implemented policies



Recently Implemented Policy

Lame Delegation

- Full implementation
- 4 notifications sent to registered contacts
- Remark added in domain object at day 11
- Removal of lame nameservers after 30 days

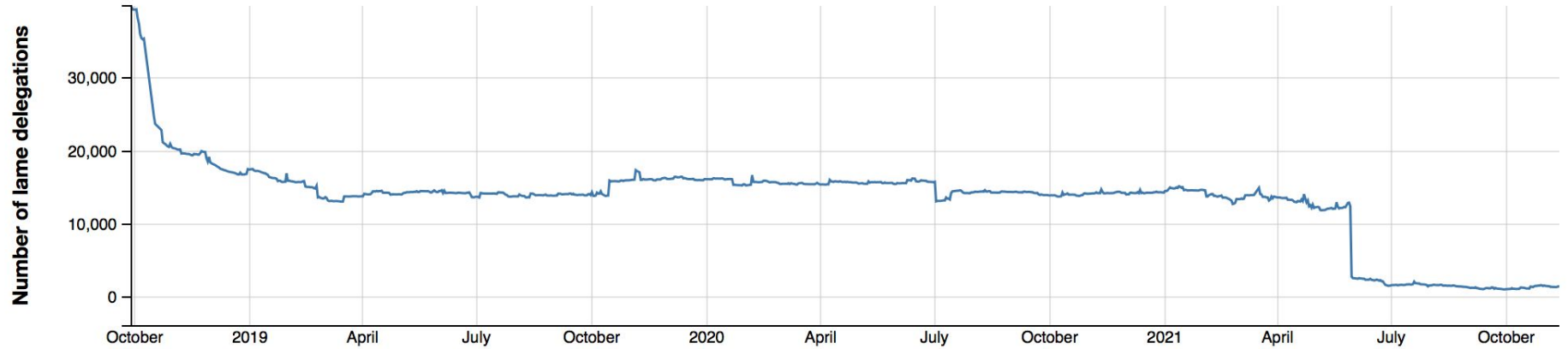
More information at <https://afrinic.net/20210428-lame-dns-delegation-policy>

Lame Tool >> <https://afrinic.net/whois/lame>

Recently Implemented Policy



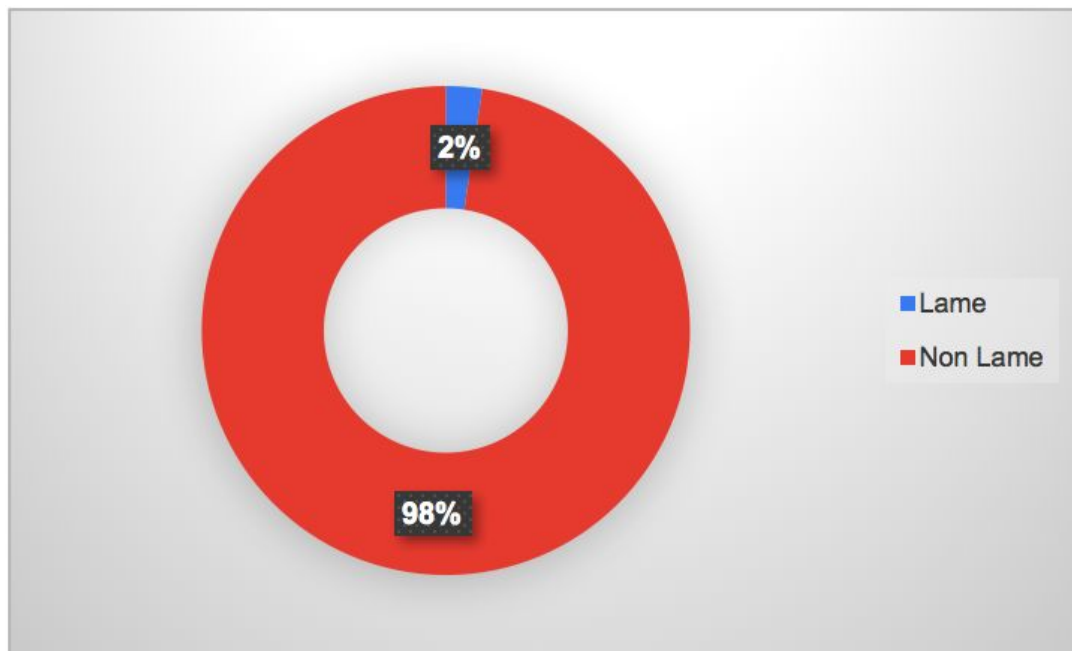
Lame delegation over the years





Recently Implemented Policies

Percentage of resource members with lame delegations





Experiences faced by hostmasters

Section 6.8.2 from the CPM - IPv6 assignments

Challenges:

- IPv6 prefixes which are not announced after 12 months of issuance are considered non-compliant
- Should be reclaimed after 3 notifications
- Reclamation exercise not yet started
 - Automated mechanism in development phase

Experiences faced by hostmasters



Anycast Assignments

Section 12 from the Consolidated Policy Manual
(<https://www.afrinic.net/policy/manual#Anycast>)

12.2.1 An organization may obtain one (1) /24 IPv4 and/or one (1) /48 IPv6 prefix for anycast or GRX purposes from an allocation or an AFRINIC issued direct end-user assignment.

An AS Number should also be issued for the same purposes if requested. These resources must be used for the sole purpose of providing anycast services. These IPv4/IPv6 prefixes will count as being fully utilised when an organization applies for additional resources. The utilization criteria that apply to all IPv4 and IPv6 initial allocation or assignment requests shall be waived for anycast assignment requests.

Experiences faced by hostmasters



Anycast Assignments

Challenges:

- Current CPM text is not consistent with the final version 4 of the policy that was ratified
- Text refers to version 2 of the proposal;
 - Missing references such as *BCP126*, *BCP169*, or *their respective successors*
- Implementation was not aligned with the final interpretation by PDWG



Experiences faced by hostmasters

Anycast Assignments

- The implementation allowed assignment of only one /24 IPv4, one /48 IPv6 prefix and one ASN for anycast purposes.
- PDWG interpretation of version 4 did not enforce a limit.



Experiences faced by hostmasters

Assigned Anycast Assignments

AFRINIC - Actions to be taken:

- CPM to be updated with appropriate text.
- Update list of pre-CPM policies to reflect version 4
- Publish interpretation of Assigned Anycast policy on AFRINIC website
- Evaluate multiple requests for anycast purposes
 - Implement mechanism to check against abuse

Thank you
for your
attention!



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AFRINIC-34 Website:

<https://meeting.afrinic.net/afrinic-34>

Contact us: meeting@afrinic.net

ORGANISER

