

Getting IPv6 address space from AFRINIC



AFRINIC 16

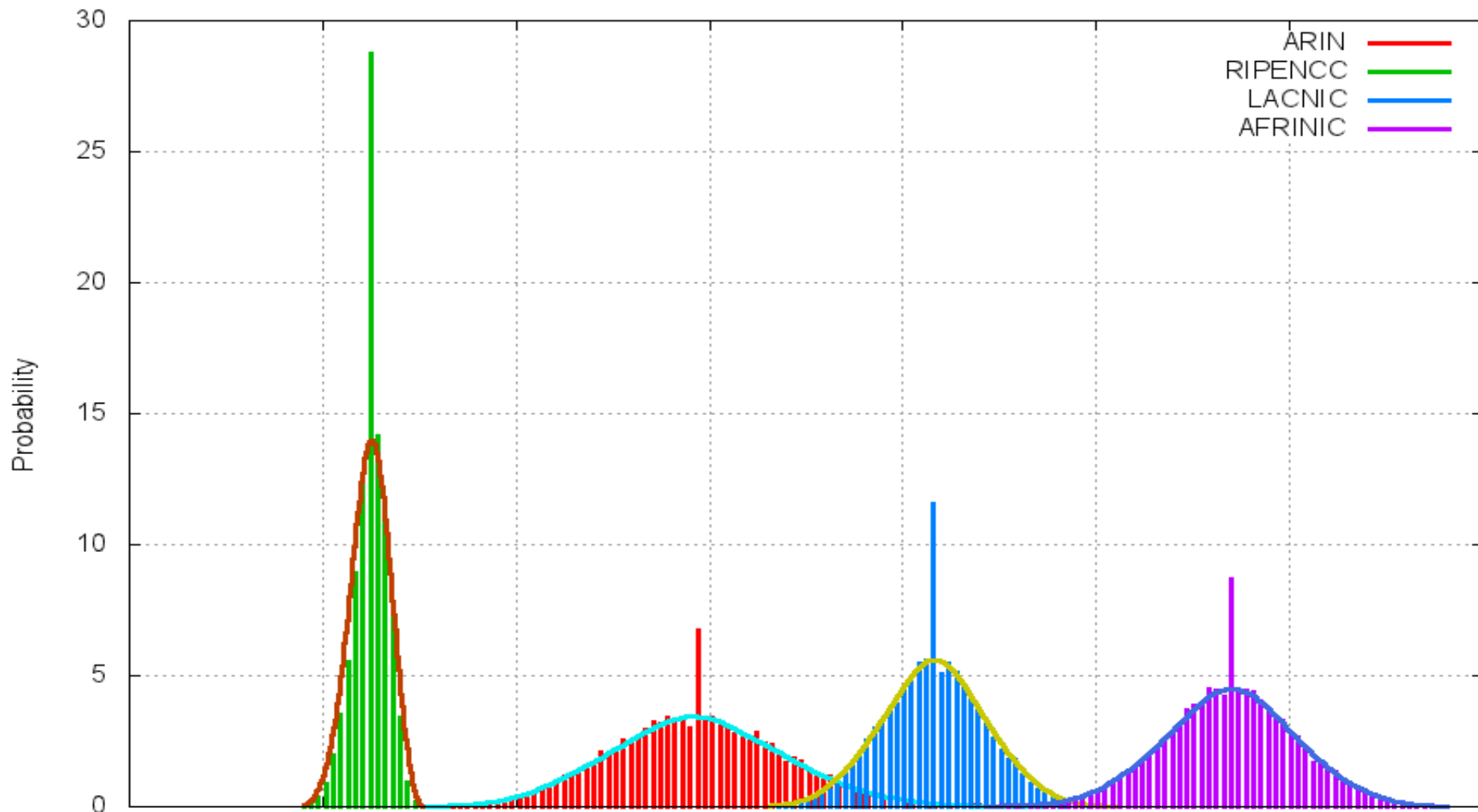
Serekunda, The Gambia | 12-18 May 2012

IPv4 exhaustion

- IANA - IPv4 addresses pool exhausted
- Other RIRS – IPv4 will be exhausted before AfriNIC
- AfriNIC – Projected exhaustion in 2015

Projected IPv4 depletion dates

RIR IPv4 Address Run-Down Model - Variance Analysis



Why should you deploy IPv6?

- IPv6 has been determined to be the long-term solution to this exhaustion of IPv4 address space.
- IPv6 provides enough addresses to allow future expansion of the internet and innovation in the industry

Why should you deploy IPv6?

As a business, you must ensure future continuity of your online activities

As an ISP, you would like to attract new customers and not lose any customers who want to deploy IPv6

As a government, you must ensure that your services are online on IPv6 so that IPv6 only users are able to access them

IPv6 policy

Ensure that our members and the community at large are well prepared for IPv6 in terms of :-

- business planning,
- implementation and
- staff training

IPv6 policy

The current AfriNIC policy for IPv6 address space ensures a smooth and easy process for a member to get IPv6 address space

- LIR – minimum allocation /32
- End-User - minimum assignment /48

Greater allocations can be given by submitting documentation that reasonably justifies the request.

How would you request for your
IPv6 prefix?

Existing AfriNIC member

a) filling out the form available at link below
and emailing it to hostmaster@afnic.net.

<http://www.afnic.net/forms/affrm-v6fst200501.htm>

How would you request for your IPv6 prefix?

from *myafrinic* portal and the steps below:-

Log into <https://my.afrinic.net>

Go to Resources -> IPv6 Resources

Click on 'Request IPv6 resource'

Fill in the form and submit

How would you request for your IPv6 prefix?

You have IPv4 address from your upstream provider or ISP but would like to get your own IPv6 address space?

- First, Apply for AfriNIC membership
- then, Request for your IPv6 prefix

Current incentives

An Existing Member with IPv4 can request for its IPv6 prefix.

NO ADDITIONAL COST to existing membership fees

- New LIRs with IPv6 space only get discounted setup and membership fees if t - see <http://www.afrinic.net/docs/billing/afcorp-fee200708.htm>

Current incentives

- Organisations requesting for an IPv6 prefix only :-

discounted setup and membership fees

<http://www.afrinic.net/docs/billing/afcorp-fee200708.htm>

Current incentives

- IPv6 training programme
 - modules for engineers, system administrators & managers
 - Free attendance
- Availability of IPv6 virtual Lab for testing and educational purposes
- Monthly Webinars
- IPv6 taskforce

IPv6 query

Should you have a query regarding your IPv6 prefix request, please feel free to contact us on

hostmaster@afnic.net

or call us on (230) 4035100 .

For the duration of this meeting, you can consult us at the Member Services Desk

Critical Infrastructure

IXPs – open peering policy with minimum 3 ISPs peering

/48 IPv6 prefix at no cost

Conclusion

Getting your IPv6 address space is a simple process.

Act Now