



AFRINIC – Internet Number Resources Uptake

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- Regional Internet Registry
- Manage the IP Number Resources for its service region
- Implement number resource policies
- Governed by its bylaws



- ~ 2.54 /8s IPv4 available for redistribution
- 1242 resource members
- 30% Resource members have an IPv6 prefix



A /16 IPv4 will be reserved for IXPs for the purpose of peering as per ratified policy

A block of 2-byte ASNs will be reserved as per ratified policy

- A /16 IPv4 is reserved for IXPs for the purpose of managing the IXPs

- 100% discount on assignment and annual membership fees for Internet Exchange Points(Critical Infrastructure Providers)
- So far , ~30 IXP Resource Members have benefited from this initiative . IXPs spanned more than one city/province.
- AFRINIC would like the current & future IXPs to fully benefit from this engagement
- Discount applicable to both peering & management Internet Number Resources

- 3 IXPs do not have an IPv6 prefix for peering
- An IXP Resource member can get its /48 IPv6 prefix free of charge – it entails requesting for it & clearly stating “for peering LAN” on the resource request form(Use myafrinic).

- 16 IXP Resource Members do not have Internet Number Resources for management purposes
- Get a /24 IPv4, a /48 IPv6 & ASN for management purposes of your exchange point now by requesting for them through the AFRINIC member portal. Clearly state for “management purposes”. 100% discount will apply

- There can be multiple IXPs managed by a single entity
- For each IXP , AFRINIC will approve a /24 IPv4 , /48 IPv6 , & ASN for peering & management purposes
 - clear and open peering policy
 - 3 BGP peers

What if the IXP is deploying services around the Exchange Point?

- IP Number Resources required can be obtained from AFRINIC □
- Evaluation will be according to the respective policies

- Internet Exchange Points

They will classify as critical infrastructure operators

- 100% discount on initial setup and annual membership fees will apply if the IXP shall satisfy the conditions below

There must be a minimum of three ISPs connected and there must be a clear and open policy for others to join.

Exchange point operators must provide justification for the allocation, including: connection policy, location, other participants (minimum of three total), ASN, and contact information.

Have your website operational

- where you encourage & provide info for operators to peer at the IXP
- Demonstrate your Open peering policy

Memorandum of Understanding(MoU)

- between at least 3 BGP peers(ISPs) .
- shall also contain the Autonomous System Numbers , Name and contact details of 3 BGP peers(minimum)
- Signed by the peers

- <https://nmrp.afrinic.net>
- Contact details of the administrative, technical & Billing contacts & identify signatory for the contract (Registration Services Agreement)
- State clearly the resources and purpose that you are requesting.
- Know the policy stipulations – if you are asking more than one /24 IPv4 , one /48 IPv6 and one ASN for peering/management , back it up with supporting documentation

Already a Resource Member

- Public ASN to connect to the Exchange Point
- Request the ASN via the myafrinic member portal (<http://my.afrinic.net>)
- Back the request with the Signed MoU

Not a Resource Member?

Apply for membership & Internet Number Resources(IPv4, IPv6 & ASN)

- Organisation Contacts and signatory of the RSA
- State clearly the resources and purpose that you are requesting.
- IP Addressing Plan
- Founding document
- <https://nmrp.afrinic.net>

ALREADY A RESOURCE MEMBER?

- Be policy Compliant by registering the usage of the IP address allocations that you have received from AFRINIC
- Reach 80% usage in valid assignments & request for an additional Ipv4 pref ix
- Request for your IPv6 pref ix (no additional cost)

- Deployed in 2014
- ~500 route objects
- ~20 route6 objects
- Over 33k route object of AFRINIC managed IP blocks in RIPE RR!
- Migration interface developed

AFRINIC

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meeting.afrinic.net/afrinic-23

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Questions

