



AFRINIC & IXPs in AFRICA

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- Manage the IP Number Resources for its service region
- Implement number resource policies/bylaws

- Registration Service Agreement
- AFRINIC bylaws
- ICP-2 document
- Resource Number Policies

- A /16 IPv4 will be reserved for IXPs for the purpose of peering as per ratified policy
- A /16 IPv4 is reserved for IXPs for the purpose of managing the IXPs
- A block of 2-byte ASNs will be reserved as per ratified policy

- Over and above, if an IXP is deploying services around the Exchange Point, it will be eligible to get the Internet Number Resources through other policies (IPv4 Allocation or End User Assignment Policies)
- ~ 2.54 /8s IPv4

- 100% discount on assignment and annual membership fees for IXPs
- So far , 29 IXPs have benefited from this initiative . In some countries ,IXPs spanned more than one city/province.
- AFRINIC would like the IXPs to fully benefit from this engagement and we will now talk about how you as IXPs can get your INR easier & speedier

- How can this happen ?
- We analysed the data that we have regarding existing IXPs and their application for INR. I will now talk about our findings.
- IXPs who are currently an AFRINIC resource member already have access to the myafrinic member portal

- 3 IXPs do not have an IPv6 prefix for peering

Are you aware that it is important that our region adopts IPv6 quicker & that as an IXP you could pave the way in your region/country for the operators peering at the exchange point?

- 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 IXPs 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” . As a resource member & operating critical infrastructure , you will benefit from the 100% discount

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

- Can this Resource Member get IP addresses from AFRINIC?
- Yes, this is possible. The IXP will be billed for these resources but will still benefit from the 100% discount for the peering and management prefixes

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

IXP but Not Yet an AFRINIC Resource Member?

- Membership request overview
- Resource Request overview
- How the requests shall be formulated
- Supporting documentation required
- Reference documentation

IXP but not yet an AFRINIC Resource Member?

- 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.

IXPs but not an AFRINIC Resource Member?

Legal presence in the AFRINIC service region.
is a requirement for resource members.

- What type of founding document is accepted?

Certificate of Incorporation , Act of Parliament, etc

- **No founding document?**

A legal entity can request for the INR for the IXP as long as it is supported by a document signed by the peers at the Internet Exchange Point

- <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

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

Please come & visit us at the AFRINIC Booth
during the AfPIF event

Questions

