

IXP Best practices

Af-IX

August 29, 2016

Dar es Salaam

Best practices - Agenda

- IPv6
- Securing the LAN
- Route servers
- PeeringDB

IPv6

- At Core IXP function
- At management and public services
- Inside office

IPv6

- Office
 - Like everywhere else – get v6 capable provider and equipment
- Services / Management
 - Get assignment from AfriNIC
 - Get upstreams (donated)
 - Announce
 - Include in all services

IPv6 - IXP functions

- Get assignment
- Different from services / management
this should not be globally visible
- One could be split and used for many peering
LANs

Best practices

- Security – port security
- Separate LAN for IPv6 ?????
- IPv6 Router Advertisements (RA)
- Publish aggregated traffic
- Publish individual peers' traffic graphs ????
 - SD, UG
 - Are your peers ok with that ????

Best practices - BGP

- Allow direct BGP between peers
- Offer BGP route servers
 - 2 for redundancy?
 - They exchange BGP info
- Both IPv4, IPv6
- Have a looking glass
- Technical configurations
 - Route servers, etc