IXP Partnership: Developing the Peering Ecosystem in Africa

By Michuki Mwangi (ISOC) Af-IX Meeting, Dar-es-Salaam 29 August 2016



What is the Internet Society?

The Internet Society (ISOC) is a cause-based organization that works with governments, industries, and others to ensure the technologies and policies that helped develop and evolve the Internet will continue into the future.

Our programs cultivate an Internet that is open to everyone, everywhere and aim to ensure that it will continue to be a tool for creativity, innovation, and economic growth.

MISSION: To promote the open development, evolution, and use of the Internet for the benefit of all people throughout the world.

VISION: The Internet is for everyone



Global Presence





Agenda

□ Interconnection and Traffic Exchange Vision

Activities

- Capacity Building
- Community Engagement
- Equipment Assistance
- Internet Measurement

An Africa that's not just an "Internet Consumer" but an "Internet Creator," on par with the rest of the world. Thereby attaining a 80% local and 20% international traffic balance by 2020.

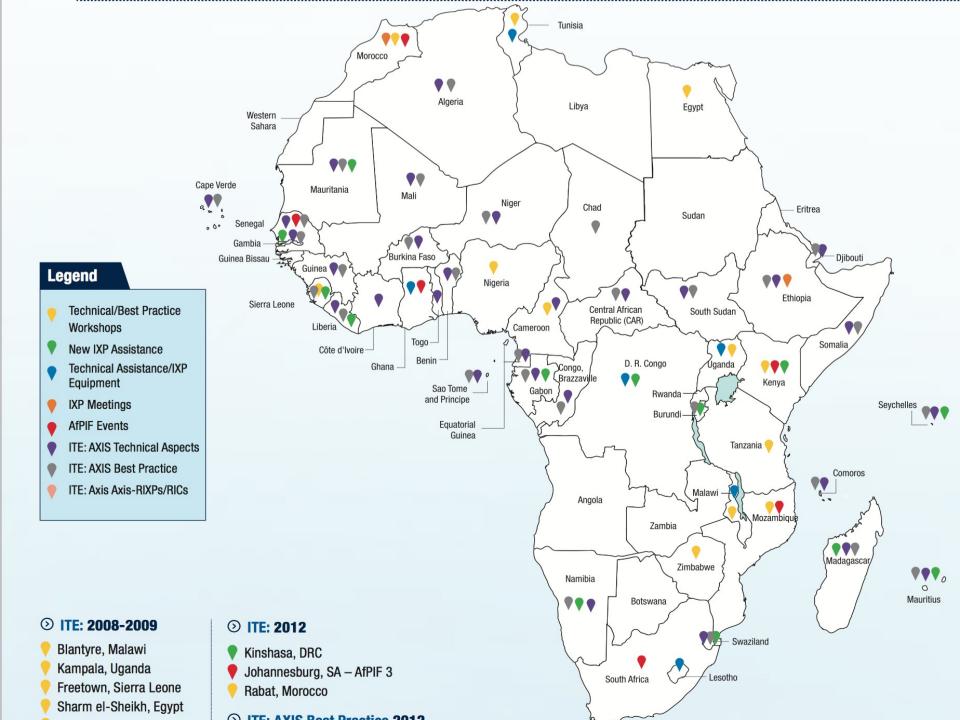
Activities

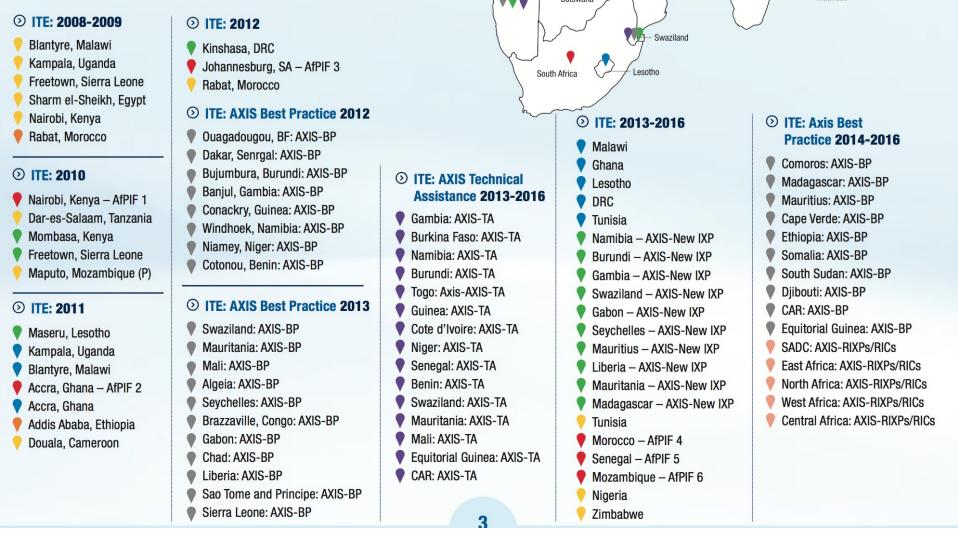


Capacity Building

- IXP Best Practice Workshops
 - For policy and decision makers
- IXP Members Routing Training
 - BGP Routing Training for IXP staff and members







Community Engagement



ROADSHOWS

Peering Roadshows

- 1 day peering workshop
- 2 days bilateral meetings

Members events

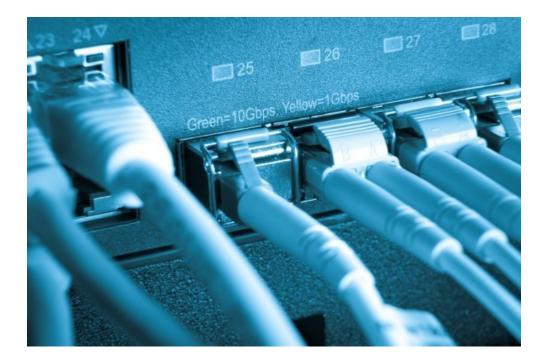
- Member meetings
- Social events alongside other activities

Equipment Assistance

- Routers and Switches
 - Peering LAN
 - Management LAN

Servers

- For value added services
- Route-servers
- Monitoring & Stats
- etc
- Optics
 - Scaling port growth and demand



Interconnection Measurements

- Africa Route and Prefix Analysis System (ARPAN)
 - View of Africa interconnection traffic growth from IXP vantage point
 - Requires Route Collector (PCH, Routeviews or others)



Atlas Anchors Deployment

- 10 x Atlas Anchors in partnership with AfriNIC
- IPv6 requirement*



More Discussions

Thank You! mwangi@isoc.org http://www.internetsociety.org