



The Peering Toolbox

Traditional Transit vs Peering

BKNIX Peering Forum 2022

Philip Smith – Euro-IX

Traditional Transit



20+ years ago

- ISPs provide Internet transit to organisations (content providers and end-users)
- Enterprise networks changed their Internet access to access and transit providers



What has happened?

- Internet has become an essential part of every organisations services, so they are taking more control over it
- Businesses needed to optimise their services

What's the Problem?

- Growth in the importance of Internet to business operations is driving enterprise networks to manage their own connection to the internet
- Managing this comes with risk
- Now there's more than one vendor i.e. IXPs but you also have a bunch of peers

What's the Problem?

- Taking responsibility of the role of the ISP..
 - Having the right resources, IP Addresses, ASNs
 - How do you manage your peers, increase in cost?
 - With who and how are you going to peer? Community, what's that?
- There's A LOT to learn..
 - Where to start.. Who to speak to?
 - What are the best practices?
 - How do you deal with outages?
- Solution?

Peering Toolbox

Community Focused Learning Tool

euro-ix



peering
:toolbox
peeringtoolbox.euro-ix.net

What is the Peering Toolbox?



By the Community

- Community focused Euro-IX project
- Organisations involved include LINX, NAPAFrica, Microsoft, Amazon, INEX



Aims

- Provide a learning structure and best practice information for new entrants into the interconnection community



Aims

- The toolbox will act as a reference/guide that IXPs and networks can point others to for best practice information and learn how meet the IXP and peers requirements

Peering Toolbox

- There's already a lot of good work done by the community
 - We want to pull it together and make it available in one place
 - We are not creating a “peering bible” but it will act as a reference point for best practice information.
- The Peering Toolbox can reference your documents, get in touch, so we can link your materials - peeringtoolbox@lists.euro-ix.net

Peering Toolbox – Coming Soon!

- Peering Academy

- We're going to create a learning structure that's easy for new entrants to follow and discover what they need to learn to make the best decisions for their network.
- The learning will be broken down into small pieces to make it easy, e.g. beginner, intermediate and expert to learn the community best practices
- Using the IXPDB to see the types of networks connected will help give some insight into their knowledge
- We're looking to build the team up, if you're interested in getting involved contact us - peeringtoolbox@lists.euro-ix.net

Thank you

Philip Smith
Peering Toolbox PM
Euro-IX

euro-IX