



# The Peering Toolbox

Documenting Peering Best Practices

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Philip Smith – Euro-IX

# Traditional Transit



## 20+ years ago

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



## What has happened?

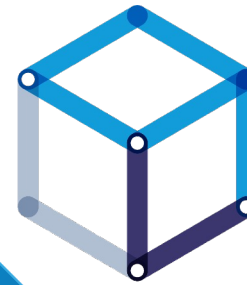
- Internet has become an essential part of every organisation's services, so they are taking more control over it
- Businesses needed to optimise their services

# What's the Problem?

- Growth in the importance of Internet to business operations is driving more enterprise networks to manage their own connection to the internet
- Managing this comes with risk
- Now there's more than one vendor relationship:
  - IXPs
  - Direct Peers

# What's the Problem?

- Enterprises now take on roles previously the responsibility of their ISP:
  - Having the right resources: IP Addresses, ASNs
  - Managing their peers and related costs
  - How to peer and with whom?
  - Understanding the peering community
- There's A LOT to learn:
  - Where to start
  - Who to speak to
  - What are the best practices?
  - How to deal with network problems & outages?
- Solution?



peering  
:toolbox  
[peeringtoolbox.euro-ix.net](https://peeringtoolbox.euro-ix.net)

# Peering Toolbox



Community Focused Learning Tool

euro-ix

# 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 explaining how peering works and how to go about peering
  - We are working to pull it together and make it available in one place
  - The toolbox is intended to be the reference point for best practice information.
- Target audience:
  - Everyone involved with peering!
  - Which means: service providers, enterprises, content providers, research & education networks, IXPs,...

# Peering Toolbox

- Website focused on learning:
  - Short sections with clear explanations of each topic
  - Easy for new entrants to discover what they need to make the best decisions for their network
  - Easy for organisations already peering to learn about current best practices, keep up to date with technology, and help with troubleshooting connectivity and reachability issues
  - Advice from experienced peers sharing tips and tricks
  - Use of the IXPDB and the PeeringDB



# Euro-IX Peering Toolbox



**What is the Peering Toolbox?**

## What is the Peering Toolbox?

The Peering Toolbox is designed to be a quick access reference guide to network operators who want to understand the steps need to go through to find and set up peering for their network with other infrastructure operators.

## Our Services



### Beginner

If you are new to peering, this is the section of the Toolbox for you.

[Learn more](#)

### Intermediate

If you know what needs to be done to set up peering with another entity, but would like a ready reference for verification of the steps you need to take, this is the section for you.

[Learn more](#)

### Advanced

For peering experts, a repository of tips, tricks, advice, troubleshooting, good practice, etc.

[Learn more](#)

# Peering Toolbox – Helping out!

- Looking for community members to help with contributions to improve the Toolbox:
  - Peering advice
  - Blog posts
  - Peering coordinator interviews
  - Technical How-To's
  - Ongoing improvements to the content
- Contact us: [peeringtoolbox@lists.euro-ix.net](mailto:peeringtoolbox@lists.euro-ix.net)

# Thank you

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Philip Smith  
Peering Toolbox PM  
Euro-IX

euro-IX