IX Data Collection- The Big Question?

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Agenda

Overview
• The Basics
• What Next?

The Debate
• Con’s
• Pro’s

The Question
• Community Driven
The Basics

What you should be monitoring?

- **Aggregate Traffic** – Overall performance of exchange
- **Per Interface Traffic** – Per peer contribution
- **Route Collector** – Prefix Analysis, Debugging, Optimisation
What Next?

- Deeper traffic Analysis – sFlow, Netflow, jFlow, IPFIX
- Protocol Analysis
- Application Analysis
- Source and Destination Conversations***
- Security Analysis

Is it the IXP’s Job?
The Con’s

- **Intellectual Property**: Network data is the intellectual property of the members and an organisational asset.

- **Trust**: Will the IXP use data unethically?

- **Security**: Can the IXP securely store the data?

- **Spying**: Can this be considered as spying?
The Pro’s

- **Stability**: Identify bad traffic on the exchange
- **Support**: Help troubleshoot
- **Strategic introductions**: Ensuring the peers obtain maximum value from the exchange
- **Visibility**: Assist bi-lateral peers
- **Security**: Detection of security threats
- **Marketing**: Using data to promote the exchange
- **Planning**: Capacity planning
The Question?

Why would an exchange need that data?

*Is it a great value add?*

- **Resources**: Providing smaller peers access to tools?
- **Exchange Growth**: Keep in touch with who peers are routing to?
Thank you
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