



Protect.
Connect.
Grow.

IX Data Collection- The Big Question?

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Agenda

Overview

- The Basics
- What Next?

The Debate

- Con's
- Pro's

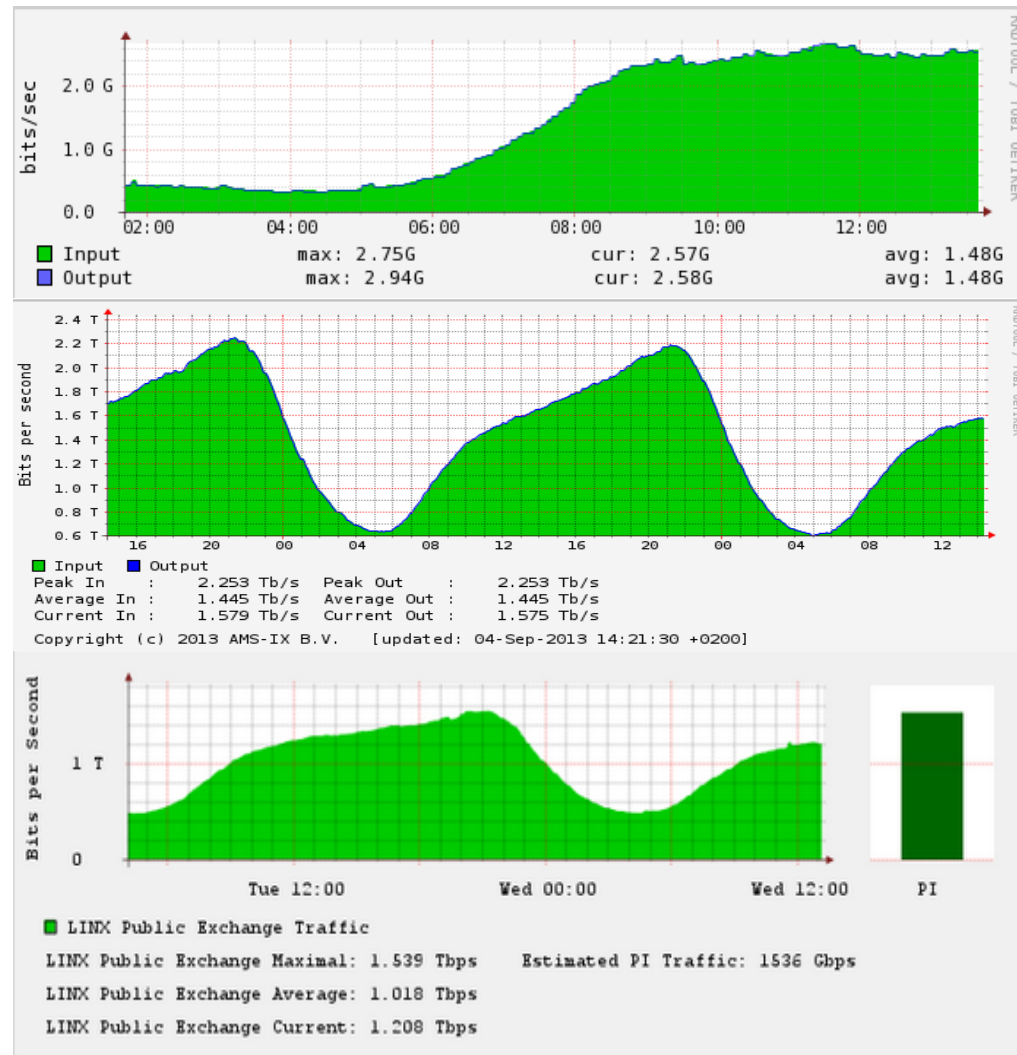
The Question

- Community Driven

The Basics

What you should be monitoring?

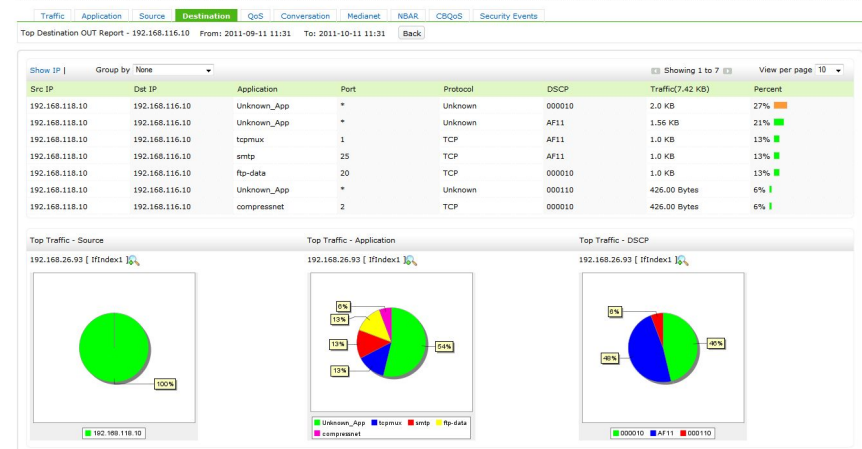
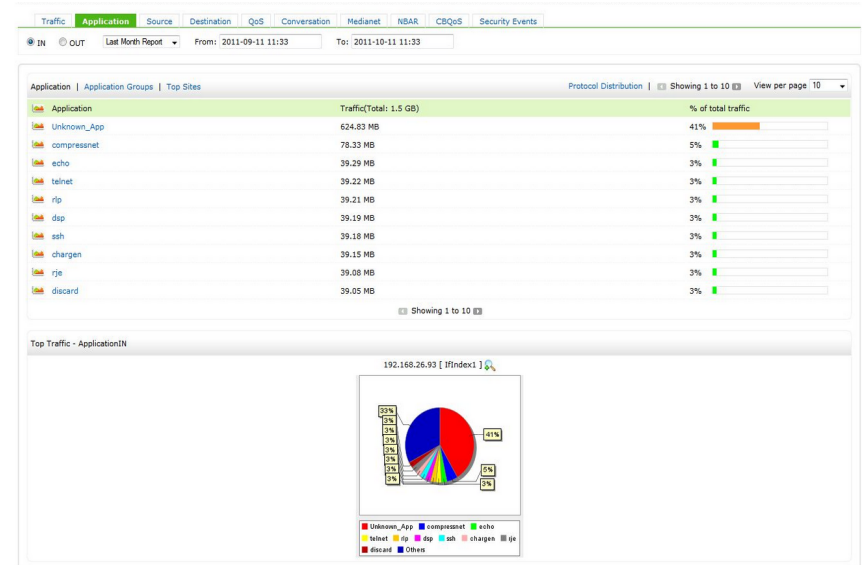
- **Aggregate Traffic** – Overall performance of exchange
- **Per Interface Traffic** – Per peer contribution
- **Route Collector** – Prefix Analysis, Debugging, Optimisation



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



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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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