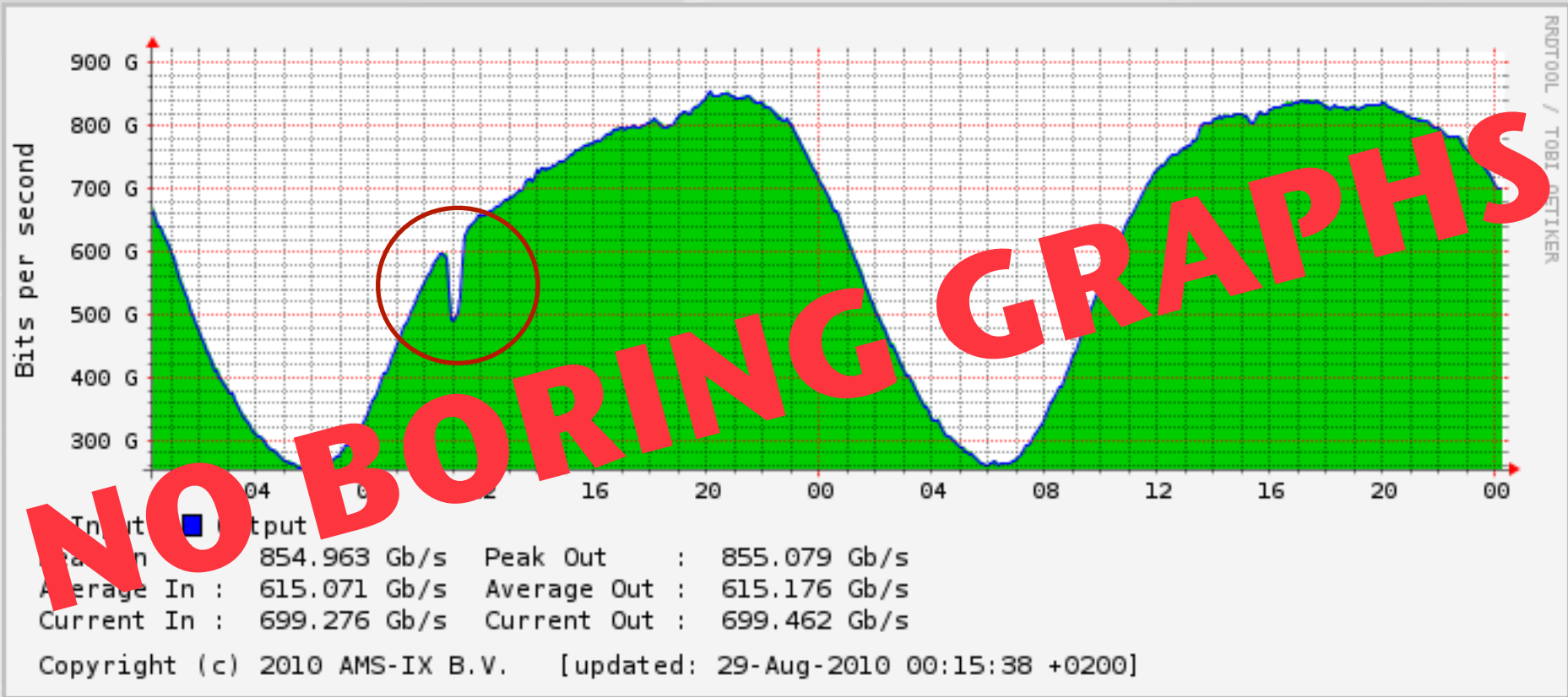


JE VOUS AI COMPRIS



Whatever a speaker is missing in depth he will compensate for in length

Montesquieu

DIY IX

The value of small mutual exchanges

European Peering Forum 2010
Cannes

By the Leeds Interconnect Group IXLeeds
On behalf of LINX

Who is HERE ?

MEET OUR PANEL of IX LOVERS

Adam BEAUMONT

AQL

Rob EVANS

JANET / LINX LPC

Patrick GILMORE

AKAMAI / SIX BOARD / LINX BOARD

Thomas MANGIN

EXA NETWORKS / LINX BOARD

Who is not HERE ?

Two of the three instigators of the project ...



Andy Davidson LONAP/NetSumo



Emma Frost Yorkshire Forward

without them we would not be speaking here today ...



came an email ...

From: Rob Evans <internetplumber@gmail.com>
Subject: [uknof] Network Interconnection in Leeds
Date: 2 September 2008 16:01:35 GMT+01:00
To: uknof@uknof.org.uk

All,

At the start of next month, we're looking at holding an informal meeting over lunch in Leeds to discuss interest in, and options for, increasing the density of network interconnection outside London.

That is about as far as the agenda has developed at the moment, but if you, or one of your colleagues, is interested in participating or feel you have something interesting to contribute, please let one of the people below know.

The plan is to meet from 11am until about 2pm on Tuesday, October 7th, at a venue in Leeds, kindly sponsored by Yorkshire Forward.

Best wishes,
Andy Davidson, Netsumo.

<andy.davidson@netsumo.com>

Rob Evans, JANET(UK).

<rhe@nosc.ja.net>

Emma Frost, Yorkshire Forward.

<Emma.Frost@Yorkshire-Forward.com>

Many people came for the **free drinks** !

development agencies are great sometimes

Many organisation from different backgrounds

15 person made it to the first meeting.
The group now counts 47 “members”

186K
Andrews Arnold
Aql
Ask 4
Bytemark
Cable and Wireless
DRBSY
Digital Region
Exa Networks
Gamma Telecom
Geo
Griffin Internet
INEX
IOKO
JANET
Kingston Communications

LINX
LONAP
Link Telecom
Metronap
NYNET
Node 4
Nominet
PlusNet
Sleek Networks
Techmesh
Thus
UK Solutions
York Data Services
Yorkshire forward
Zen internet
...



When the wine is poured, you have to drink it, even if it's good

Marcel Pagnol

What was done ?

Yorkshire Forward produced some minutes !!!



We talked a lot ... even by my standards !

About each other

About infrastructure available in Leeds (including sales plugs)

About ongoing regulatory consultation

About what had been done in Manchester

About what could be done in Leeds

And Andy tried to convince the audience that an IX would be great

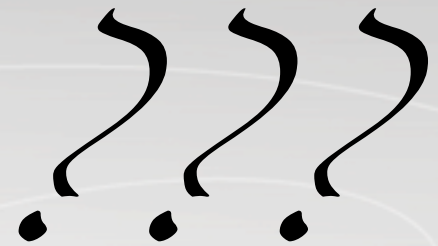
But all we decided was to meet again and speak more ...

Generally speaking, the people who know little speak a lot and the people who know a lot speak little

Rousseau

Definition of an objective ...

Networking is fun but is not enough



We tried to have a meeting every 3 months

- to not burn people out
- to still achieve something this millennium

Created a mailing list to communicate

- who says email is broken ?

New people came to join the group, People came to speak with this new “Leeds Interconnect Group”.

This played the secondary role of an IX

- allow people to meet face to face
- converge energies and information in one place

However the group felt it was not enough



Building something ...

Entrepreneurs and Geeks like to build things ..

So what do you think when you put lots of Geek Entrepreneurs in a room ?



Work delivers us from three great evils: boredom, vice and want.

Voltaire.

Building something ...

Entrepreneurs and Geeks like to build things ..

So what do you think when you put lots of Geek Entrepreneurs in a room ?

A few of them are left doing everything to keep the project moving

We can thank ...

- LONAP / Andy project managed the IX creation
- LINX performed an colocation due diligence would believed in the project

- Yorkshire forward
- AQL

Who helped with some meeting organisation / financing

- Everyone

To put their self interest aside and make it a success



A project needs Hard Data

Two surveys to gather information and judge interest

List all possible Leeds colocation site (group information)

Set the appropriate financial level of engagement

Type of Organisation (NFP, commercial, 'just a switch', ...)

Figure which site had the most immediate support

We were lucky to have two Leeds based colocation providers in the group

It meant we had to really be careful about due process

A independent colocation site survey done by LINX

To make sure the site were appropriate

To be as impartial as possible

A first year budget was proposed to the group

(Most of the costs are in the ISL)

For a one site solution

For a two site solution



I have always believed that to succeed in life, it is necessary to appear to be mad and to act wisely



WE ARE
HERE



from http://www.uknof.org.uk/uknof17/Davidson-Leeds_IXP.pdf a few weeks ago

Where are we, again ?



(No this is not London Docklands ...)

- Two site selected,
- AQL : Salem Church
 - Sleek Networks : Angel Court

Get to Salem Church via :

- BT
- GEO
- C&W (Your Communication)
- Gamma Telecom
- Virgin Media

Starting with one site, financially unviable to operate two sites yet

Judge a man by his questions rather than by his answers

Voltaire

Opening Party ...



October 2010

Three months to plug and peer **FREELY**

Then stay connected

Or become part of a Non Profit

- have a say
- enjoy Leeds pubs with us

Contact us: info@ixleeds.net

What kind of Non Profit ?

Friendly

Run by volunteers

Small budget

Not fully free to allow us to build reserve to reach other DC

Donations welcomed

Hardware

Events sponsoring

You name it

Peering sessions !

Donate

Benefits of an IX in Leeds

Obvious Ones

Improve resilience

Peering UK ISPs Northern connection outside London
Complement less “formal” IXes
(like Enlix – Zen Internet IX in Manchester)

Keep Northern UK traffic local

reduce backhaul need
improve RTT for VOIP traffic

Improve the region attractiveness

cheaper connectivity
choice of supplier

Improve regional human networking

Less Obvious

SSE fiber landing in Southport

Leeds BT 21 CN supernode

So, what did 2 years change ?



It is dangerous to be right in matters on which the established authorities are wrong

What NOW ?

Infrastructure

- Improve resiliency / Internet services in the region
- Identify and address infrastructure issues
- Publish regional data

Community

- Opportunity to meet others in the region
- Share knowledge / bring in speakers
- Input into regional strategy

Inward investment

- Encourage other organisations into the region / group
- Increase added value to the region

Collaboration

- Work together as a group
- Find potential partnerships within the group

There are many true statements about complex topics that are too long to fit on a PowerPoint slide

QUESTIONS ?



Andy Davidson I installed the ixLeeds peering switch, monitoring infrastructure and collector earlier. Feels very real now!

21 hours ago via Twitter · Comment · Like · @andyd on Twitter

Matthew , Denesh , Tom and 12 others like this.

let me know when/if you need an
engineer ;)
20 hours ago · Like

...ix..Leeds?
15 hours ago · Like



Thomas Mangin IXes feel real when they are the reason for an hangover :D

7 hours ago · Like · Delete



Adam Beaumont in which case, it feels very, very real... :)

3 hours ago · Like



Write a comment...

Thank you for listening.