

Operations Update



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Barry O'Donovan

March 15th 2012

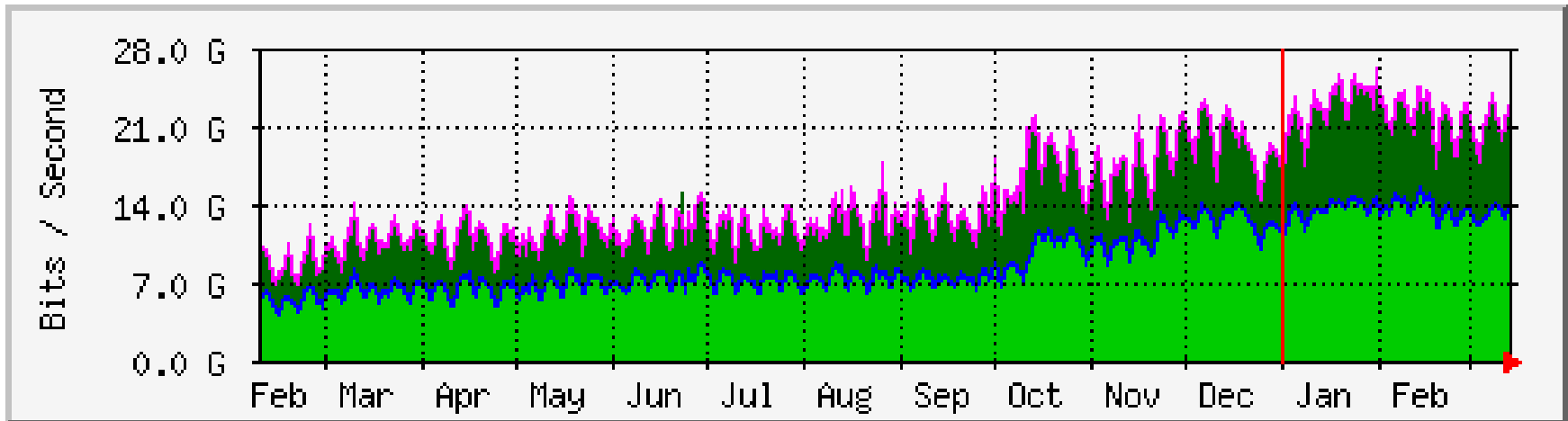
barry.odonovan@inex.ie



Operations Summary – Statistics

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- 55 IPv4 / 31 IPv6 connections to route collector
- 46 (42) IPv4 / 29 (25) IPv6 members on route servers
- ~5k IPv4 / 170 IPv6 prefixes





Operations Summary – Member Updates

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- Recent connections and upgrades include:
 - Limelight (10Gb)
 - Airspeed (to 1Gb)
 - Eircom (to 10Gb, LAN2)
 - Fastcom (to 1Gb)
 - Net1 (to 1Gb)
 - Westnet (to 1Gb)
 - Bitbuzz (LAN2)



IXP Manager - Updates

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- IXP Manager open sourced early 2011 – GitHub
- Recent updates include:
 - Shiny new user interface
 - Dashboard redesigned and simplified
 - Redesigned statistics pages
 - Mailing list subscriptions can be managed via your *Profile* page

Overview

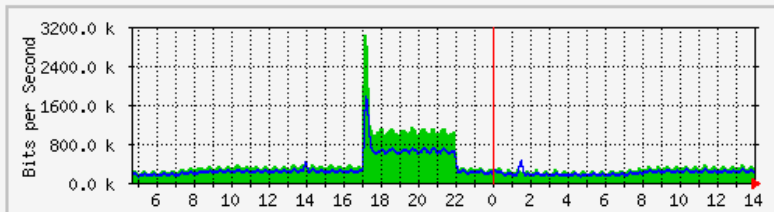
Peering

My Details

Ports

Statistics

Aggregate Traffic Statistics



Recent Members

Our three most recent members are listed below. Have you arranged peering with them yet?

Name	AS Number	Date Joined	Peering Contact
Limelight Networks	22822	2011-11-11	peering@llnw.com
CNIX	49634	2011-04-28	peering@cnix.ie
Yahoo Inc	10310	2011-04-18	peering@yahoo-inc.com

Recent Changes and Updates to IXP Manager

- You can now **manage your mailing list subscriptions** via your [profile page](#).
- There are issues with the peering matrices (which also affect your [Peering Manager](#)). We are aware of this and are working on a fix.
- Redesigned [statistics pages](#) making them clearer and more intuitive.
- Redesigned and simplified dashboard.
- New user interface design (via [Bootstrap](#)).
- Added weather maps for peering [LAN 1](#) and [LAN 2](#) showing inter-PoP trunk utilisation and other information based on feedback from members.
- [Fees and charges](#) updated for 2012.

- IXP CUSTOMER ACTIONS
 - Customers
 - Ports
 - Users
 - Contacts
 - Colocated Equipment
 - Meetings
- IXP ADMIN ACTIONS
 - Locations
 - Cabinets
 - Switches
 - IP Addressing
 - Vendors
 - Console Server Connections
 - VLANs
 - IRRDB Configuration
- IXP STATISTICS
 - Member Statistics - Graphs
 - Member Statistics - List
 - League Table
- IXP UTILITIES
 - PHP Info
 - APC Info
 - Last Logins

Home

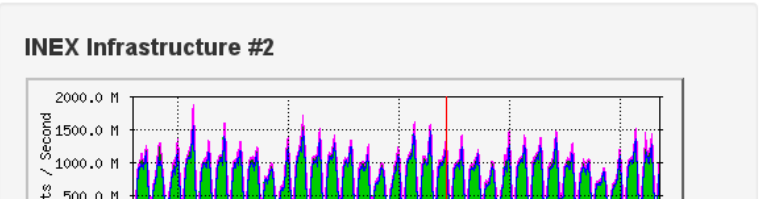
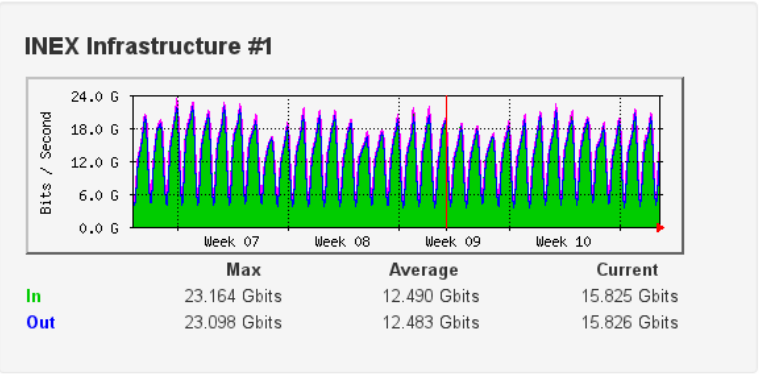
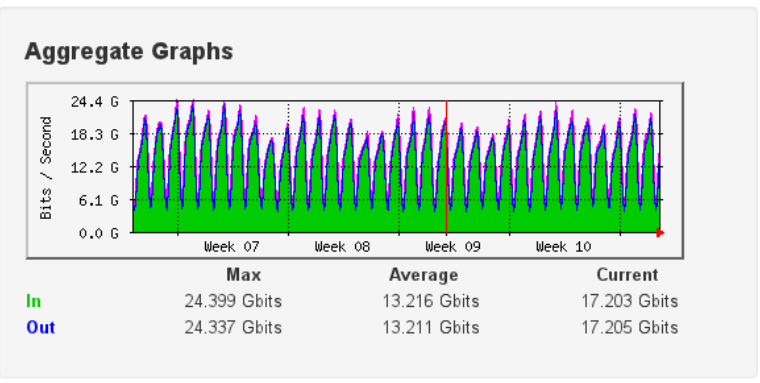
Customer Type	Count
Full	51
Internal	2
Associate	14
Pro-bono	4

Customer Ports by Location

Location	100	1000	10000	Total
Telecity Kilcarbery	19	14	5	38
Telecity Citywest	10	12	7	29
Interxion DUB1	1	6	3	10
Totals	30	32	15	77

Customer Ports by Infrastructure

Infrastructure	100	1000	10000	Total
LAN #1	23	23	11	57
LAN #2	7	9	4	20
Totals	30	32	15	77



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[Home](#) / [Customers](#) / Dashboard for AS112 Reverse DNS



AS112 Reverse DNS

<http://www.as112.net/> - peering@inex.ie

Status	Normal	Joined	2006-09-07
Type	Pro-bono	Left	0000-00-00
Peering Policy	open	ASN	112
NOC Details	24x7 operations@inex.ie +353 1 6169698 +353 86 8229854 (24h)	Billing Details	Nick Hilliard INEX

Interfaces

Infrastructure	Location	Switch	Port	Speed	
LAN #1	Telecity Citywest	swi1-tcy1-3	GigabitEthernet20	1000/full	
LAN #2	Telecity Citywest	swi2-tcy1-1	GigabitEthernet20	1000/full	

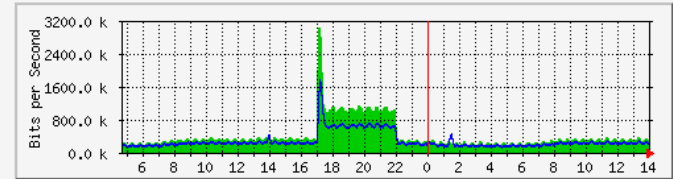
User Accounts

Username	Type	Email	Mobile	
as112	CUSTADMIN	ops@inex.ie	353868017669	
barryod1	CUSTUSER	barryo@inex.ie	353868017669	
as112access	CUSTUSER	nick@foobar.org	353868229854	

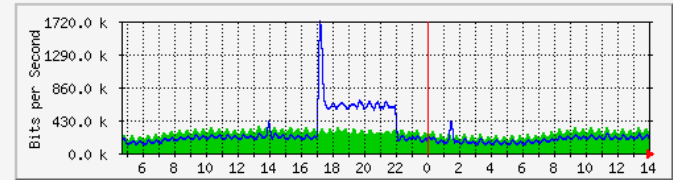
Contacts

Name	Email	Phone	Mobile	
Barry O'Donovan	barryo@inex.ie		353868017669	

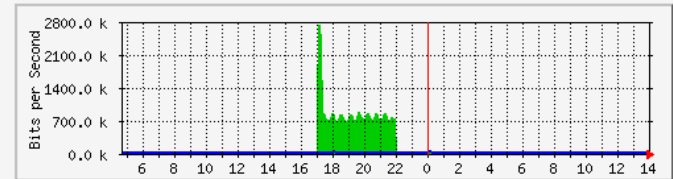
Aggregate Traffic Statistics



Telecity Citywest / swi1-tcy1-3 / GigabitEthernet20 (1000Mb/s)



Telecity Citywest / swi2-tcy1-1 / GigabitEthernet20 (1000Mb/s)



IXP Manager - Plans for 2012



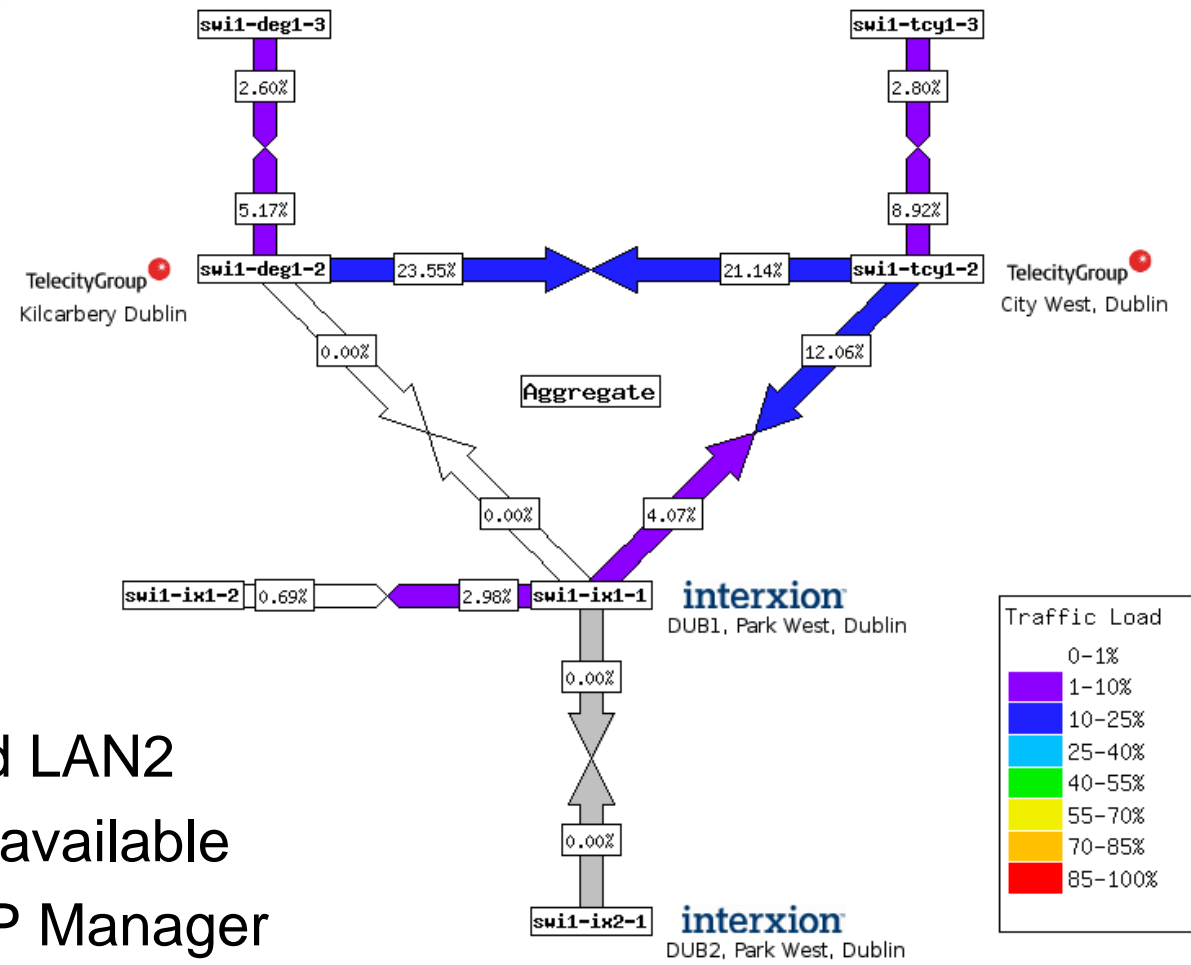
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- Integrate billing information
- Build in a provisioning system
 - Request forms
 - Process management
- sFlow data for member to member traffic
- Improve My Peering Manager
- Better 'open sourcing'

- Any requests? – operations@inex.ie



Weathermaps



- LAN 1 and LAN2
- Publically available
- Also in IXP Manager



INEX Management Systems

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- Reviewing power requirements / risk exposure for single PSU devices
- ATS devices under consideration
- Management edge to be upgraded
 - Aging C2811 to possibly C2901
 - Aging PIX to ASA
 - Dual-locations
 - Off peering LAN transit
- Second virtualisation server
 - Always planned for 2012
 - Awaiting Dell's 12th Gen servers (R720)
 - Allow for HA of critical mgmt & member services

Operations Summary



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Any questions?

operations@inex.ie