IXP Manager Update



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IXP Manager



- Customer and Admin Portal for IXPs
- Launched June 2010
- Open Source GPL
- Frontend Big Upgrade Just Completed
 - F/LAMP Stack (PHP)
 - Zend, Doctrine2, Smarty, Bootstrap, jQuery
- Backend
 - PHP / Perl scripts

Sample Admin Interface

IXP Manager

Support Staff Links -

AS112 Reverse DNS

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IXP CUSTOMER ACTIONS

Ports

Users

Contacts

Colocated Equipment

Meetings

IXP ADMIN ACTIONS

Locations

Cabinets

Switches

IP Addressing

MAC Addresses

Vendors

Console Server Connections

VLANs

Change Log

IRRDB Configuration

IXP STATISTICS

Member Statistics - Graphs

Member Statistics - List

League Table

IXP UTILITIES

PHP Info

APC Info

Home / Customers / Dashboard for AS112 Reverse DNS

AS112 Reverse DNS PROBONO MEMBER

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

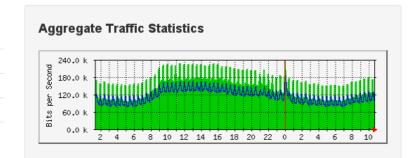
Status	Normal	Joined	2006-09-07
Туре	Pro-bono	Left	0000-00-00
Peering Policy	open	ASN	112
NOC Details	24x7 operations@inex.ie +353 1 6 +353 86 (24h)	Billing Details	Nick Hilliard INEX

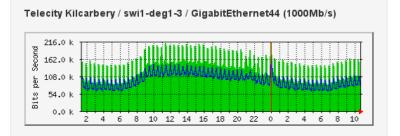
Interfaces +

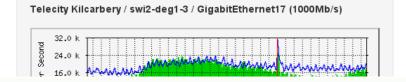
Infrastructure	Location	Switch	Port	Speed	
LAN #1	Telecity Kilcarbery	swi1-deg1-3	GigabitEthernet44	1000/full	•
LAN #2	Telecity Kilcarbery	swi2-deq1-3	GigabitEthernet17	1000/full	•

User Accounts +

Username	Туре	Email	Mobile	
as112	CUSTADMIN		 9	/ 🗎 1
barryod1	CUSTUSER	e.	 3	/ m 1









IXP Manager

Dashboard

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Documentation -

Statistics -

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Profile

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Switch Back

Overview

My Details

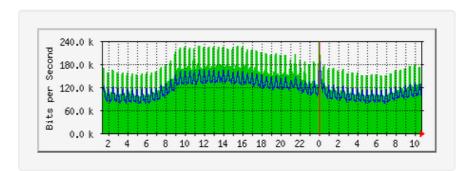
Ports

Peering Manager »

Statistics »

Peer to Peer Traffic »

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
Netflix	2906	2012-06-29	
IX Reach	43531	2012-06-25	
Magrathea	31084	2012-06-18	

Recents Changes and Updates to IXP Manager

- Peer to peer (member to member) traffic graphs are now available.
 All feed back greatly appreciated. Check yours out here.
- New Peering Manager now available. Check it out here.
- Peering matrices are now working again with added IPv6 support and lots of new bells and whistles. Check them out here.
- You can now manage your mailing list subscriptions via your profile page.
- Dedecioned statistics were actionally about the second second intribution



IXP Manager

Dashboard

Member Information 🕶

Peering >

Documentation 🔻

Statistics 🔻

Support

Profile

About 5

Switch Back

Potential Peers

Potential Bilateral Peers

Peers

Rejected / Ignored Peers

You currently do not exchange any routes in any way with the following members of the exchange over the highlighted - in red - protocol(s) and LAN(s) because:

- · either you, they or both of you are not route server clients; and
- . you do not have a bilateral (direct) peering session that we have detected with them.

Member	ASN	Policy	LAN 1	LAN 2	
3 Ireland	21327	open	IPv4		Request Peering
BT Ireland	2110	open	IPv4	IPv4	Request Peering
Cable & Wireless Worldwide	1273	selective	IPv4		Request Peering
Colt Technology Services	8220	selective	IPv4		Request Peering
Interfusion Networks	34912	open	IPv4	IPv4	Request Peering
Limelight Networks	22822	selective	IPv4		Request Peering ★ Notes ▼
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Admin Features



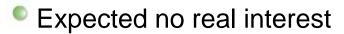
- CRUD operations for:
 - Members, users, interfaces
 - VLANs, IP addresses
 - PoPs, Racks, Switches, SwitchPorts
- Traffic graphs (via MRTG backend)
- P2P Traffic Graphs (new)
- Meetings & RSVP, MAC addresses
- Port Utilisation and Traffic Change alerts
- Auto-provisioning of route servers and collector, ARPA, Nagios, Smokeping, MRTG, TACACS, RADIUS, Mailman

Member Features



- Traffic graphs and P2P graphs
- Mailing list management
- NOC / peering / contact details update
- Peering Manager
- Peering matrices
- Meetings & RSVP
- Other member details
- Documentation
- User management

The Open Sourcing of IXP Manager



- Wrong!
- In use in Australia, SIX, interest from KIX
- Project hosted on GitHub
 - https://github.com/inex/IXP-Manager
 - Please fork on GitHub if you plan to use it
- Follows standard MVC structure
- Installing / expanding / tailoring getting easier
 - Installation and other documentation in progress
 - Modules allow for individual functionality
 - Skinning functionality already in place







https://github.com/inex/IXP-Manager

Mailing list:

https://www.inex.ie/mailman/listinfo/ixpmanager