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C i n e x e

What is IXP Manager?

internet neutral exchange

- Admin and Member Portal for IXPs
- Launched June 2010
- Open Source GPL

Frontend

- F/LAMP Stack (PHP)
- Zend, Doctrine2, Smarty, Bootstrap, jQuery

Backend

PHP / Perl scripts





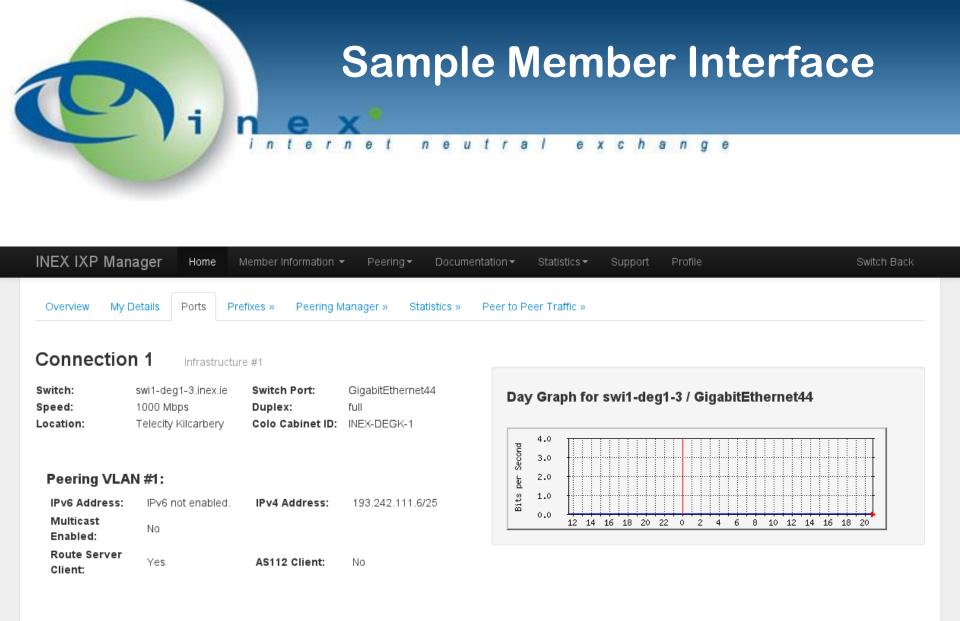
internet neutral exchange

INEX IXP Manager	Member Information $ extsf{ heta}$	Peering - Documentation -	Statistics - Support	Staff Links 🔻	View a Customer	My Account -	
IXP CUSTOMER ACTIONS Customers Interfaces	AS112 Reve	ITSE DNS PROBONO MEMB	ER			•• / < 3 >	
Users Contacts Colocated Equipment	Overview Ports	Users Contacts Notes	RS Prefixes » P2P »				
Meetings IXP ADMIN ACTIONS Locations	Aggregate Traffic Statistics						
Cabinets Switches IP Addressing MAC Addresses Vendors Console Server Connections	13.6 k 10.2 k	5 18 20 22 0 2 4 6 8					
VLANs IRRDB Configuration	Corporate Site	http://www.as112.ne	et/	Peering Email	peerin	g@inex.ie	
Route Server Prefixes	Status	Normal		Joined	2006-0	09-07	
IXP STATISTICS	Туре	Pro-bono		Left			
Member Statistics - Graphs	Peering Policy	open		ASN	112		
Member Statistics - List	PeeringDB			AS-SET			

Leadue Table

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Connection 2

Admin Features

internet neutral exchange

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

Member Features

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- Traffic graphs and P2P graphs
- Mailing list management
- NOC / peering / contact details update
- Peering Manager
- Peering matrices
- Other member details
- Documentation
- User management
- Route Server Prefix Analysis Tool (new)

Peering Manager

nternet neutral exchange

IXP Manager	Dashboard	Member Information 👻	Peering -	Documentation -	Statistics -	Support	Profile	About	Switch Back

Potential Peers

Potential Bilateral 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.

Peers

Member	ASN	Policy	LAN 1	LAN 2	
3 Ireland	21327	open	IPv4		🐱 Request Peering 🛛 🛧 Notes 🔍
BT Ireland	2110	open	IPv4	IPv4	🐱 Request Peering 🛛 🛧 Notes 🔍
Cable & Wireless Worldwide	1273	selective	IPv4		🐱 Request Peering 🛛 🛧 Notes 🔍
Colt Technology Services	8220	selective	IPv4		🖾 Request Peering 🛛 🛧 Notes 🔍
Interfusion Networks	34912	open	IPv4	IPv4	🖾 Request Peering 🛛 🛧 Notes 🔍
Limelight Networks	22822	selective	IPv4		Request Peering 🗙 Notes 🔻
FT - 27	0000				

Route Server Prefix Analysi	s Tool					
INEX IXP Manager Home Member Information - Peering - Documentation - Statistics - Support Profile	Switch Back					
Route Server Prefix Analysis						
Advertised but Not Accepted (1) Advertised & Accepted (26) Not Advertised but Acceptable (13) Help						

Show 10 • entries	Search: 2128			
Prefix	Protocol	🔶 🛛 First Seen	🍦 Origin AS	\$
193.242.111.0/24	IPv4	2012-05-28 01:11:25	2128	
194.88.240.0/23	IPv4	2012-05-28 01:11:25	2128	
2001:7f8:18::/48	IPv6	2012-05-28 01:12:12	2128	
Showing 1 to 3 of 3 entries (filtered from 26 total e	← Previous 1 Next -	<i>→</i>		

Coming Soon to LONAP!

internet neutral exchange

Completing work on gaps for LONAP

- Private VLANs / MPLS private circuits
- Additional CRM functionality
- Big improvements to contacts / user mgmt
- Becoming switch vendor agnostic
- Migration scripts to port data from existing database(s)
- Ready for internal testing by end of May
- Plan and begin rollout to LONAP members during June / July – woot!





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

Mailing list:

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