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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





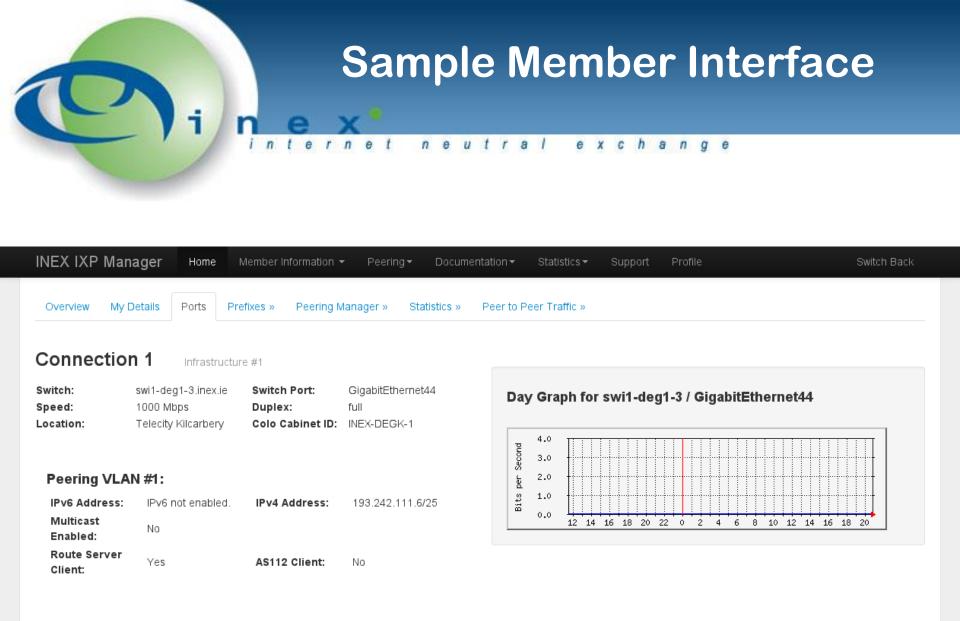
internet neutral exchange

| 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

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- 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