IXP Manager Update

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What is IXP Manager?

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

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

Backend
- PHP / Perl scripts
Sample Member Interface

Connection 1

Switch: swi1-deg1-3.Inex.ie
Speed: 1000 Mbps
Location: Telecity Kilcarbery

Switch Port: GigabitEthernet44
Duplex: full
Colo Cabinet ID: INEX-DECK-1

Peering VLAN #1:
IPv6 Address: IPv6 not enabled
IPv4 Address: 193.242.111.6/25
Multicast Enabled: No
Route Server Client: Yes
AS112 Client: No

Day Graph for swi1-deg1-3 / GigabitEthernet44
Admin Features

- 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

- 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)
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.

<table>
<thead>
<tr>
<th>Member</th>
<th>ASN</th>
<th>Policy</th>
<th>LAN 1</th>
<th>LAN 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Ireland</td>
<td>21327</td>
<td>open</td>
<td>IPv4</td>
<td></td>
</tr>
<tr>
<td>BT Ireland</td>
<td>2110</td>
<td>open</td>
<td>IPv4</td>
<td>IPv4</td>
</tr>
<tr>
<td>Cable &amp; Wireless Worldwide</td>
<td>1273</td>
<td>selective</td>
<td>IPv4</td>
<td></td>
</tr>
<tr>
<td>Colt Technology Services</td>
<td>8220</td>
<td>selective</td>
<td>IPv4</td>
<td></td>
</tr>
<tr>
<td>Interfusion Networks</td>
<td>34912</td>
<td>open</td>
<td>IPv4</td>
<td>IPv4</td>
</tr>
<tr>
<td>Limelight Networks</td>
<td>22822</td>
<td>selective</td>
<td>IPv4</td>
<td></td>
</tr>
<tr>
<td>Navylink Exchange Services</td>
<td>2200</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Request Peering] [Notes]
## Route Server Prefix Analysis

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Protocol</th>
<th>First Seen</th>
<th>Origin AS</th>
</tr>
</thead>
<tbody>
<tr>
<td>193.242.111.0/24</td>
<td>IPv4</td>
<td>2012-05-28 01:11:25</td>
<td>2126</td>
</tr>
<tr>
<td>194.88.240.0/23</td>
<td>IPv4</td>
<td>2012-05-28 01:11:25</td>
<td>2126</td>
</tr>
</tbody>
</table>

Showing 1 to 3 of 3 entries (filtered from 26 total entries)
Coming Soon to LONAP!

- 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!
Thanks for Listening!

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

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