

The Peering Database

The <https://www.peeringdb.com/> is a freely available, user-maintained database of networks which take part in the global Internet. It is considered the authoritative source of all information relating to network operators who participate in peering around the world.

The database facilitates the global interconnection of networks at Internet Exchange Points (IXPs), data centres, and other interconnection facilities, and is the first stop in making interconnection decisions.

Background

In the early Internet (of the 1990s) there were few network operators and interconnect points around the world that interconnections were relatively straightforward to seek out and implement (in the author's experience anyway). In March 1999 there were 4640 ASNs in the Internet with only 800 providing transit. This compares with today's total exceeding 73000 ASNs and over 10000 ASNs providing transit, never mind that almost every country in the world now has at least one Internet Exchange Point if not a datacentre facilitating commercial interconnects.

In the 1990s establishing new interconnects by attending in major Internet operations meetings (NANOG, RIPE, AfNOG, APRICOT and so on), with network information passed on by word of mouth or email or even by letter!

With the rapid growth of the Internet in the late 1990s and early 2000s, there needed to be a more scalable way for a Network Operator to get their "peering information" out to the global Internet operations community. And hence the PeeringDB was born.

What is the Peering DB

The Peering DB is a repository of the important information that network operators need to determine whether an interconnection is feasible, makes commercial sense, makes technical sense, and is even technically feasible. While the Peering DB website has much more detailed information, the Peering Toolbox is highlighting the key points.

Here are some example entries to show what is possible. The first example (publicly accessible) is of LINX, the London Internet Exchange:

PeeringDB Search here for a network, IX, or facility. Advanced Search phionix ≡

LINX LON1 Silver Sponsor

Peers	811	Connections	913	Open Peers	508	Total Speed	36.2T	% with IPv6	85
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Organization **LINX**

Also Known As: [LINX](#)

Long Name: London Internet Exchange Ltd.

City: London

Country: GB

Continent Region: Europe

Media Type: Ethernet

Service Level: Not Disclosed

Terms: Not Disclosed

Last Updated: 2020-06-29T07:53:16Z

Notes: used to be Juniper LAN

[Translate >](#)

Contact Information

Company Website	https://www.linx.net/
Traffic Stats Website	https://portal.linx.net/
Technical Email	support@linx.net
Technical Phone	+44 207 292 1000
Policy Email	info@linx.net
Policy Phone	+44 207 292 1000
Sales Email	sales@linx.net
Sales Phone	+44 207 292 1000
Health Check	Check Status

LAN

MTU	1500
IX-F Member Export URL Visibility	Private

Peers at this Exchange Point Filter

Peer Name	ASN	Speed	Policy
(as) networks 195.66.225.115	33920	2G	Selective
01 Telecom (01.T)	201933	10G	Open
2001:7B:4::3:14:cd:1			
012 Smile Telecom 195.66.225.114	9116	10G	Open
012 Smile Telecom 195.66.226.60	9116	10G	Open
16.1 Versatel Deutschland GmbH	8MM1	100G	Selective
2001:7B:4::22:b1:1	195.66.224.246		
100 Percent IT 195.66.225.213	20915	1G	Open
23M GmbH	47447	10G	Open
2001:7B:4::b957:1	195.66.227.70		
24Shells Inc	59061	10G	Open
2001:7B:4::d729:1	195.66.227.116		
31173 Services AB	39351	10G	Open
2001:7B:4::99b7:1	195.66.226.62		
4D Data Centres Ltd	31463	10G	Selective

which shows a screen capture of what is available at their LON1 site, a scrollable list of the participants, how to contact LINX, etc.

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<https://bgp4all.com/pfs/> - Philip Smith's Internet Development Site

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https://bgp4all.com/pfs/peering-toolbox/the_peering_database?rev=1651812554

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