

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:

Last update:

2022/05/06 peering-toolbox:the_peering_database https://www.bgp4all.com/pfs/peering-toolbox/the_peering_database?rev=1651812554
04:49

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LINX LON1 Silver Sponsor

Peers	Connections	Open Peers	Total Speed	% with IPv6
811	913	598	38.2T	88

Organization **LINX**

Also Known As

Long Name London Internet Exchange Ltd.

City London

Country GB

Continental Region Europe

Media Type Ethernet

Service Level Not Disclosed

Term 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 1992 630 000](#)

Policy Email info@linx.net

Policy Phone [+44 1992 630 000](#)

Sales Email

Sales Phone [+44 1992 630 000](#)

Health Check

LAN

MTU	1500
IX-F Member Export URL	Private
Visibility	Public

Peers at this Exchange Point [Filter](#)

Peer Name	IPv4	ASN	Speed	Policy
(as) networks	196.66.226.115	33920	2G	Selective
 912 Telecom (911)	201903	195.66.227.214	10G	Open
2001:7f8:4::3:14cd:1				
912 Smile Telecom	9116	2001:7f8:4::239c:1	10G	Open
912 Smile Telecom	9116	2001:7f8:4::239c:2	10G	Open
 18.1 Vodafone Deutschland GmbH	6881	195.66.224.246	100G	Selective
2001:7f8:4::22bf:1				
300 Percent IT	20915	195.66.225.213	1G	Open
195.66.225.213				
 23M GmbH	47447	195.66.227.70	10G	Open
2001:7f8:4::b957:1				
 24Shells Inc	55061	195.66.227.116	10G	Open
2001:7f8:4::d729:1				
 31173 Services AB	39351	195.66.226.82	10G	Open
2001:7f8:4::99b7:1				
 4D Data Centres Ltd	31463	195.66.227.114	10G	Selective
2001:7f8:4::19a0:1				

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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From:

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

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