

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

efixxx

LINX LON1

Silver Sponsor

Peers
811

Connections
913

Open Peers
508

Total Speed
39.2T

% with IPv6
85

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

Terms

Not Disclosed

Last Updated

2020-06-29T07:53:16Z

Notes

used to be Juniper LAN

Contact Information

Company Website

<https://www.linx.net/>

Traffic Stats Website

<https://portal.linx.net/>

Technical Email

support@linx.net

Technical Phone

Policy Email

info@linx.net

Policy Phone

Sales Email

Sales Phone

Health Check

LAN

MTU

1500

IX-F Member Export URL

Private

Visibility

Peers at this Exchange Point

Filter

Peer Name IPv4	ASN IPv6	Speed	Policy
(as).networks	33920	2G	Selective
195.66.225.115	2001:7f8:4::8490:1		
01 Telecom (01.T)	201933	10G	Open
195.66.227.214	2001:7f8:4::3:14cd:1		
012 Smile Telecom	9116	10G	Open
195.66.225.114	2001:7f8:4::239c:1		
012 Smile Telecom	9116	10G	Open
195.66.226.60	2001:7f8:4::239c:2		
1&1 Versatel Deutschland GmbH	6681	100G	Selective
2001:7f8:4::22b1:1	195.66.224.245		
100 Percent IT	20915	1G	Open
195.66.225.213	2001:7f8:4::51b3:1		
23M GmbH	47447	10G	Open
2001:7f8:4::b957:1	195.66.227.70		
24Shellz Inc	55061	10G	Open
195.66.227.116	2001:7f8:4::d729:1		
31173 Services AB	38351	10G	Open
195.66.226.62	2001:7f8:4::99b7:1		
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://mail.bgp4all.com/pfs/peering-toolbox/the_peering_database?rev=1651812554

Last update: 2022/05/06 04:49

