

# 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

**LINX LON1** Silver Sponsor

Peers	811
Connections	913
Open Peers	908
Total Speed	38.2T
% 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
Tier	Not Disclosed
Last Updated	2020-06-29T07:53:16Z
Notes	used to be Juniper LAN

Translate

**Contact Information**

Company Website	<a href="https://www.linx.net/">https://www.linx.net/</a>
Traffic Stats Website	<a href="https://portal.linx.net/">https://portal.linx.net/</a>
Technical Email	<a href="mailto:support@linx.net">support@linx.net</a>
Technical Phone	
Policy Email	<a href="mailto:info@linx.net">info@linx.net</a>
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	ASN	Speed	Policy
IPv4	IPv6		
(as2) networks	33920	2G	Selective
195.66.225.115	2001:7f8:4::8400:1		
012 Telecom (011)	201603	10G	Open
2001:7f8:4::3:14cd:1	195.66.227.214		
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	6081	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	55081	10G	Open
2001:7f8:4::d729:1	195.66.227.116		
31173 Services AB	39351	10G	Open
2001:7f8:4::99b7:1	195.66.226.62		
4D Data Centres Ltd	31463	10G	Selective
2001:7f8:4::99b7:1	195.66.226.62		

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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