

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:

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peering-toolbox:the_peering_database https://bgp4all.com.au/pfs/peering-toolbox/the_peering_database?rev=1651812473

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

LINX LON1 Other Routes

Peers	Connections	Open Peers	Total Speed	% with IPv6
811	913	584	33.2T	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 2022-06-29T07:53:19Z
Notes used to be Juniper LAN Translate

Contact Information
Company Website <https://www.linx.net/>
Traffic Stats Website <https://portal.linx.net/>
Technical Email esupport@linx.net
Technical Phone
Policy Email info@linx.net
Policy Phone
Sales Email
Sales Phone
Health Check

LAN
MTU 1500
IXP Member Export UPL Private
Visibility

Peers at this Exchange Point Filter

Peer Name [I]	ASN [I]	Speed	Policy
isp1.noradns	33820	2G	Selective
195.68.225.115	2001:788:4::888:1		
01 Telecom (EET)	201903	19G	Open
2001:788:4::14a4:1	195.65.227.214		
022 Service Telecom	9116	19G	Open
195.68.225.114	2001:788:4::239c:1		
022 Service Telecom	9116	19G	Open
195.68.226.60	2001:788:4::239c:2		
1&1 Vermont	8881	100G	Selective
Deutsche Telekom	195.65.224.245		
2001:788:4::2261:1			
330 Farnham IT	20915	1G	Open
195.68.225.213	2001:788:4::51b3:1		
23M Global	43447	19G	Open
2001:788:4::8857:1	195.65.227.70		
24Stella Inc	56891	19G	Open
2001:788:4::0729:1	195.65.227.118		
31123 Services AB	36351	19G	Open
2001:788:4::5997:1	195.65.228.82		
4D Data Centre Ltd	31493	19G	Selective
407 407 407 407	407 407 407 407		

[Back to "What I need to Peer" page](#)

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