

PeeringDB



MENOG 6

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PeeringDB Admin
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Disclaimer

- Although we are employed by ICANN/DE-CIX, this presentation is unrelated to ICANN/DE-CIX
- The PeeringDB is not owned, operated, or in any way associated with ICANN/DE-CIX or any affiliation peeringDB admins work for, other than they may be participants in the DB - as are roughly 2300 other networks

What is PeeringDB?

<http://www.peeringdb.com/>

- The PeeringDB is an open repository for networks to store and communicate peering-related information
- Each network is responsible for the information in their own peering record
 - Even IXes are not allowed to add participants

PeeringDB Screen Shot

Navigation	Global System Statistics		Your User Account Status	
Home Page	Total Peering Networks	2275	Account Login	anipper
Logout	Total Public Exchange Points	296	Access Level	Level 5 (Administrator)
Your Records	Total Unique Public Exchange Presences	7962	Peering Record	DE-CIX Management GmbH
Peering Record	Total Private Facilities	681		
User Account	Total Unique Private Facility Presences	5537		
Search Records	Last 15 Updated Participants			
Networks	Company Name	ASN	Date Last Updated	
Exchange Points	ASDASD srl	28929	4/10/10, 08:21:22 AM GMT	
Facilities	Internet Operating Services LLC	3043	4/10/10, 02:15:56 AM GMT	
Common Points	AllTele Allmänna Svenska Telefonaktiebolaget	44581	4/9/10, 10:12:37 PM GMT	
Suggestions	NORDUnet A/S	2603	4/9/10, 07:18:37 PM GMT	
Comments	UARNet	3255	4/9/10, 07:12:56 PM GMT	
New Exchange	The unbelievable Machine Company	48173	4/9/10, 07:10:41 PM GMT	
New Facility	Integra	8723	4/9/10, 05:01:04 PM GMT	
Administrative	SoftLayer Technologies, Inc.	36351	4/9/10, 04:50:33 PM GMT	
Pending Approval	MessageLabs Ltd	21345	4/9/10, 02:33:10 PM GMT	
Add Exchange	Globalcom Ltd.	42979	4/9/10, 01:10:38 PM GMT	
Add Facility	JSC Didigital Network	12695	4/9/10, 08:39:27 AM GMT	
Add Network	SWU TeleNet GmbH	48284	4/9/10, 07:11:52 AM GMT	
User Search	BandCon	26769	4/8/10, 11:37:03 PM GMT	
Help	China Telecom	4134	4/8/10, 10:28:38 PM GMT	
FAQ	Gemeente Heerlen	38915	4/8/10, 07:59:28 PM GMT	

PeeringDB Screen Shot

Company Information		Public Peering Exchange Points			
Company Name	Akamai Technologies	Exchange Point Name	ASN	IP Address ▾	Mbit/sec
Also Known As	12222	SwissIX	20940	91.206.52.56	1000
Company Website	http://www.akamai.com/	WORK-IX	20940	80.81.203.168	10000
Primary ASN	20940	ALP-IX	20940	80.81.202.168	1000
IRR Record	AS-AKAMAI	DE-CIX	20940	80.81.192.28	80000
Network Type	Content	DE-CIX	20940	80.81.192.168	40000
Approx Prefixes	25	PaNAP	20940	62.35.254.86	10000
Traffic Levels	1 Tbps+	BBIX	20940	218.100.6.22	1000
Traffic Ratios	Heavy Outbound	JPIX	20940	210.171.224.201	10000
Geographic Scope	Global	JPIX	20940	210.171.224.197	10000
Looking Glass URL		SIX	20940	206.81.80.113	20000
Route Server URL		CoreSite - Any2 California	20940	206.223.143.82	20000
Notes		Equinix Newark	20940	206.223.131.102	10000
Protocols Supported	Unicast IPv4 <input checked="" type="checkbox"/> Multicast <input type="checkbox"/> IPv6 <input checked="" type="checkbox"/>	1 2 3 4 5 of 5 Next Last >>			
Date Last Updated	2010-04-04 04:46:34 UTC	Private Peering Facilities			
		Facility Name	ASN	City	Country SONET Ethr ATM

PeeringDB Screen Shot

Protocols Supported	Unicast IPv4 <input checked="" type="checkbox"/> Multicast <input type="checkbox"/> IPv6 <input checked="" type="checkbox"/>	1 2 3 4 5 of 5 Next > Last >>						
Date Last Updated	2010-04-04 04:46:34 UTC	Private Peering Facilities						
Peering Policy Information		Facility Name	ASN	City	Country	SONET	Ethr	ATM
Peering Policy URL	http://www.akamai.com/peering/	151 Front Street West Toronto	20940	Toronto	CA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
General Policy	Open	Coresite Bay Area (55)	20940	San Jose	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Multiple Locations	Not Required	CoreSite Los Angeles (One Wilshire)	20940	Los Angeles	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ratio Requirement	No	Equinix Ashburn (DC1-DC5)	20940	Ashburn	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Contract Requirement	Not Required	Equinix Chicago (CH1/CH2)	20940	Chicago	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Contact Information		Equinix Dallas (DA1)	20940	Dallas	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Role	Contact Name	Telephone	E-Mail					
NOC	NOC	+1 617 444-3007	noc@akamai.com					
Technical	Network Engineering	+1 617 444-3007	peering@akamai.com					
Policy	Peering Coordinator	+1 617 444-2839	peering@akamai.com					
		Equinix Hong Kong	20940	Hong Kong	HK	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Equinix Los Angeles (LA1)	20940	Los Angeles	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Equinix Newark (NY1)	20940	Newark	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Equinix San Jose (SV1)	20940	San Jose	US	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Equinix Zurich 2	20940	Zurich	CH	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Global Switch (Amsterdam)	20940	Amsterdam	NL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		1 2 3 of 3 Next > Last >>						

PeeringDB & Spam

- Footer on every page of PeeringDB:

NOTE: Sending Unsolicited Commercial Emails to contacts mined from PeeringDB will result in a ban and public embarrassment.

- Please report all spam to admin@peeringDB

What is PeeringDB?

- PeeringDB allows a network to register peering locations, speeds, IP addresses, policies, traffic, ratio, contact information, etc.
- There is a finger server, whois server, and open URLs
 - `finger as20940@peeringdb.com`
 - `whois -h peeringdb.com as20940`
 - `http://as20940.peeringdb.com/`
- Some networks require a PeeringDB record to bring up a peering session

What is PeeringDB?

- Registration is free
- For networks doing “settlement free peering”
- Any network which is peering (private or public peering) is granted an account
 - No exceptions
 - Accounts can be revoked for abuse (e.g. sales staff spamming other members)
- Goal is to have every network peering anywhere in the world into the DB

PeeringDB Independence

- PeeringDB works hard to avoid bias or even the appearance of bias
- Independence is critical to the users of the DB
- Makes it difficult to accept donations of money
- Doesn't mean we are not looking for help!

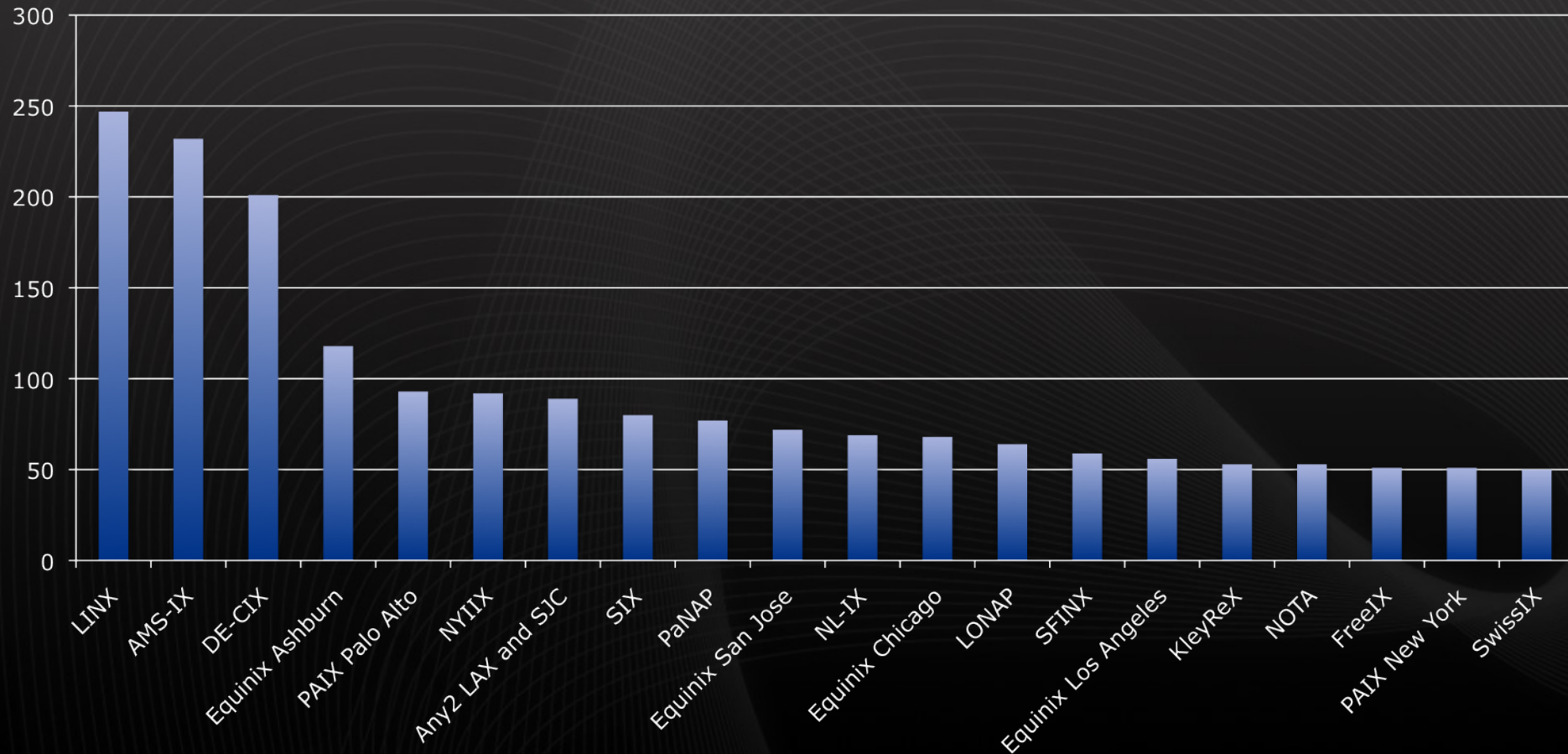
Who is PeeringDB?

- The PeeringDB is a 100% volunteer-driven organization
 - No money from anyone
- Richard Steenbergen wrote the database
- Running on donated hardware
- Server Central supplies the network connectivity
- Admin team:

Adam Rothschild, Alexander Koch, Arnold Nipper, Charly Gucker, Eric Bell, Jake Chin, Joel Krauska, Josh Snowhorn, Martin Hannigan, Mehmet Akcin, Michael Lucking, Nathan Hickson, Patrick Gilmore, Randy Epstein, Ren Provo, Richard Steenbergen, Stephen Wilcox, Terry Rodery, Tom Scholl

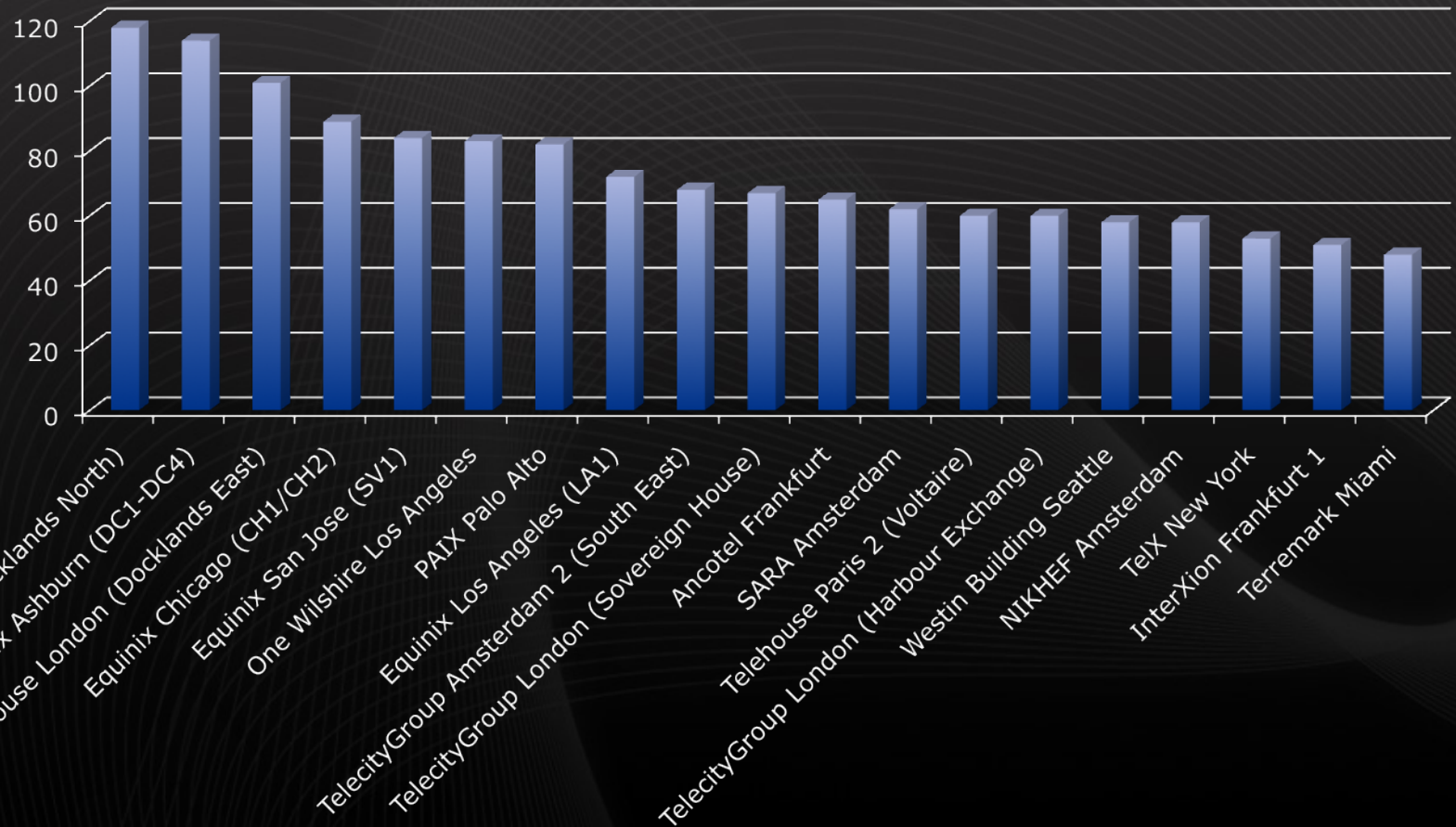
Who is PeeringDB?

- Top 20 IXes by participants (09/2008)



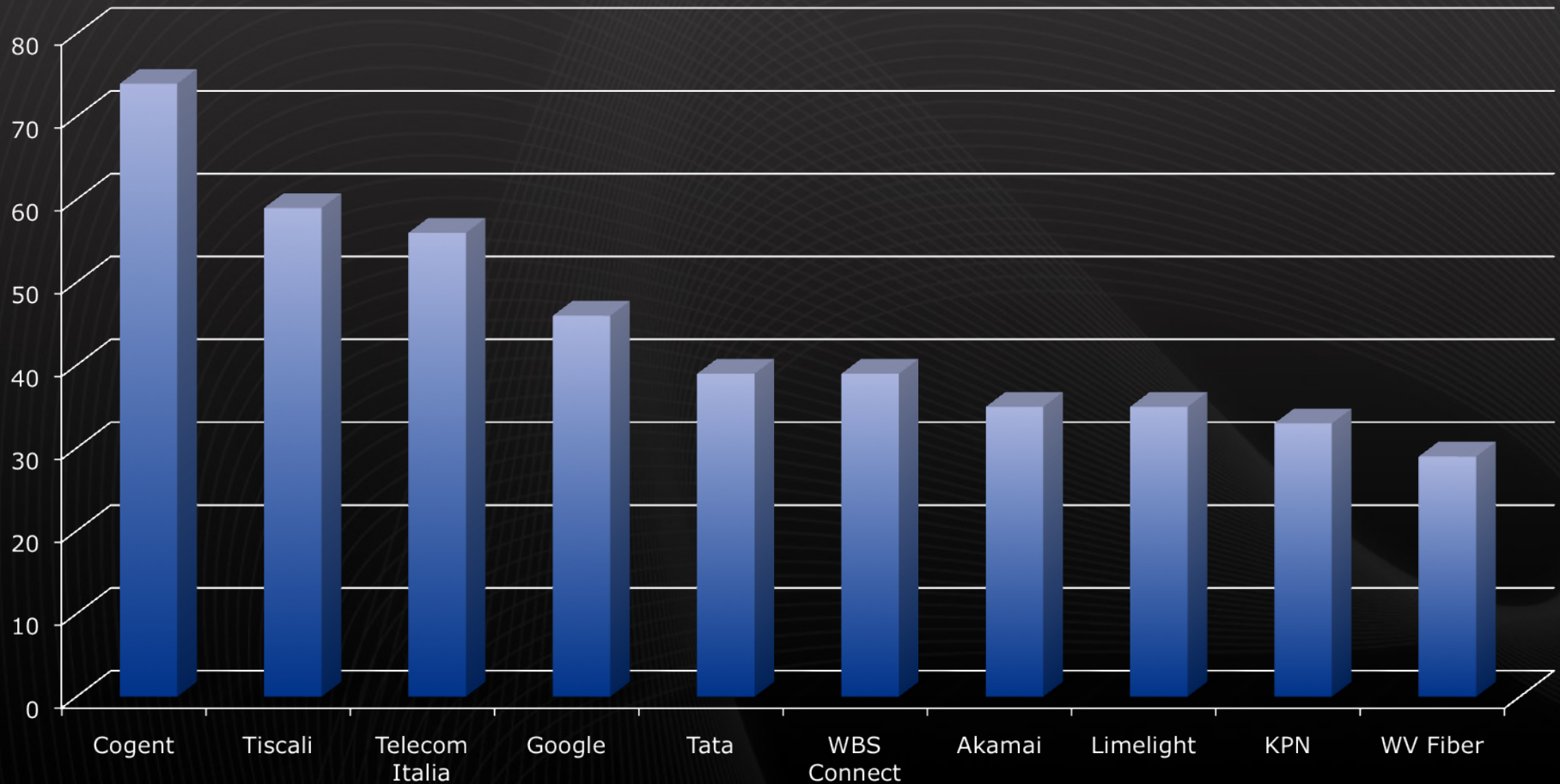
Who is PeeringDB?

- Top 20 colocation facilities by participants (09/2008)



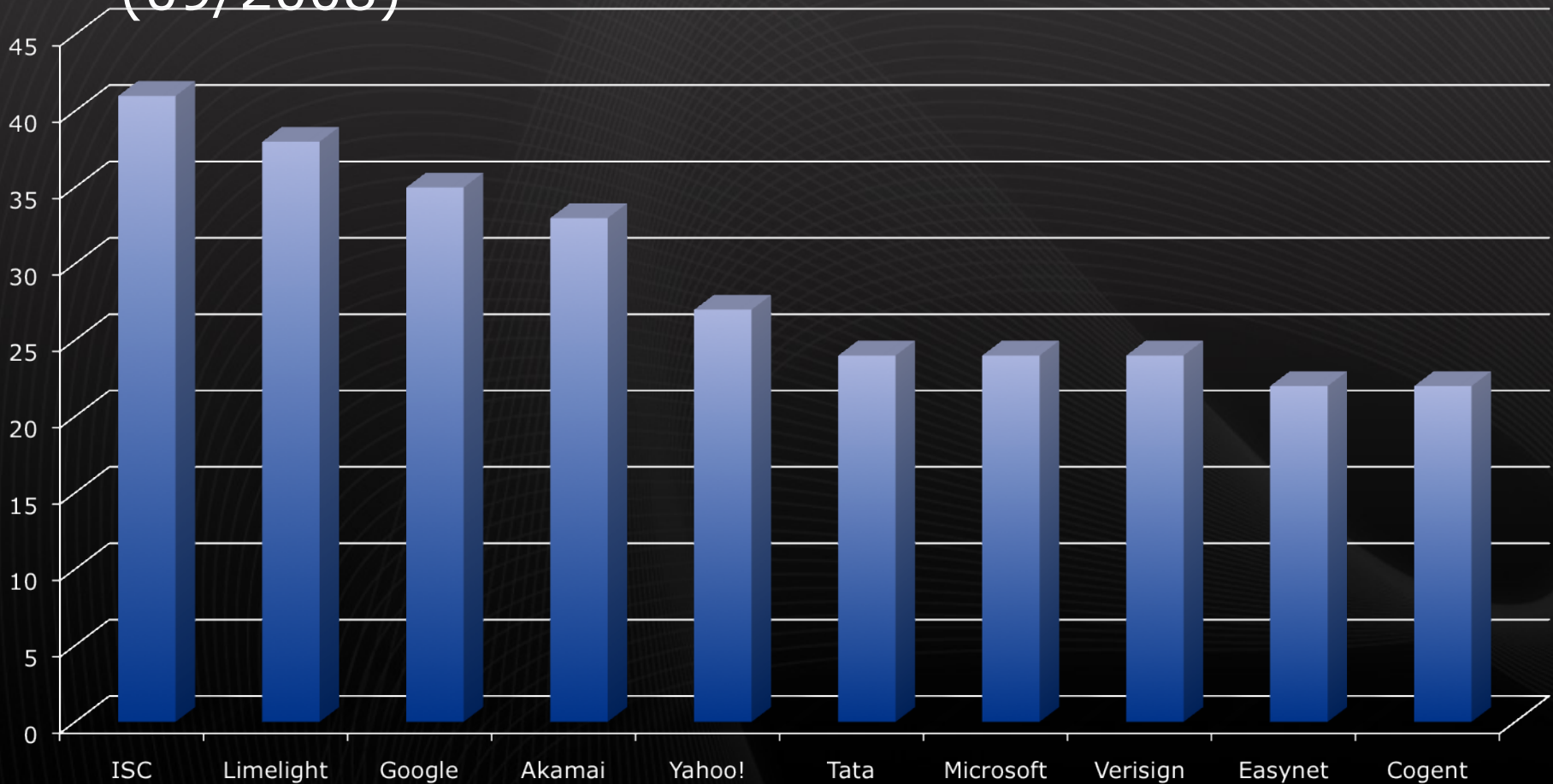
Who is PeeringDB?

- Top 10 networks by facility count (09/2008)



Who is PeeringDB?

- Top 10 networks by public peering point count (09/2008)



PeeringDB2.0

- IXP/Colo operators have their own accounts to manage IXP/colo records
 - Limited to info about the IXP/Colo, not members or customers
- Per Network admin accounts
 - Add / modify / delete own accounts
- Multiple ASN's per account

PeeringDB2.0

- Contact info not available to guest account
 - No more trolling for leads by non-members
- Better IPv6 & multiple IP support
 - e.g. ability to search for an IPv6 address
- AS32 support
- RFS 2010-08-01



Questions

- Questions?