PeeringDB

MENOG 6

Mehmet Akcin / Arnold Nipper
PeeringDB Admin
April 14, 2010

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

PeeringDB Screen Shot

Company Information	
Company Name	Akamai Technologies
Also Known As	12222
Company Website	http://www.akamai.com/
Primary ASN	20940
IRR Record	AS-AKAMAI
Network Type	Content
Approx Prefixes	25
Traffic Levels	1 Tbps+
Traffic Ratios	Heavy Outbound
Geographic Scope	Global
Looking Glass URL	
Route Server URL	
Notes	
Protocols Supported	Unicast IPv4 ☑ Multicast ☐ IPv6 ☑
Date Last Updated	2010-04-04 04:46:34 UTC

Public Peering Exchange Points			
Exchange Point Name	**ASN**	**IP Address** ∨	**Mbit/sec**
SwissIX	20940	91.206.52.56	1000
WORK-IX	20940	80.81.203.168	10000
ALP-IX	20940	80.81.202.168	1000
DE-CIX	20940	80.81.192.28	80000
DE-CIX	20940	80.81.192.168	40000
PaNAP	20940	62.35.254.86	10000
BBIX	20940	218.100.6.22	1000
JPIX	20940	210.171.224.201	10000
JPIX	20940	210.171.224.197	10000
SIX	20940	206.81.80.113	20000
CoreSite - Any2 California	20940	206.223.143.82	20000
Equinix Newark	20940	206.223.131.102	10000

1 2 3 4 5 of 5 Next ➤ Last ≫

Private Peering Facilities						
Facility Name	**ASN**	**City**		**Country**	**SONET**	**Ethr** **ATM**

PeeringDB Screen Shot

Protocols Supported	Unicast IPv4 ☑ Multicast ☐ IPv6 ☑
Date Last Updated	2010-04-04 04:46:34 UTC
Peering Policy Information	
Peering Policy URL	http://www.akamai.com/peering/
General Policy	Open
Multiple Locations	Not Required
Ratio Requirement	No
Contract Requirement	Not Required
Contact Information	

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

1 2 3 4 5 of 5 Next> Last≫

Private Peering Facilities

Facility Name	ASN	City	Country	SONET	Ethr	ATM
151 Front Street West Toronto	20940	Toronto	CA	☐	☑	☐
Coresite Bay Area (55)	20940	San Jose	US	☐	☑	☐
CoreSite Los Angeles (One Wilshire)	20940	Los Angeles	US	☐	☑	☐
Equinix Ashburn (DC1-DC5)	20940	Ashburn	US	☐	☑	☐
Equinix Chicago (CH1/CH2)	20940	Chicago	US	☐	☑	☐
Equinix Dallas (DA1)	20940	Dallas	US	☐	☑	☐
Equinix Hong Kong	20940	Hong Kong	HK	☐	☑	☐
Equinix Los Angeles (LA1)	20940	Los Angeles	US	☐	☑	☐
Equinix Newark (NY1)	20940	Newark	US	☐	☑	☐
Equinix San Jose (SV1)	20940	San Jose	US	☐	☑	☐
Equinix Zurich 2	20940	Zurich	CH	☐	☑	☐
Global Switch (Amsterdam)	20940	Amsterdam	NL	☐	☑	☐

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 embarassment.

- 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
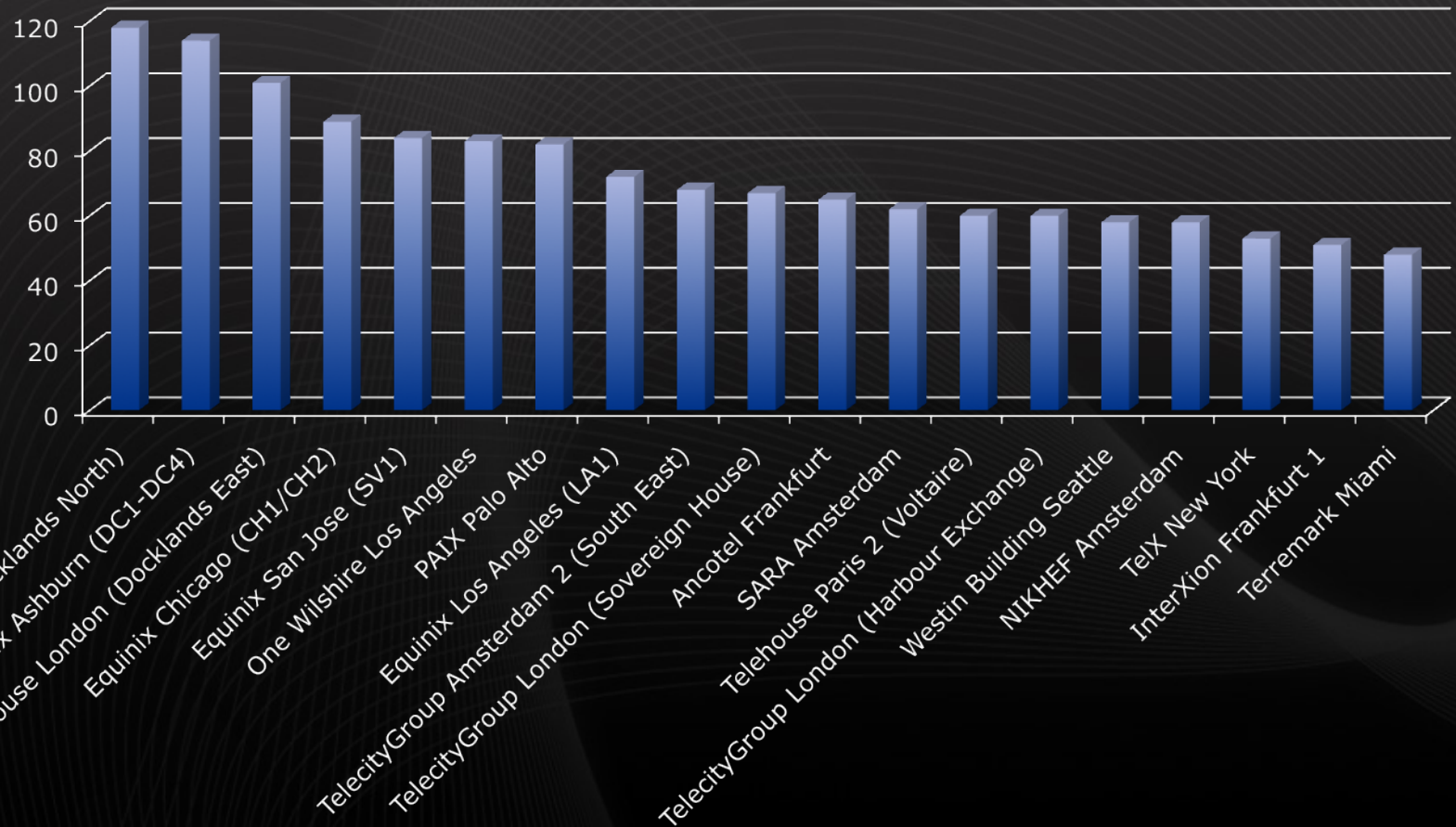
Who is PeeringDB?

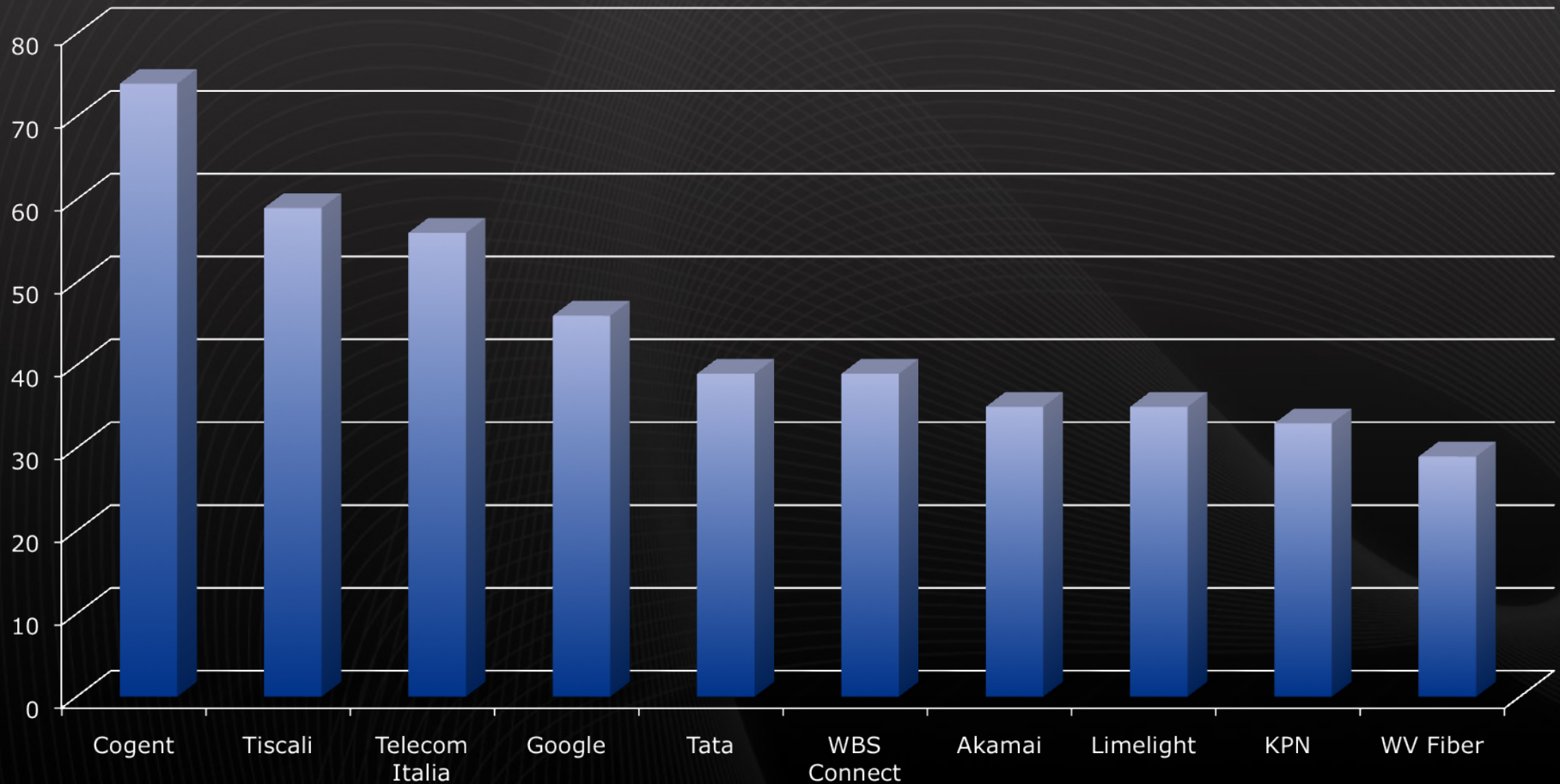- Top 20 IXes by participants (09/2008)
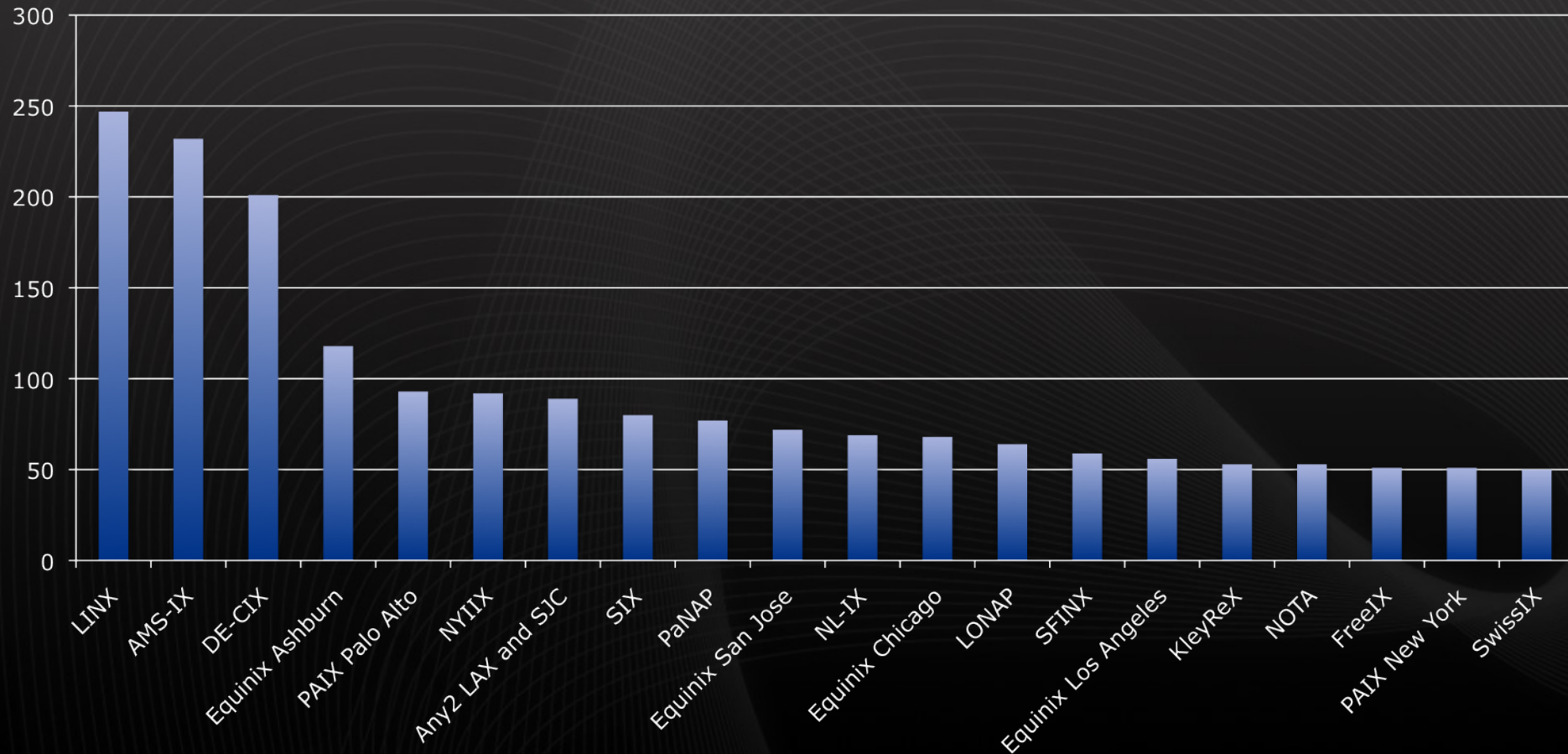
Who is PeeringDB?

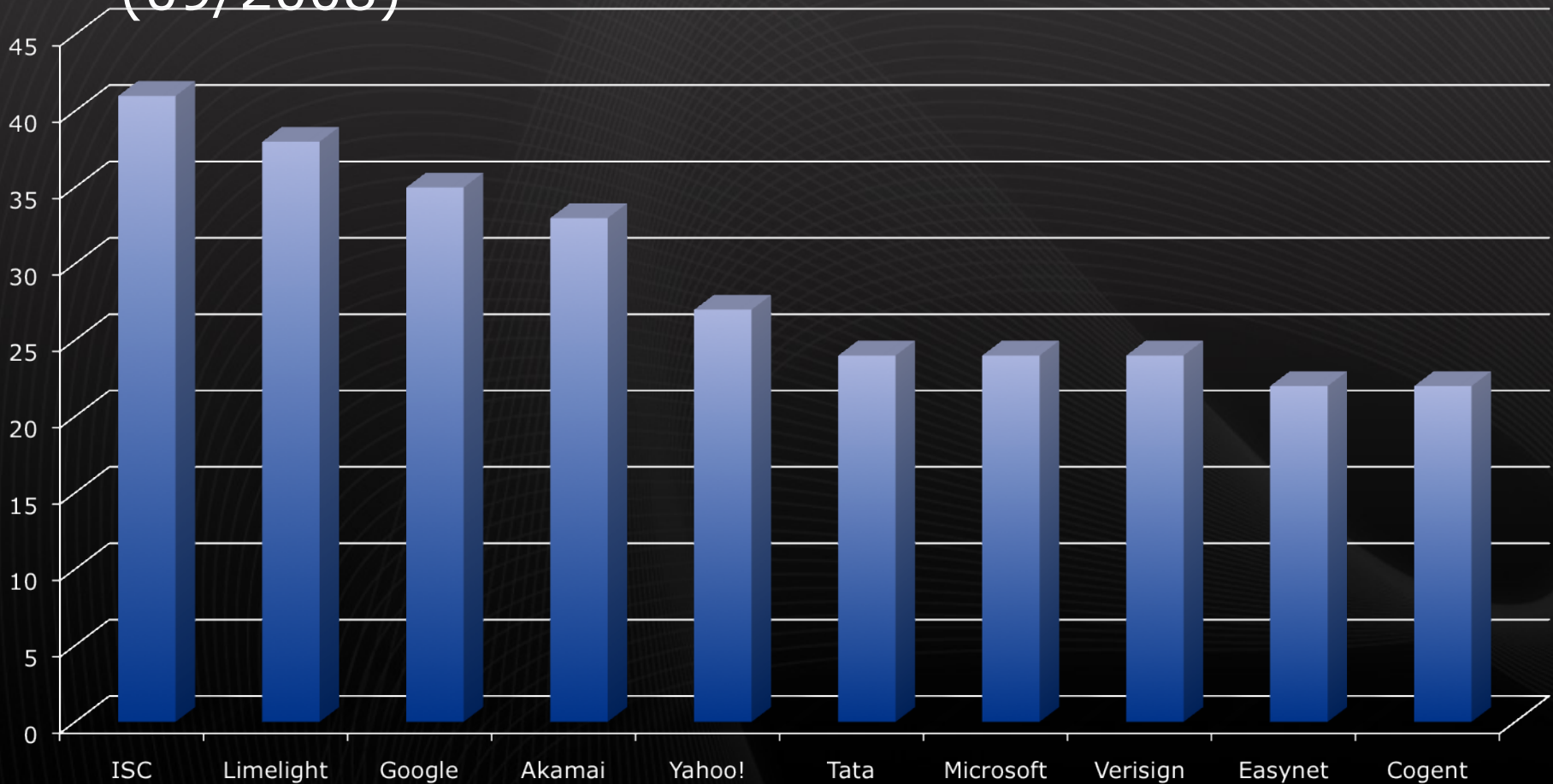- Top 20 colocation facilities by participants (09/2008)

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?