

PeeringDB



MENOG 6

Mehmet Akcin
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 | 26929 | 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 | NORUnet 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 | ZSC 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 Haerlen | 36915 | 4/8/10, 07:59:28 PM GMT | |

PeeringDB Screen Shot

| Company Information | |
|----------------------------|--|
| Company Name | L-ROOT |
| Also Known As | l.root-servers.net |
| Company Website | http://l.root-servers.org |
| Primary ASN | 20144 |
| IRR Record | AS-LROOT |
| Network Type | Non-Profit |
| Approx Prefixes | 2 |
| Traffic Levels | 100-1000Mbps |
| Traffic Ratios | Mostly Outbound |
| Geographic Scope | Global |
| Looking Glass URL | |
| Route Server URL | |
| Notes | <p>This is the AS Number dedicated for L-Root operated by ICANN DNS Operations team.</p> <p>We are being advertised by various ASN in different exchange points across Europe. Please peer with those ASN directly if you are interested in reaching L-Root.</p> |
| Protocols Supported | Unicast IPv4 <input checked="" type="checkbox"/> Multicast <input type="checkbox"/> IPv6 <input checked="" type="checkbox"/> |
| Date Last Updated | 2010-03-22 04:02:08 UTC |
| Peering Policy Information | |
| Peering Policy URL | http://l.root-servers.org/peering.php |
| General Policy | Selective |
| Multiple Locations | Not Required |
| Ratio Requirement | No |
| Contract Requirement | Not Required |

PeeringDB Screen Shot

| Public Peering Exchange Points | | | | | | |
|---|-------|-------------------------|----------|--------------------------|-------------------------------------|--------------------------|
| Exchange Point Name | ASN | IP Address | Mbit/sec | | | |
| AMS-IX | 29208 | 195.69.144.172:20144 | 1000 | | | |
| ECIX Berlin | 29208 | 194.9.117.30 | 1000 | | | |
| ECIX Duesseldorf | 29208 | 194.9.117.30:20144 | 1000 | | | |
| ECIX Hamburg | 29208 | 193.42.155.14 | 1000 | | | |
| Equinix Los Angeles | 20144 | 206.223.123.46 | 10000 | | | |
| Equinix Los Angeles | 20144 | 2001:504:0:3:0:2:0144:1 | 10000 | | | |
| ISTIX / IST-IX | 20144 | Coming Soon | 1000 | | | |
| LINX Brocade LAN | 29208 | 195.66.225.77:20144 | 1000 | | | |
| MINAP Milan | 34695 | 92.60.70.76:20144 | 100 | | | |
| MIX-IT | 34695 | 217.29.66.36:20144 | 100 | | | |
| NaMeX | 34695 | 193.201.28.36:20144 | 100 | | | |
| NIX CZ | 20144 | 194.50.100.213 | 10000 | | | |
| 1 2 of 2 Next > Last >> | | | | | | |
| Private Peering Facilities | | | | | | |
| Facility Name | ASN | City | Country | SONET | Ethr | ATM |
| Equinix El Segundo (LA3) | 20144 | El Segundo | US | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equinix Los Angeles (LA1) | 20144 | Los Angeles | US | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Equinix Los Angeles (LA2) | 20144 | Los Angeles | US | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| GTS Telehouse Prague | 20144 | Prague | CZ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Pragonet Telehouse Prague | 20144 | Prague | CZ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sitel Prague | 20144 | Prague | CZ | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Terremark Miami | 20144 | Miami | US | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

PeeringDB Screen Shot

| Contact Information | | | |
|----------------------------|---------------------------|------------------|-----------------------|
| <u>Role</u> | Contact Name | Telephone | E-Mail |
| Technical | Mehmet Akcin | +1.310.301.5810 | mehmet@icann.org |
| Policy | Joe Abley | +1.310.578-8673 | joe.abley@icann.org |
| NOC | Network Operations Centre | +1.310.301.5817 | network@dns.icann.org |
| Technical | Peering | +1.310.301.5817 | peering@dns.icann.org |

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](mailto: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 as20144@peeringdb.com
 - whois -h peeringdb.com as20144
 - <http://as20144.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!

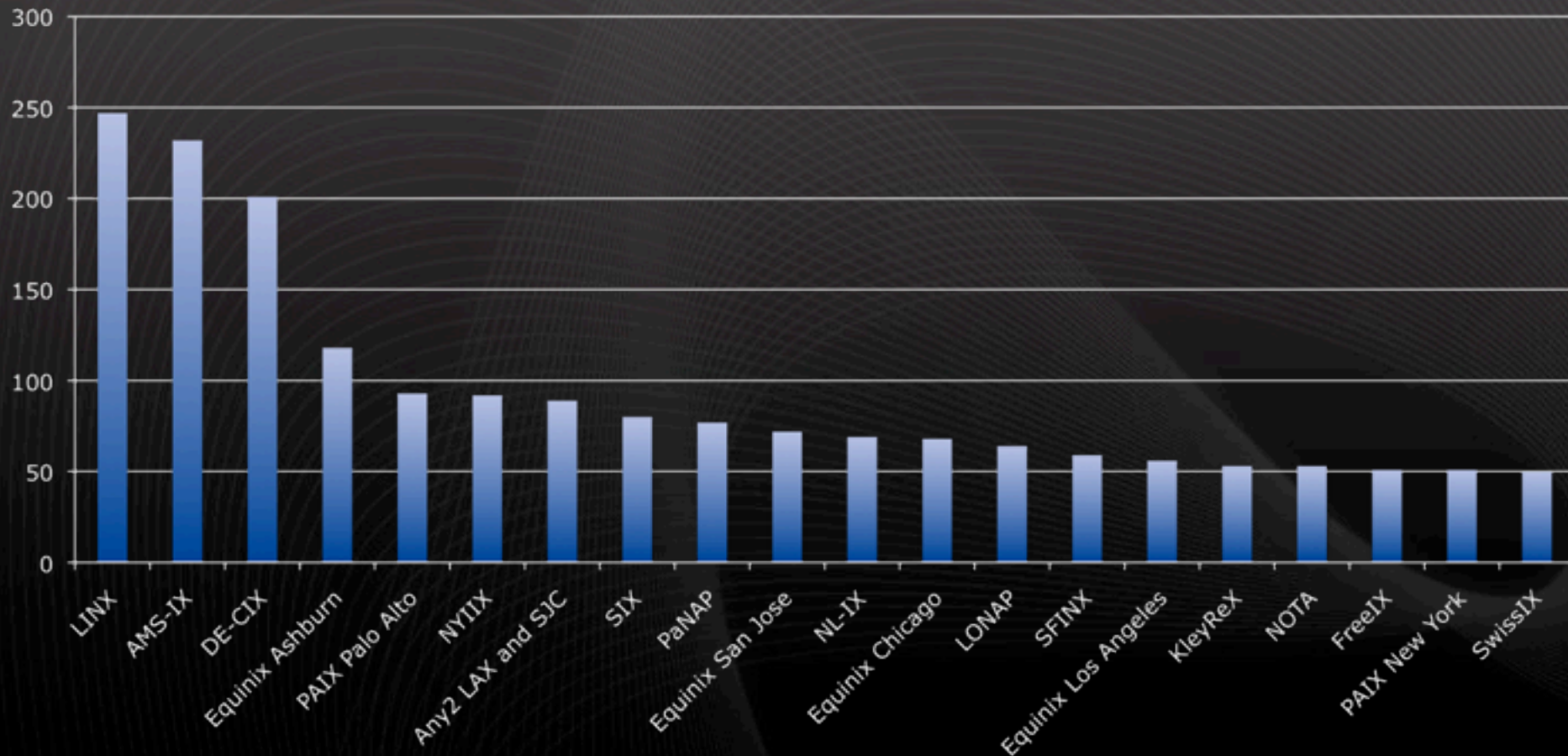
Who is PeeringDB?

- 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

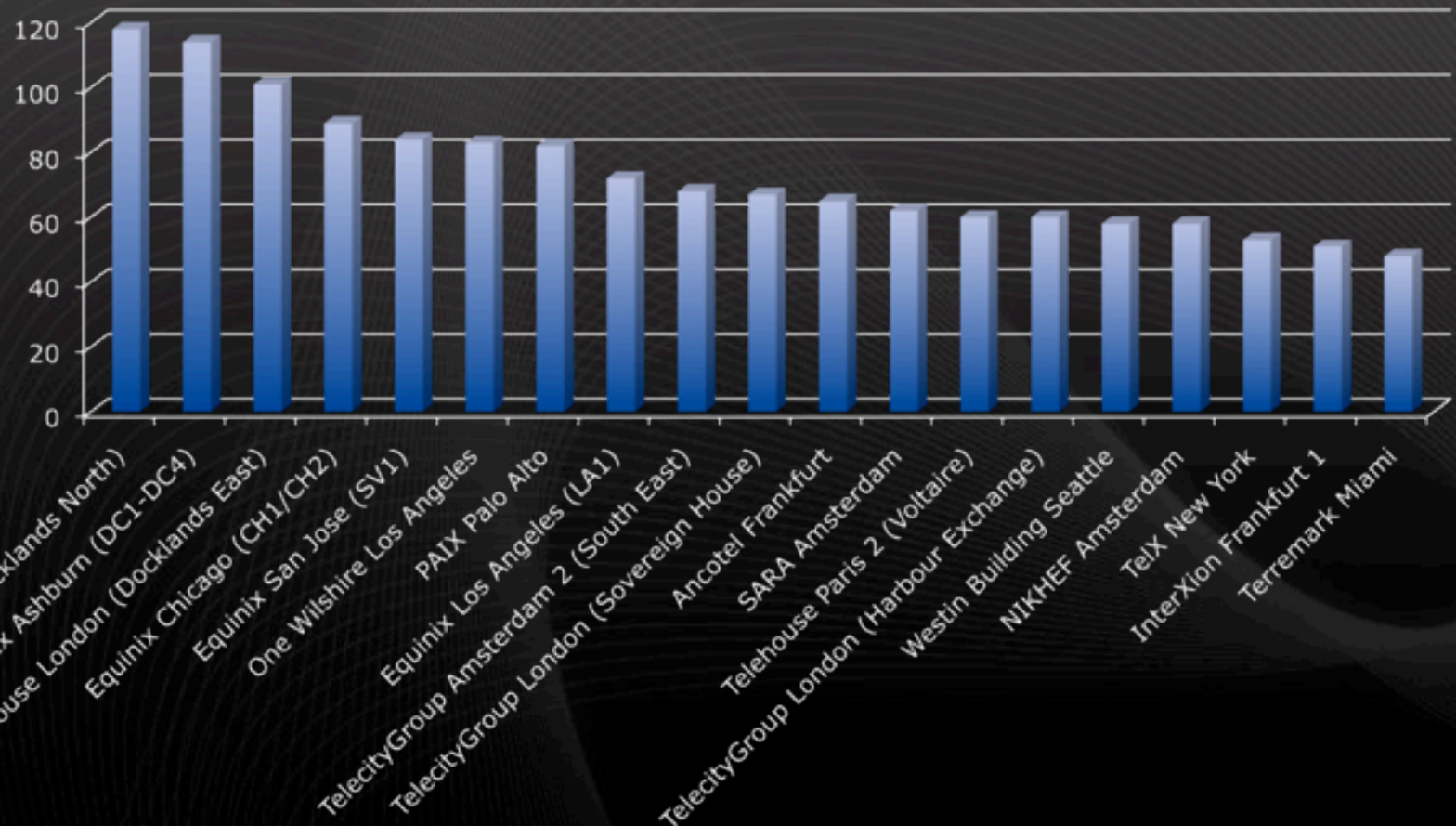
Who is PeeringDB?

- Top 20 IXes by participants (09/2008)



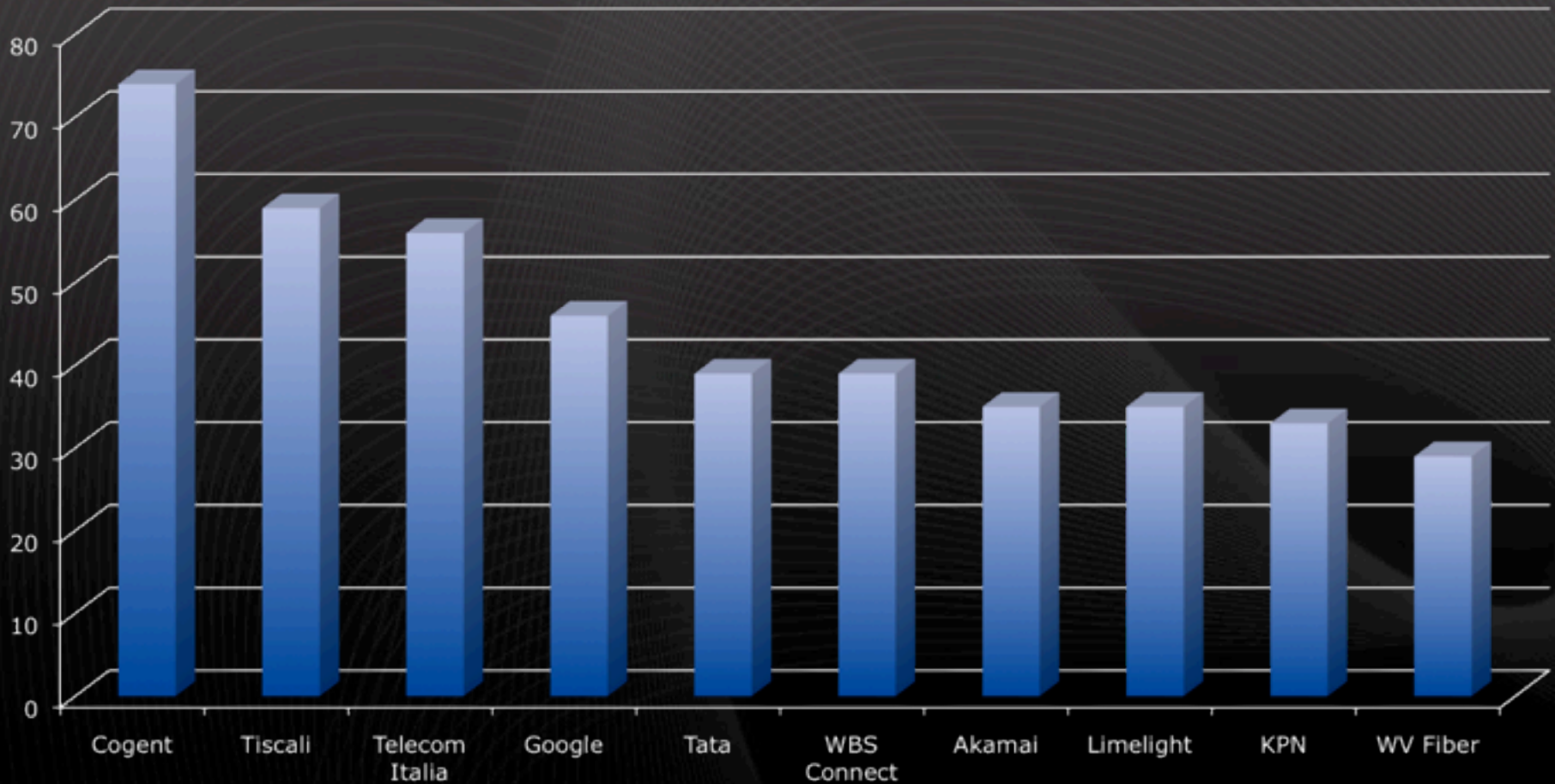
Who is PeeringDB?

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



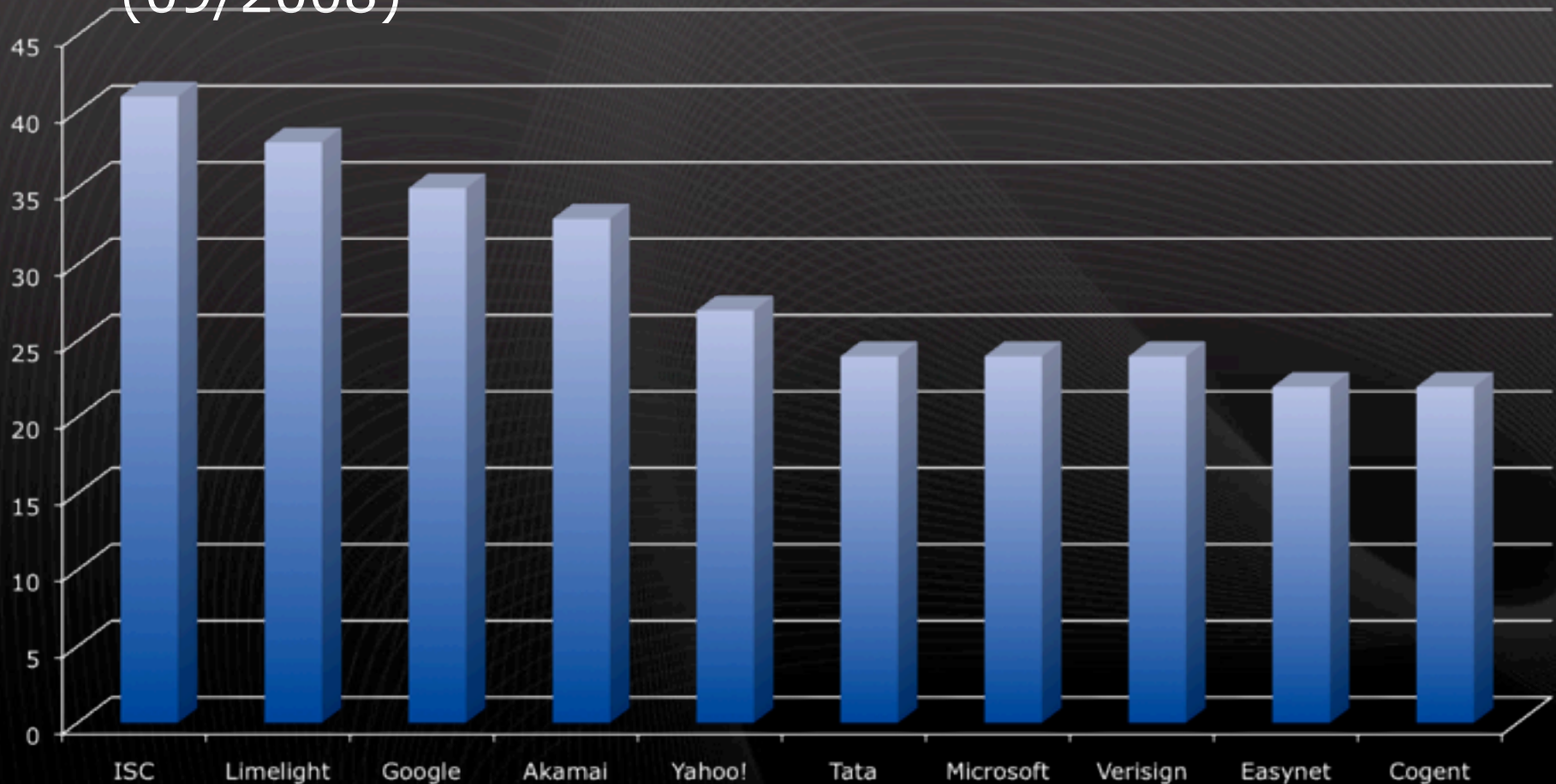
Who is PeeringDB?

- 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?