



PeeringDB Update

SANOG

South Asian Network Operators Group
A non-profit forum for Data Network Operators in South Asia

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Agenda

1. What is PeeringDB
2. Tutorial

What is PeeringDB?

Mission statement: “PeeringDB, a nonprofit member-based organization, facilitates the exchange of user maintained interconnection related information, primarily for Peering Coordinators and Internet Exchange, Facility, and Network Operators.”

- A PeeringDB record makes it easy for people to find you, and helps you to establish peering
- If you aren't registered in PeeringDB, you can register at <https://www.peeringdb.com/register>
- We use basic verification for new accounts and require current whois information, so please
 - Update and maintain your whois information
 - Register from a company email address



Governance and Membership

- PeeringDB is a United States 501(c)(6) volunteer organization that is 100% funded by sponsorships
- Healthy organization, building financial reserves and executing the long term strategic plan
- Membership rules
 - A corporation, limited liability company, partnership or other legal business entity may be a Member of the Corporation
 - Membership is determined by having both an active PeeringDB.com account and an individual representative or role subscription to the PeeringDB Governance mailing list
 - 327 addresses subscribed to the Governance mailing list (as of 25 Apr, 2017)
 - Governance list is at <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
 - More information available at <http://gov.peeringdb.com/>

Committees

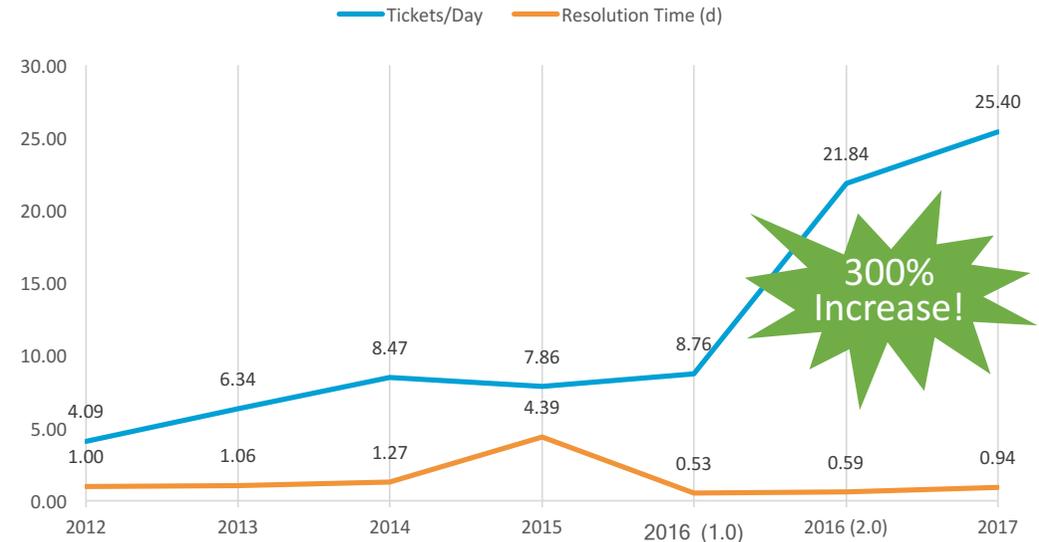
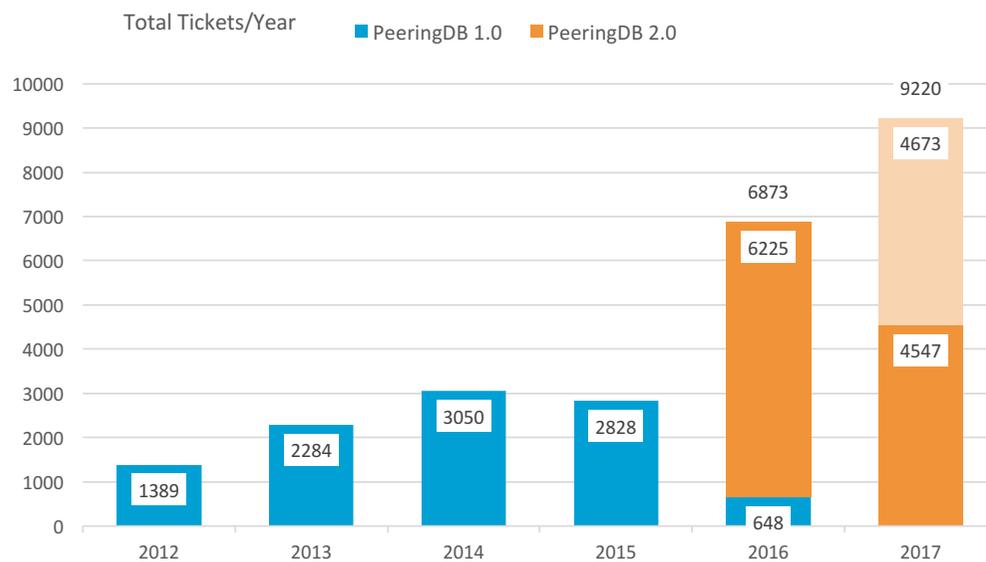
Admin Committee

- Manage administration of user accounts and PeeringDB records
- Answer support tickets
- Board members Job Snijders (Chair) and Arnold Nipper (Vice Chair)
- Language experience is helpful
- Contact: admincom@lists.peeringdb.com

Product Committee

- Ask for input from the community on desired features
- Manage roadmap and development priorities
- Write SoWs to solicit bids to complete requested features
- Board members Aaron Hughes (Chair) and Matt Griswold (Vice Chair)
- Contact: productcom@lists.peeringdb.com

Support Ticket Statistics



- Admin Committee volunteers are based around the world in a variety of time zones
- Goal is to resolve support tickets within 24 hours

Agenda

1. What is PeeringDB
2. Tutorial

Register or Request Affiliation to an Existing Organization

PeeringDB Search here for a network, IX, or facility. ghankins ☰

[Advanced Search](#)

You have confirmed your email address!

2. Confirm Email Address
(Click Here if not Confirmed)

3. Enter ASN or Organization Here
Autocomplete on Existing ASNs and Organizations in PeeringDB

Affiliate with organization

To affiliate with an existing organization, please enter the ASN or organization name below.

To register a new network organization, please enter the ASN and organization name below.

To register a new facility or exchange organization, please enter the organization name below (ASN is optional).

ASN

Organization

Affiliate

Existing affiliations

Your affiliation with [Nokia IP/Optical Networks Labs](#) has been approved.

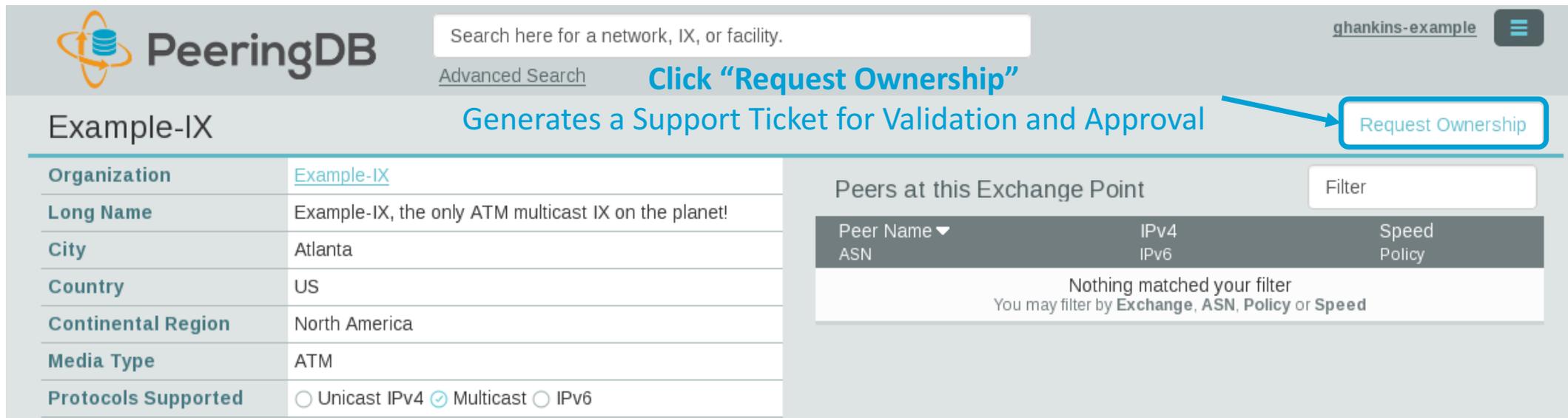
1. Go to Your Profile

4. Click "Affiliate"
Existing: Organization Admin Needs to Approve
New: Generates a Support Ticket for Validation and Approval

[Profile](#)
[Logout](#)

Request Ownership of an Existing Organization

- Network records should already have an organization admin copied from PeeringDB 1.0
- Facility and exchange records will need to have an organization admin assigned



The screenshot shows the PeeringDB interface for an organization record. The header includes the PeeringDB logo, a search bar, and the user 'ghankins-example'. A blue arrow points from the text 'Click "Request Ownership"' to a button labeled 'Request Ownership' in a blue-bordered box. Below the header, the organization details are listed in a table, and a section for 'Peers at this Exchange Point' is shown with a filter box and a message indicating no results.

Search here for a network, IX, or facility. ghankins-example

[Advanced Search](#) **Click "Request Ownership"**

Example-IX **Generates a Support Ticket for Validation and Approval** **Request Ownership**

Organization	Example-IX
Long Name	Example-IX, the only ATM multicast IX on the planet!
City	Atlanta
Country	US
Continental Region	North America
Media Type	ATM
Protocols Supported	<input type="radio"/> Unicast IPv4 <input checked="" type="radio"/> Multicast <input type="radio"/> IPv6

Peers at this Exchange Point

Peer Name ▼ ASN	IPv4 IPv6	Speed Policy
Nothing matched your filter You may filter by Exchange, ASN, Policy or Speed		

Multiple Records Under a Single Organization

LINX Silver Sponsor

Website	https://www.linx.net
Address 1	The London Internet Exchange Ltd
Address 2	5th Floor, 24 Monument Street
Location	London, , EC3R 8AJ
Country Code	GB

Facilities Filter

Name	Country	City
IXCardiff	United Kingdom	Cardiff

Networks Filter

Name	ASN
LINX NoVA (LINX USA Inc.)	21919
LINX Route Servers	8714
London Internet Exchange (LINX)	5459

Exchanges Filter

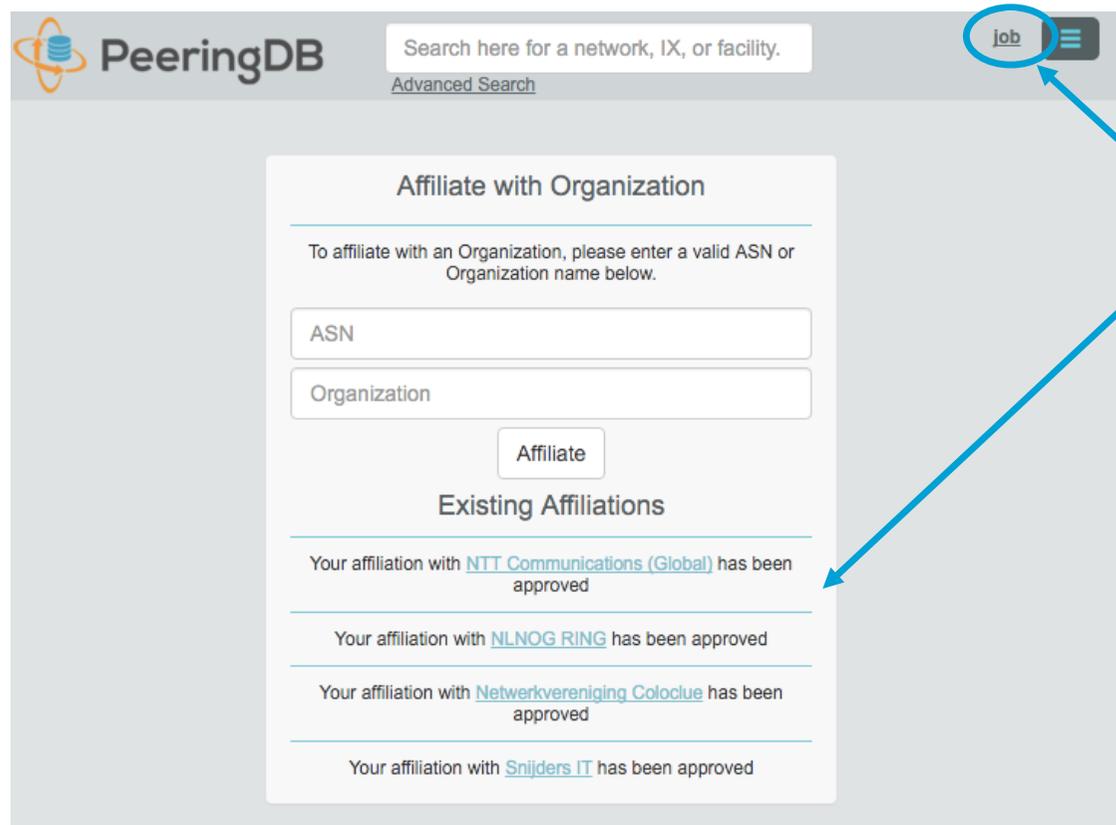
Name	Country	City
IXCardiff	United Kingdom	Cardiff
IXManchester	United Kingdom	Manchester
IXScotland	United Kingdom	Scotland
LINX LON1	United Kingdom	London
LINX LON2	United Kingdom	London
LINX NoVA	United States of America	Northern Virginia

Facilities are Shown Here
LINX has 1 Facility

Networks are Shown Here
LINX has 2 Network Records

Exchanges are Shown Here
LINX has 6 Exchange Records

One Account Managing Multiple Organizations



The screenshot shows the PeeringDB website interface. At the top left is the PeeringDB logo. To its right is a search bar with the text "Search here for a network, IX, or facility." and a link for "Advanced Search". In the top right corner, the user's account name "job" is displayed next to a hamburger menu icon. The main content area is titled "Affiliate with Organization" and contains a form with two input fields: "ASN" and "Organization", followed by an "Affiliate" button. Below this form is a section titled "Existing Affiliations" which lists four approved affiliations:

- Your affiliation with [NTT Communications \(Global\)](#) has been approved
- Your affiliation with [NLNOG RING](#) has been approved
- Your affiliation with [Netwerkvereniging Coloclue](#) has been approved
- Your affiliation with [Snijders IT](#) has been approved

Account "job" is
Affiliated with 4
Organizations

Organization User Management

Manage

[Add Facility](#) [Add Network](#) [Add Exchange](#) **Users** [Permissions](#)

Approve or Deny Pending Requests

Delegate Permissions for Members
Admins Have Access to Everything

Users requesting affiliation

Name	Email	Date
User	Confirmed	

Currently no users requesting affiliation with Nokia IP/Optical Networks Labs

Users in Organization

Name	Email	Group	
User			
Greg Hankins ghankins	greg.hankins@alcatel-lucent.com	admin member admin	Remove Save

Change User Access Levels
Admin – Administrator
Member – Delegate Permissions

Remove Users From the Organization
Does not Remove the User Account From PeeringDB

Administrative Permission Delegation

User “equinix-uk” can Manage Several Network Records, but no Exchanges or Facilities

Paul Cairney <paul.cairney@eu.equinix.com> equinix-uk		Create	Update	Delete	
<input checked="" type="checkbox"/> Network - Equinix Netherlands		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Network - Equinix UK		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Network - Equinix Germany		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Network - Equinix France		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Network - Equinix Switzerland		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Any Exchange		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add

Create – New Entries in Record
Update – Change Existing Entries in Record
Delete – Delete Entries in Record

Raphael Ho <raphael.ho@ap.equinix.com> rho		Create	Update	Delete	
<input checked="" type="checkbox"/> Network - Equinix Connect		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Any Exchange		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Any Facility		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Any Exchange		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add

User “rho” can Manage the “Equinix Connect” Network Record, and Any Exchange or Facility

Network Record Contact Information Permissions

Contact Information

Role	Name	Phone
	Visibility	E-Mail
<input checked="" type="checkbox"/> NOC	Greg Hankins, Alastair	
	Users	as38016@alcatel-lucent.com
<input checked="" type="checkbox"/> Technical	Greg Hankins, Alastair	
	Users	as38016@alcatel-lucent.com

Role: Abuse

Name:

Email: name@example.com

Phone:

Visibility: Private

- Private
- Users
- Public

Separate Visibility Preferences for Each Role

Private – Organization Only (Default)

Users – Registered Users Only

Public – Anyone (no Login Required)

Roles:

Abuse

Policy

Technical

NOC

Public Relations

Sales

Adding Your Network to an IXP or Facility

1. Go to your network record and click on “Edit”
2. Start to type in the name of the IXP and select the IXP
3. If the IXP is missing, contact PeeringDB support
4. Add your IP addresses, port speed, and click the “RS Peer” box if you peer with the route server
5. Finally click on “Add Exchange Point”

 - Use the same procedure for adding a Facility

[World Phone Internet Services Pvt. Ltd.](#)

Unicast IPv4 Multicast IPv6

Public Peering Exchange Points

Exchange ASN	IPv4 IPv6	Speed RS Peer
Nothing matched your filter You may filter by Exchange, ASN or Speed		
Exchange	<input type="text" value="mumbai "/>	
Local ASN		
IPv4		
IPv6	<input type="text"/>	
Speed (mbit/sec)	<input type="text" value="0"/>	
RS Peer	<input type="checkbox"/>	

Private Peering Facilities

Facility ASN	Country City
Nothing matched your filter You may filter by Facility, ASN, Country, City	
Facility	<input type="text"/>

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Questions?