



# Orientações no preenchimento de participantes do IX.br

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**GTER 43**  
**25 Maio 2017**  
**Foz do Iguaçu, PR - Brasil**

# Resumo

Esta apresentação visa exibir dificuldades percebidas durante o preenchimento de dados de participantes do IX.br no *PeeringDB*.

Apresentaremos o atual cenário Brasileiro do ponto de vista do *PeeringDB*, alguns erros no preenchimento e como evitá-los.

Abordaremos o manual do *PeeringDB* feito pelo IX.br para orientar os seus participantes além de recursos de busca e estatísticas da plataforma.

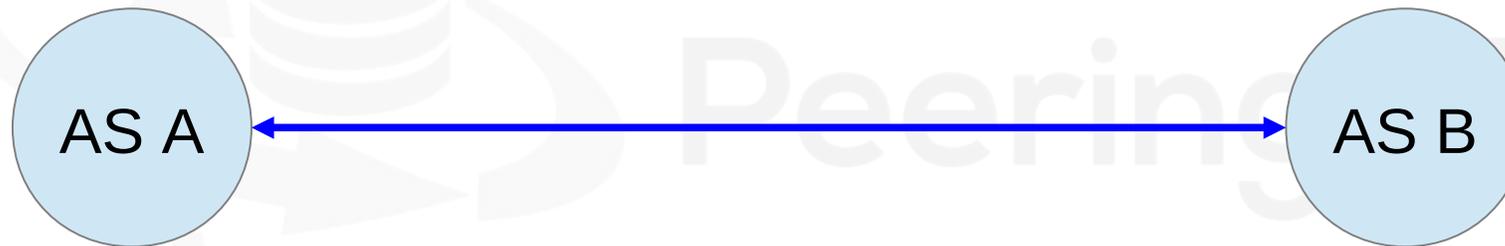
# Motivação

Muitas informações incorretas de participantes do IX.br no *PeeringDB*.

- Pedido de correções de participantes
- Participantes utilizando ASN incorreto
- Desativações de participantes
- Alterações de endereçamento de localidades

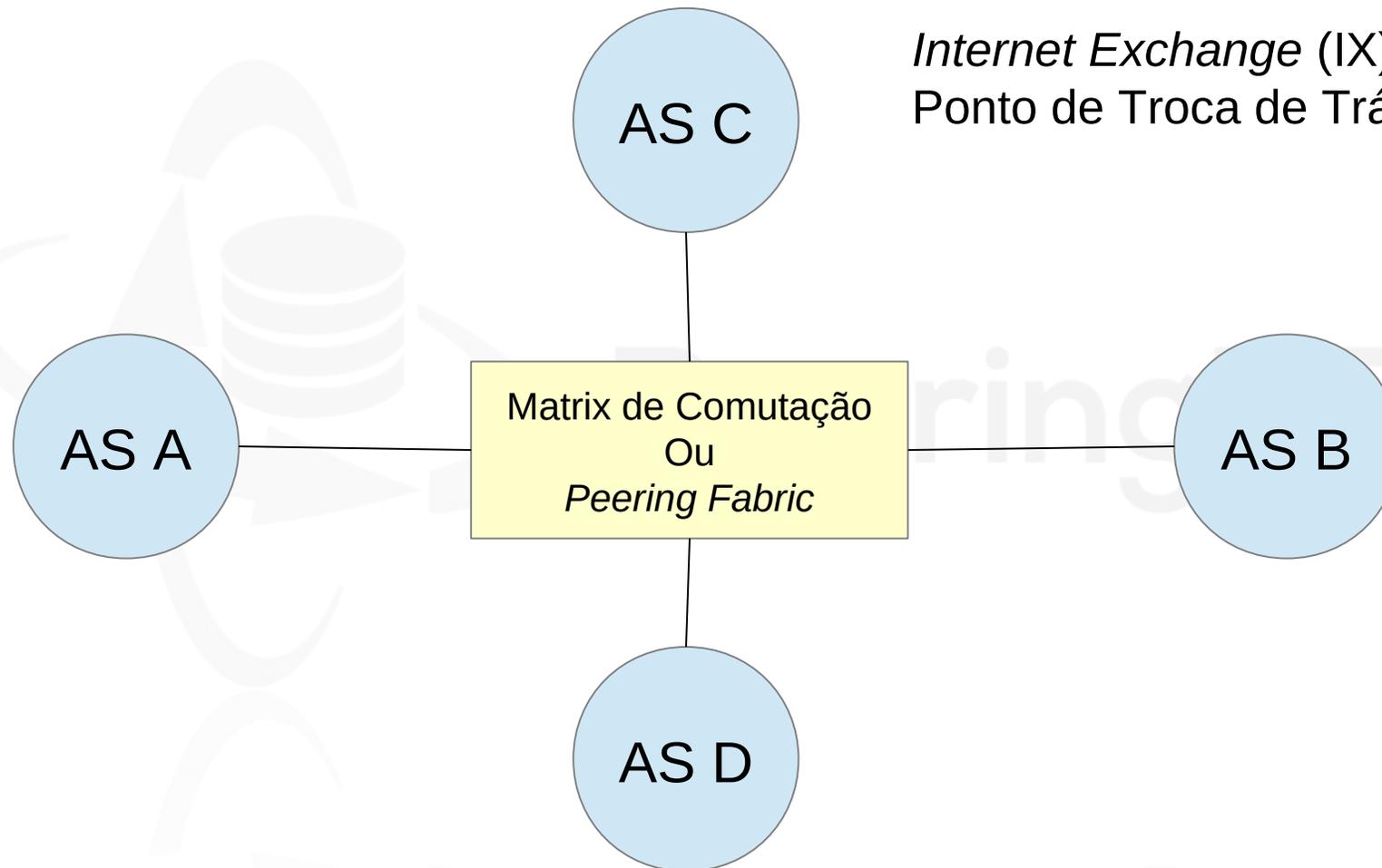
# O que é *Peering*?

*Peering* ou *Internet Peering* = Troca de Tráfego Internet



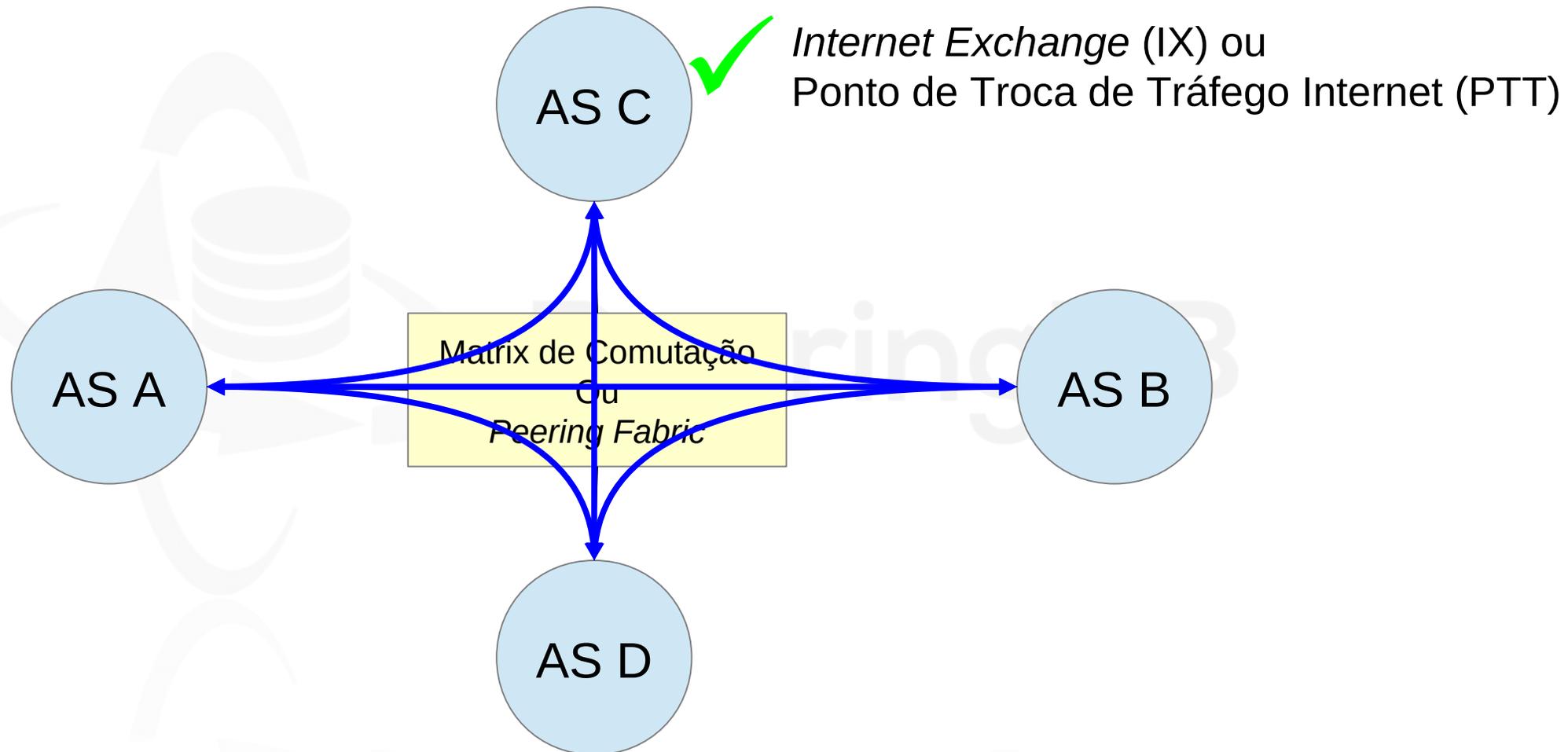
Relacionamento entre Sistemas Autônomos (AS)

# O que é *Peering*?



*Internet Exchange (IX) ou*  
Ponto de Troca de Tráfego Internet (PTT)

# O que é *Peering*?



# O que é o *PeeringDB*?

O *PeeringDB* é um projeto internacional que tem o objetivo de facilitar a troca de informações relacionadas a *peering* (acordos de troca de tráfego) e conta com o apoio e patrocínio dos principais ASNs e IXPs (*Internet Exchange Points*) do mundo.

Desde 2004, trata-se de um registro de organizações e Sistemas Autônomo em banco de dados com informações dos locais em que fazem troca de tráfego (*peering*), e qual a política de *peering* que possuem.

# O que é o *PeeringDB*?

Basicamente é uma resposta a pergunta:  
Com quem posso trocar tráfego e onde?

O fato de seu AS estar cadastrado no *PeeringDB* aumenta consideravelmente as suas possibilidades de realizar *peering*, pois suas informações ganham maior visibilidade para o mundo.

# PeeringDB 2.1

A plataforma já está na versão 2.1

Algumas funcionalidades são desenvolvidas baseado nas solicitações da comunidade:

- *Facilities* e *Exchanges* podem atualizar suas próprias informações.

Facilidades para o usuário:

Gestão mais simples com uma única conta para *network*, *facility* e *exchange*;

Um único usuário pode gerenciar múltiplas organizações;

Possibilidade de gerenciamento de usuários e atribuição de níveis de acesso.

# PeeringDB & Informações de AS

É altamente recomendável que todos os Sistemas Autônomos interessados em realizar *peering* mantenham os dados atualizados no *PeeringDB*, uma vez que muitas redes têm como política de *peering* somente trocar tráfego com redes cadastradas no *PeeringDB*.

**Todas informações devem ser atualizadas pelo próprio AS/usuário.**

# PeeringDB & Informações de AS

Para cadastrar utilize um e-mail corporativo que possua algum vínculo com o AS, de forma a facilitar a análise e validação de sua conta pelos administradores do projeto.

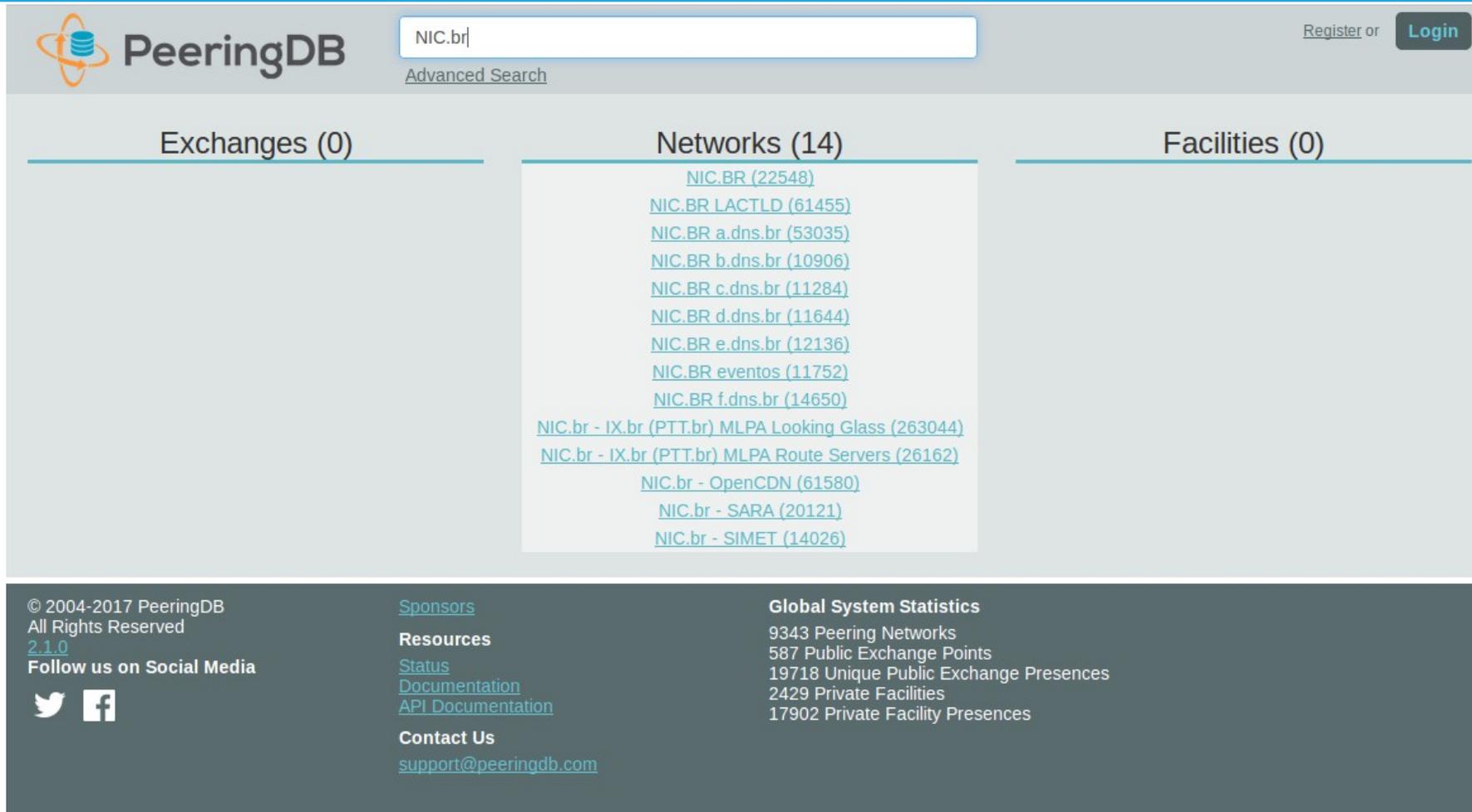
A equipe do *PeeringDB* recomenda que as informações dos Sistemas Autônomos no *whois* (e.g. Registro.br) estejam atualizadas.

Em caso de dúvidas ou erros no *PeeringDB* entre em contato com os responsáveis pelo projeto em Inglês ou Português.

A equipe costuma responder rápido.

Contato: [support@peeringdb.com](mailto:support@peeringdb.com)

# PeeringDB – Consulta Pública



The screenshot shows the PeeringDB website interface. At the top left is the PeeringDB logo. To its right is a search bar containing the text 'NIC.br|' and a button labeled 'Advanced Search'. Further right are links for 'Register or Login'. Below the search bar, the page is divided into three columns: 'Exchanges (0)', 'Networks (14)', and 'Facilities (0)'. The 'Networks (14)' column contains a list of network entries with their respective AS numbers in parentheses. At the bottom of the page, there is a footer section with copyright information, social media links, and system statistics.

PeeringDB

NIC.br| [Advanced Search](#) [Register or Login](#)

**Exchanges (0)**

**Networks (14)**

- [NIC.BR \(22548\)](#)
- [NIC.BR LACTLD \(61455\)](#)
- [NIC.BR a.dns.br \(53035\)](#)
- [NIC.BR b.dns.br \(10906\)](#)
- [NIC.BR c.dns.br \(11284\)](#)
- [NIC.BR d.dns.br \(11644\)](#)
- [NIC.BR e.dns.br \(12136\)](#)
- [NIC.BR eventos \(11752\)](#)
- [NIC.BR f.dns.br \(14650\)](#)
- [NIC.br - IX.br \(PTT.br\) MLPA Looking Glass \(263044\)](#)
- [NIC.br - IX.br \(PTT.br\) MLPA Route Servers \(26162\)](#)
- [NIC.br - OpenCDN \(61580\)](#)
- [NIC.br - SARA \(20121\)](#)
- [NIC.br - SIMET \(14026\)](#)

**Facilities (0)**

© 2004-2017 PeeringDB  
All Rights Reserved  
2.1.0  
**Follow us on Social Media**

[Sponsors](#)

**Resources**

- [Status](#)
- [Documentation](#)
- [API Documentation](#)

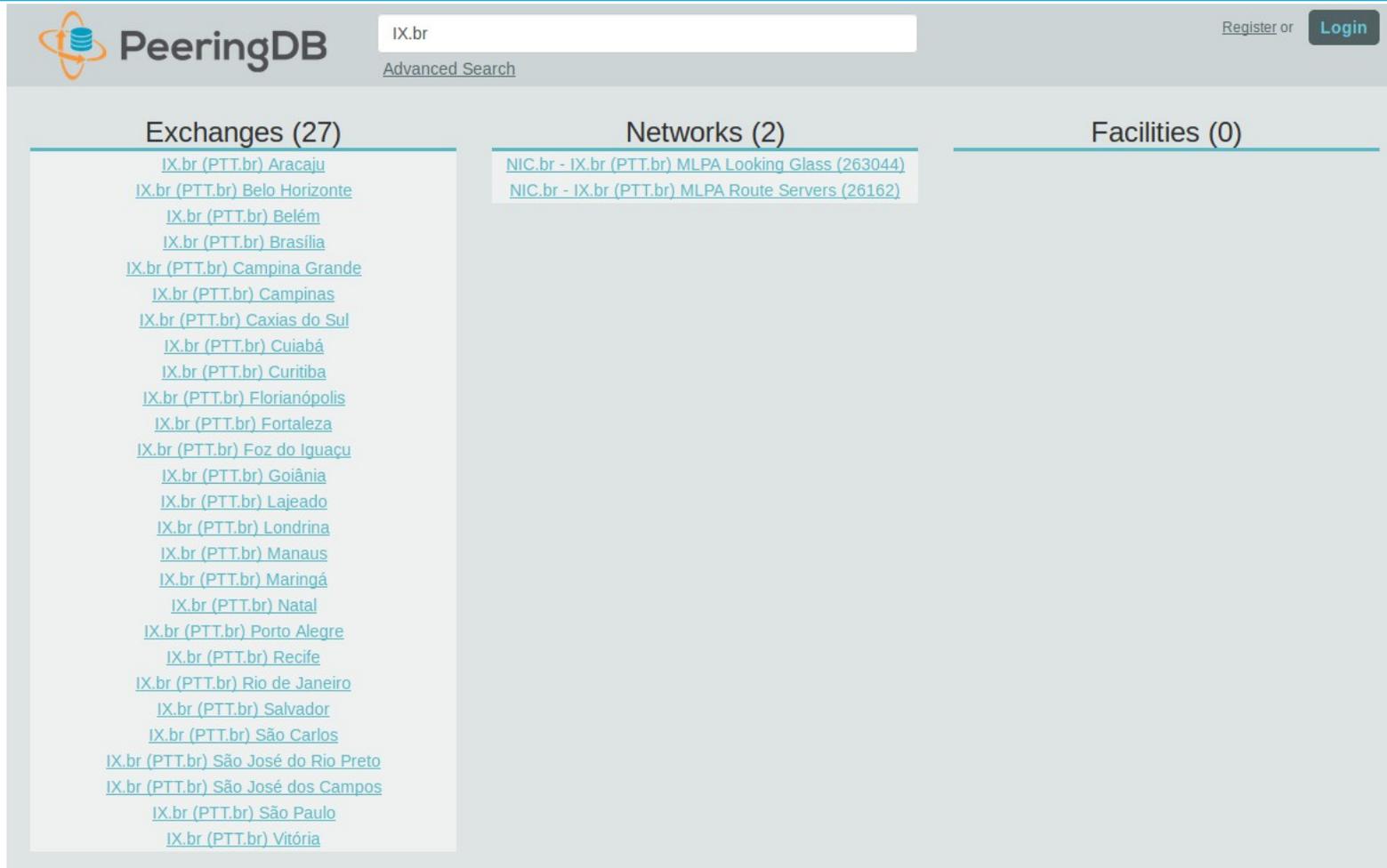
**Contact Us**

[support@peeringdb.com](mailto:support@peeringdb.com)

**Global System Statistics**

- 9343 Peering Networks
- 587 Public Exchange Points
- 19718 Unique Public Exchange Presences
- 2429 Private Facilities
- 17902 Private Facility Presences

# PeeringDB – Consulta Pública



The screenshot shows the PeeringDB website interface. At the top left is the PeeringDB logo. To its right is a search bar containing 'IX.br' and a search button. Further right are links for 'Register or Login'. Below the search bar is a link for 'Advanced Search'. The main content area is divided into three columns: 'Exchanges (27)', 'Networks (2)', and 'Facilities (0)'. The 'Exchanges' column lists 27 entries, each a link to a specific IX.br location. The 'Networks' column lists 2 entries, both links to MLPA Looking Glass and Route Servers. The 'Facilities' column is empty.

PeeringDB

IX.br

Register or Login

Advanced Search

### Exchanges (27)

- [IX.br \(PTT.br\) Aracaju](#)
- [IX.br \(PTT.br\) Belo Horizonte](#)
- [IX.br \(PTT.br\) Belém](#)
- [IX.br \(PTT.br\) Brasília](#)
- [IX.br \(PTT.br\) Campina Grande](#)
- [IX.br \(PTT.br\) Campinas](#)
- [IX.br \(PTT.br\) Caxias do Sul](#)
- [IX.br \(PTT.br\) Cuiabá](#)
- [IX.br \(PTT.br\) Curitiba](#)
- [IX.br \(PTT.br\) Florianópolis](#)
- [IX.br \(PTT.br\) Fortaleza](#)
- [IX.br \(PTT.br\) Foz do Iguaçu](#)
- [IX.br \(PTT.br\) Goiânia](#)
- [IX.br \(PTT.br\) Lajeado](#)
- [IX.br \(PTT.br\) Londrina](#)
- [IX.br \(PTT.br\) Manaus](#)
- [IX.br \(PTT.br\) Maringá](#)
- [IX.br \(PTT.br\) Natal](#)
- [IX.br \(PTT.br\) Porto Alegre](#)
- [IX.br \(PTT.br\) Recife](#)
- [IX.br \(PTT.br\) Rio de Janeiro](#)
- [IX.br \(PTT.br\) Salvador](#)
- [IX.br \(PTT.br\) São Carlos](#)
- [IX.br \(PTT.br\) São José do Rio Preto](#)
- [IX.br \(PTT.br\) São José dos Campos](#)
- [IX.br \(PTT.br\) São Paulo](#)
- [IX.br \(PTT.br\) Vitória](#)

### Networks (2)

- [NIC.br - IX.br \(PTT.br\) MLPA Looking Glass \(263044\)](#)
- [NIC.br - IX.br \(PTT.br\) MLPA Route Servers \(26162\)](#)

### Facilities (0)

# PeeringDB – Consulta Pública

Secure https://www.peeringdb.com/net/433

PeeringDB Search here for a network, IX, or facility. Register or Login

Advanced Search

## Google Inc. Platinum Sponsor

Organization	<a href="#">Google Inc.</a>
Also Known As	Google, YouTube (for Google Fiber see AS16591 record)
Company Website	<a href="https://www.google.com/">https://www.google.com/</a>
Primary ASN	15169
IRR Record	AS-GOOGLE
Route Server URL	
Looking Glass URL	
Network Type	Content
IPv4 Prefixes	15000
IPv6 Prefixes	750
Traffic Levels	Not Disclosed
Traffic Ratios	Mostly Outbound
Geographic Scope	Global
Protocols Supported	<input checked="" type="checkbox"/> Unicast IPv4 <input type="checkbox"/> Multicast <input checked="" type="checkbox"/> IPv6
Last Updated	2017-01-05T14:08:35Z
Notes	Peering Operational Issues: Contact noc@google.com 24x7  Peering Requests: <a href="https://isp.google.com/iwantpeering">https://isp.google.com/iwantpeering</a>

## Public Peering Exchange Points

Filter

Exchange ASN	IPv4 IPv6	Speed RS Peer
<a href="#">IX.br (PTT.br) Rio de Janeiro</a> 15169	45.6.52.32 2001:12f8:0:2::32	200G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) São Paulo</a> 15169	187.16.216.55 2001:12f8::55	500G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) São Paulo</a> 15169	187.16.218.58 2001:12f8::218:58	500G <input checked="" type="checkbox"/>
<a href="#">IXPN Lagos</a> 15169	196.216.148.25	20G <input checked="" type="checkbox"/>
<a href="#">InterLAN</a> 15169	86.104.125.129 2001:7f8:64:225:0:1:5169:1	20G <input checked="" type="checkbox"/>
<a href="#">JINX</a> 15169	196.223.14.41 2001:43f8:1f0::41	10G <input checked="" type="checkbox"/>
<a href="#">JPIX</a> 15169	210.171.224.96 2001:de8:8::1:5169:2	100G <input type="checkbox"/>
<a href="#">JPIX</a> 15169	210.171.224.95 2001:de8:8::1:5169:1	100G <input type="checkbox"/>
<a href="#">JPIX OSAKA</a> 15169	103.246.232.95 2001:de8:8:6:0:1:5169:1	40G <input type="checkbox"/>
<a href="#">JPNAP Osaka</a> 15169	210.173.178.56 2001:7fa:7:2:0:1:5169:1	100G <input type="checkbox"/>
<a href="#">JPNAP Tokyo</a> 15169	210.173.176.245 2001:7fa:7:1:0:1:5169:2	200G <input type="checkbox"/>
<a href="#">JPNAP Tokyo</a> 15169	210.173.176.243 2001:7fa:7:1:0:1:5169:1	200G <input type="checkbox"/>

# PeeringDB – Consulta Pública

← → ↻ Secure <https://www.peeringdb.com/net/457> ☆

 Search here for a network, IX, or facility. Register or [Login](#)

[Advanced Search](#)

## Netflix

<b>Organization</b>	<a href="#">Netflix</a>
<b>Also Known As</b>	
<b>Company Website</b>	<a href="http://www.netflix.com/">http://www.netflix.com/</a>
<b>Primary ASN</b>	2906
<b>IRR Record</b>	as-nflx
<b>Route Server URL</b>	
<b>Looking Glass URL</b>	
<b>Network Type</b>	Content
<b>IPv4 Prefixes</b>	250
<b>IPv6 Prefixes</b>	13
<b>Traffic Levels</b>	1 Tbps+
<b>Traffic Ratios</b>	Mostly Outbound
<b>Geographic Scope</b>	Global
<b>Protocols Supported</b>	<input checked="" type="checkbox"/> Unicast IPv4 <input type="checkbox"/> Multicast <input checked="" type="checkbox"/> IPv6
<b>Last Updated</b>	2016-08-01T17:47:11Z
<b>Notes</b>	***NOTE ON netflix.com and local country websites *** Our websites, for example <a href="http://www.netflix.com">http://www.netflix.com</a> or <a href="http://www.netflix.com.br">http://www.netflix.com.br</a> , are hosted on AWS in the US and EU only. Peering with Netflix provides connectivity to our CDN, not to these web presences. Viewing traceroutes

## Public Peering Exchange Points

Filter

Exchange ASN	IPv4 IPv6	Speed RS Peer
<a href="#">IX.br (PTT.br) Fortaleza</a> 2906	200.219.146.56 2001:12f8:0:9::56	70G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) Fortaleza</a> 2906	200.219.146.55 2001:12f8:0:9::55	70G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) Porto Alegre</a> 2906	200.219.143.90 2001:12f8:0:6::2906	80G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) Porto Alegre</a> 2906	200.219.143.120 2001:12f8:0:6::b:2906	80G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) Rio de Janeiro</a> 2906	45.6.52.42 2001:12f8:0:2::42	80G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) Rio de Janeiro</a> 2906	45.6.52.189 2001:12f8:0:2::189	80G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) São Paulo</a> 2906	187.16.220.83 2001:12f8::220:83	300G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) São Paulo</a> 2906	187.16.223.20 2001:12f8::223:20	300G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) São Paulo</a> 2906	187.16.223.131 2001:12f8::223:131	130G <input checked="" type="checkbox"/>
<a href="#">IX.br (PTT.br) São Paulo</a> 2906	187.16.217.185 2001:12f8::217:185	130G <input checked="" type="checkbox"/>
<a href="#">JPIX</a> 2906	210.171.224.222 2001:de8:8::2906:2	10G <input checked="" type="checkbox"/>
<a href="#">JPIX</a> 2906	210.171.224.221 2001:de8:8::2906:1	10G <input checked="" type="checkbox"/>
<a href="#">JPNAP Tokyo</a>	210.173.176.154	100G

# PeeringDB – Consulta Pública



The screenshot displays the PeeringDB website interface. At the top left is the PeeringDB logo. To its right is a search bar containing the text "Internet Exchange" and a "Register or Login" button. Below the search bar is a link for "Advanced Search". The main content area is divided into three columns: "Exchanges (302)", "Networks (54)", and "Facilities (4)". Each column contains a list of links to specific entities. The "Exchanges" list includes entries like AAIX, ACTIX, AIXP, AKL-IX, ALB-IX, AMS-IX, and various regional exchanges. The "Networks" list includes Amsterdam Internet Exchange BV, Arusha Internet Exchange Point, Bahrain Internet Exchange, and others. The "Facilities" list includes "CGIX" Congolesse Internet Exchange Point, Cork Internet Exchange, and IS Cape Town.

PeeringDB

Internet Exchange

Register or Login

Advanced Search

### Exchanges (302)

- [AAIX](#)
- [ACTIX](#)
- [AIXP](#)
- [AKL-IX](#)
- [ALB-IX](#)
- [AMS-IX](#)
- [AMS-IX Caribbean](#)
- [AMS-IX Hong Kong](#)
- [AMS-IX India](#)
- [ASIX6](#)
- [AZIX](#)
- [Angola-IX / ANG-IX](#)
- [ArmIX](#)
- [B-IX](#)
- [BBIX Fukuoka](#)
- [BBIX Hong Kong](#)
- [BBIX Nagoya](#)
- [BBIX Osaka](#)
- [BBIX Singapore](#)
- [BBIX Tokyo](#)
- [BCIX](#)
- [BDIX](#)
- [BFIK](#)
- [BFIK Burkina Faso](#)
- [BINX](#)
- [BIX Bahrain](#)
- [BIX Bergen](#)
- [BIX Jakarta](#)
- [BIX.BG](#)
- [BKNIX](#)

### Networks (54)

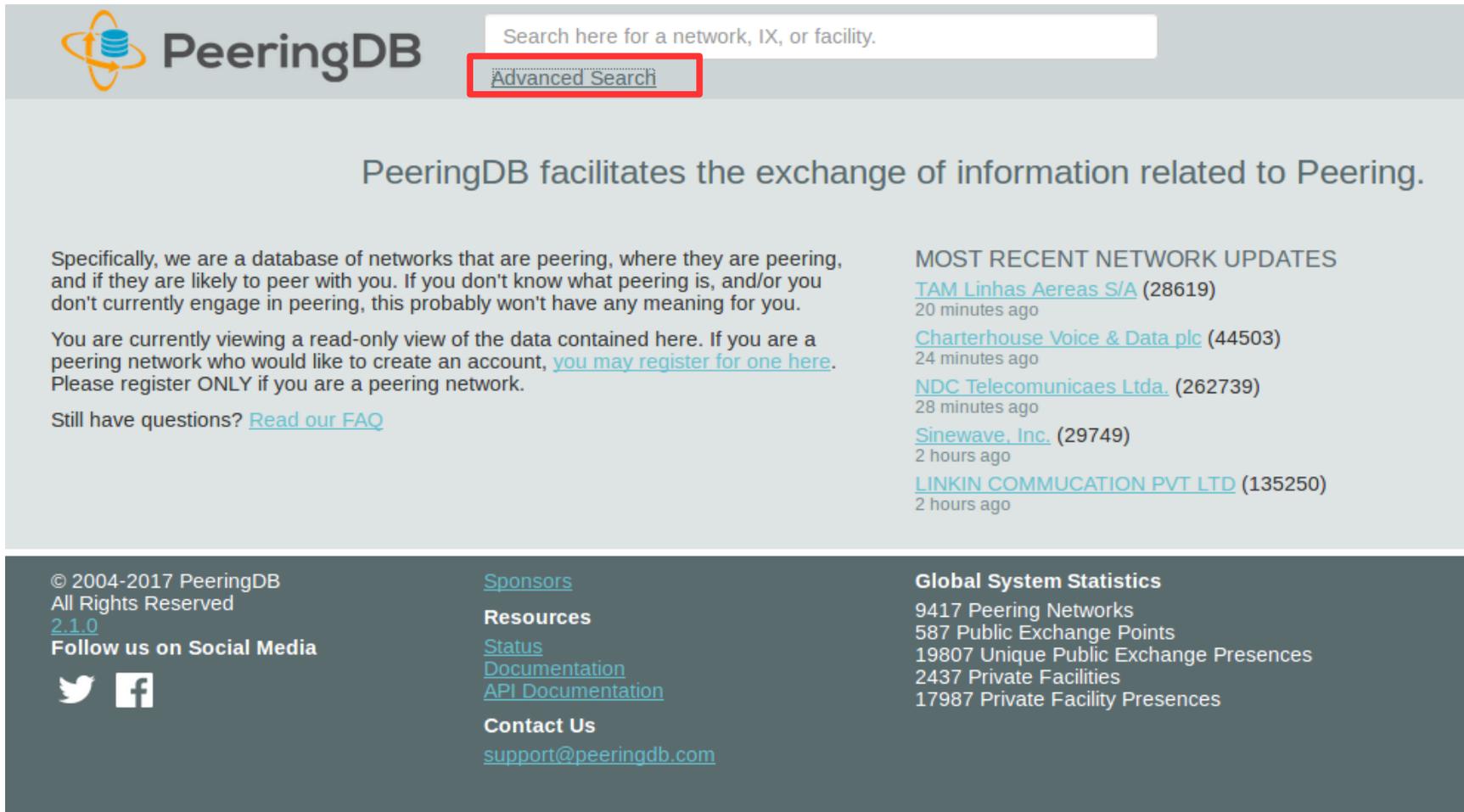
- [Amsterdam Internet Exchange BV \(1200\)](#)
- [Arusha Internet Exchange Point \(327852\)](#)
- [Bahrain Internet Exchange \(35019\)](#)
- [Balkan Internet Exchange \(59900\)](#)
- [Blueberry Telecom Global Pte Ltd \(131285\)](#)
- [CAT TELECOM PUBLIC COMPANY LIMITED \(4651\)](#)
- [CIX \(47720\)](#)
- [CNIX \(49634\)](#)
- [Cairo Internet eXchange Point \(24736\)](#)
- [CentralIX \(2851\)](#)
- [China Internet Exchange\(CNIX\) Route Servers \(63602\)](#)
- [Connected sp. z o.o. \(49102\)](#)
- [Digital Realty | Telx Route Servers \(32299\)](#)
- [European Commercial Internet Exchange Route Servers \(9033\)](#)
- [FL-IX \(Florida Internet Exchange\) \(63221\)](#)
- [Gelderland Internet Exchange \(43190\)](#)
- [Haiti Internet eXchange \[HIX\] \(28056\)](#)
- [Halifax Internet Exchange \(13770\)](#)
- [Hong Kong Internet Exchange \(HKIX\) Route Servers \(4635\)](#)
- [InterLAN Route Servers \(39107\)](#)
- [KIVIX Route Servers \(29616\)](#)
- [Kenya Internet Exchange Point Mombasa - KIXP-MBA \(37770\)](#)
- [Kenya Internet Exchange Point Nairobi - KIXP-NBO \(37704\)](#)
- [London Internet Exchange \(LINX\) \(5459\)](#)
- [MGIX Route Servers \(37887\)](#)
- [MIX-IT Services \(16004\)](#)
- [Malaysia Internet Exchange \(MyIX\) \(55822\)](#)

### Facilities (4)

- ["CGIX" Congolesse Internet Exchange Point](#)
- [Cork Internet Exchange](#)
- [IS Cape Town \(Cape Town Internet Exchange\)](#)
- [Millenium Internet Exchange \(Ebene\)](#)

DB

# PeeringDB – Consulta avançada



The screenshot shows the PeeringDB website interface. At the top left is the PeeringDB logo. To its right is a search bar with the placeholder text "Search here for a network, IX, or facility." Below the search bar is a red-bordered button labeled "Advanced Search". The main content area features a heading "PeeringDB facilitates the exchange of information related to Peering." followed by two paragraphs of introductory text and a link to the FAQ. On the right side, there is a section titled "MOST RECENT NETWORK UPDATES" listing several network entries with their names and update times. The footer contains copyright information, social media links, a list of resources (Sponsors, Resources, Status, Documentation, API Documentation), contact information, and global system statistics.

 **PeeringDB** Search here for a network, IX, or facility.  
[Advanced Search](#)

PeeringDB facilitates the exchange of information related to Peering.

Specifically, we are a database of networks that are peering, where they are peering, and if they are likely to peer with you. If you don't know what peering is, and/or you don't currently engage in peering, this probably won't have any meaning for you.

You are currently viewing a read-only view of the data contained here. If you are a peering network who would like to create an account, [you may register for one here](#). Please register **ONLY** if you are a peering network.

Still have questions? [Read our FAQ](#)

**MOST RECENT NETWORK UPDATES**

- [TAM Linhas Aereas S/A](#) (28619)  
20 minutes ago
- [Charterhouse Voice & Data plc](#) (44503)  
24 minutes ago
- [NDC Telecomunicaes Ltda.](#) (262739)  
28 minutes ago
- [Sinewave, Inc.](#) (29749)  
2 hours ago
- [LINKIN COMMUCATION PVT LTD](#) (135250)  
2 hours ago

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[2.1.0](#)  
Follow us on Social Media  
 

[Sponsors](#)  
**Resources**  
[Status](#)  
[Documentation](#)  
[API Documentation](#)  
**Contact Us**  
[support@peeringdb.com](mailto:support@peeringdb.com)

**Global System Statistics**  
9417 Peering Networks  
587 Public Exchange Points  
19807 Unique Public Exchange Presences  
2437 Private Facilities  
17987 Private Facility Presences

# PeeringDB – Consulta avançada

PeeringDB Search here for a network, IX, or facility. Register or Login

Advanced Search

Exchanges Networks Facilities

Name

City

Country ctrl/cmd click to select multiple  
Bonaire, Sint Eustatius and Saba  
Bosnia and Herzegovina  
Botswana  
Bouvet Island  
**Brazil**  
British Indian Ocean Territory  
Brunei

Continental Region ctrl/cmd click to select multiple  
North America  
Asia Pacific  
Europe  
South America  
Africa  
Australia  
Middle East

IP Block

Media Type ctrl/cmd click to select multiple  
Ethernet  
ATM  
Multiple

Reset Search

Name	Media Type	Country	City
<a href="#">IX.br (PTT.br) Aracaju</a> IX.br (PTT.br) Aracaju	Ethernet	BR	Aracaju/SE
<a href="#">IX.br (PTT.br) Belo Horizonte</a> PTT Belo Horizonte	Ethernet	BR	Belo Horizonte/MG
<a href="#">IX.br (PTT.br) Belém</a> PTT Belem	Ethernet	BR	Belem/PA
<a href="#">IX.br (PTT.br) Brasília</a> PTT Brasilia	Ethernet	BR	Brasilia/DF
<a href="#">IX.br (PTT.br) Campina Grande</a> IX.br (PTT.br) Campina Grande	Ethernet	BR	Campina Grande/PB
<a href="#">IX.br (PTT.br) Campinas</a> PTT Campinas	Ethernet	BR	Campinas/SP
<a href="#">IX.br (PTT.br) Caxias do Sul</a> PTT Caxias do Sul	Ethernet	BR	Caxias do Sul/RS

# PeeringDB – Consulta avançada

 **PeeringDB**  [Register](#) or [Login](#)

[Exchanges](#) [Networks](#) **Facilities**

**Name**  **Management**

**Address**  **CLLI**

**City / State / Postal**    **NPA-NXX**

**Country**  
ctrl/cmd click to select multiple

- Bouvet Island
- Brazil**
- British Indian Ocean Territory
- Brunei
- Bulgaria
- Burkina Faso
- Burundi

Name	CLLI NPA-NXX	City Country	State Postal Code	Networks
<a href="#">Ananke</a> suporte@ananke.com.br	-	Sao Paulo BR	SP 01314000	0
<a href="#">ASAP Global Telecom</a> ASAP GLOBAL TELECOM LTDA	-	Sao Paulo BR	SP 04719-002	1
<a href="#">Ascenty DataCenters e Telecom</a> Ascenty DataCenters Locacao e Servicos LTDA	-	Campinas BR	Sao Paulo 13069-320	2
<a href="#">Ativas</a> Ativas	-	Belo Horizonte BR	MG -	3
<a href="#">AW Telecom</a> AW TELECOM LTDA - ME	55 1733640025	São José do Rio Preto BR	São Paulo 15025600	0
<a href="#">B-BRIX - SPO1</a> Backbone-BR Servicos em Telecom	-	Barueri BR	SP 06460-120	0
<a href="#">CENTURY TELECOM LTDA</a> CENTURY TELECOM	-	Belo Horizonte BR	Minas Gerais 30240-360	0
<a href="#">Claudio Evangelista da Silva</a> PG Net Comercio de Comp. LTDA	-	Praia Grande BR	São Paulo 11701-000	0
<a href="#">Clean Net Telecom</a> Clean Net Telecom	-	Campo Bom BR	RS 93700000	2
<a href="#">Commcorp Porto Alegre (PAE1)</a> Commcorp Telecom	-	Porto Alegre BR	RS 90010-230	4

# IX.br(PTT.br) – Guia *PeeringDB*

Em 2013 a equipe do PTT.br publicou a primeira versão do:

Guia de cadastro de informações de ASNs no *PeeringDB*:

<http://ix.br/doc/PeeringDB.20130726.pdf>

A versão atualizada do Guia está na URL abaixo:

<http://ix.br/doc/PeeringDB.pdf>

# IX.br(PTT.br) – Guia *PeeringDB*

A seguir será apresentado um passo a passo de como se cadastrar no *PeeringDB* e informar os locais onde realiza *peering* e política de *peering*.

É importante ressaltar que apenas as informações de *peering* serão públicas, sendo que as informações pessoais serão mantidas em privado caso o usuário queira.

**Obs:** as informações desse guia não devem ser seguidas a risca, são apenas exemplos para orientar no preenchimento do cadastro dos interessados.

# IX.br(PTT.br) – Guia *PeeringDB*

https://www.peeringdb.com

PeeringDB

Search here for a network, IX, or facility.

Register or Login

Advanced Search

PeeringDB facilitates the exchange of information related to Peering.

Specifically, we are a database of networks that are peering, where they are peering, and if they are likely to peer with you. If you don't know what peering is, and/or you don't currently engage in peering, this probably won't have any meaning for you.

You are currently viewing a read-only view of the data contained here. If you are a peering network who would like to create an account, [you may register for one here](#). Please register ONLY if you are a peering network.

Still have questions? [Read our FAQ](#)

**MOST RECENT NETWORK UPDATES**

- [Wirulink Pty Ltd](#) (37564) 3 minutes ago
- [Phonoscope](#) (22442) 5 minutes ago
- [Blackfoot Communications Inc](#) (21947) 30 minutes ago
- [tw telecom](#) (4323) 44 minutes ago
- [DIAMATRIX](#) (327979) 2 hours ago

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[support@peeringdb.com](mailto:support@peeringdb.com)

**Global System Statistics**  
6259 Peering Networks  
634 Public Exchange Points  
16351 Unique Public Exchange Presences  
2050 Private Facilities  
15176 Private Facility Presences

- Acessar a URL <https://www.peeringdb.com>

# IX.br(PTT.br) – Guia *PeeringDB*

← | <https://www.peeringdb.com> | Pesquisar

 **PeeringDB** Search here for a network, IX, or facility. [Register](#) [Login](#)

[Advanced Search](#)

PeeringDB facilitates the exchange of information related to Peering.

Specifically, we are a database of networks that are peering, where they are peering, and if they are likely to peer with you. If you don't know what peering is, and/or you don't currently engage in peering, this probably won't have any meaning for you.

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[Sponsors](#)

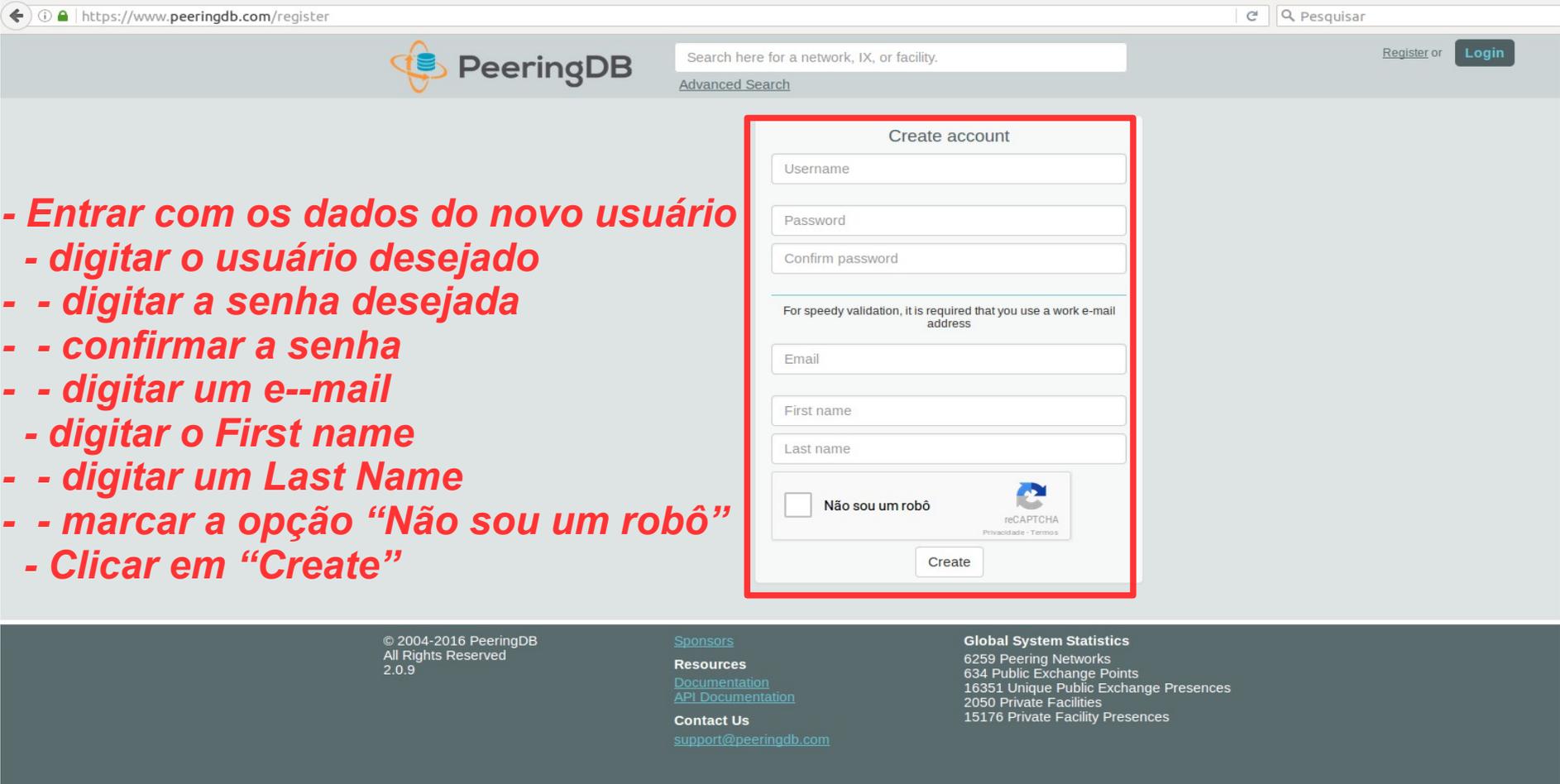
**Resources**  
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[support@peeringdb.com](mailto:support@peeringdb.com)

**Global System Statistics**  
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15176 Private Facility Presences

**- Clicar em Register**

# IX.br(PTT.br) – Guia *PeeringDB*



The screenshot shows the PeeringDB website's registration page. The browser address bar displays 'https://www.peeringdb.com/register'. The page header includes the PeeringDB logo, a search bar with the text 'Search here for a network, IX, or facility.', and links for 'Register or Login'. The main content area features a 'Create account' form, which is highlighted with a red border. The form contains the following fields: Username, Password, Confirm password, Email, First name, and Last name. Below these fields is a reCAPTCHA widget with the text 'Não sou um robô' and a 'Create' button. A note above the Email field states: 'For speedy validation, it is required that you use a work e-mail address'. The footer of the page contains copyright information, links to Sponsors, Resources (Documentation, API Documentation), Contact Us (support@peeringdb.com), and Global System Statistics.

- **Entrar com os dados do novo usuário**
- **digitar o usuário desejado**
- **digitar a senha desejada**
- **confirmar a senha**
- **digitar um e-mail**
- **digitar o First name**
- **digitar um Last Name**
- **marcar a opção “Não sou um robô”**
- **Clicar em “Create”**

# IX.br(PTT.br) – Guia *PeeringDB*



The screenshot shows the PeeringDB website at the URL <https://www.peeringdb.com/verify>. The page features the PeeringDB logo and a search bar. A red box highlights the "Email Confirmation" section, which contains the following text: "Email Confirmation", "Before getting access to any other features, you need to confirm your email address.", "We have sent you a message containing the confirmation link.", and a "Resend Confirmation Email" button. Below this, there are two form sections: "Change email address" and "Change password". The "Change email address" section includes a note: "For speedy validation, it is required that you use a work e-mail address", followed by input fields for "Email" and "Password", and a "Change Email" button. The "Change password" section includes input fields for "Current Password", "Password", and "Password Verification", and a "Change Password" button.

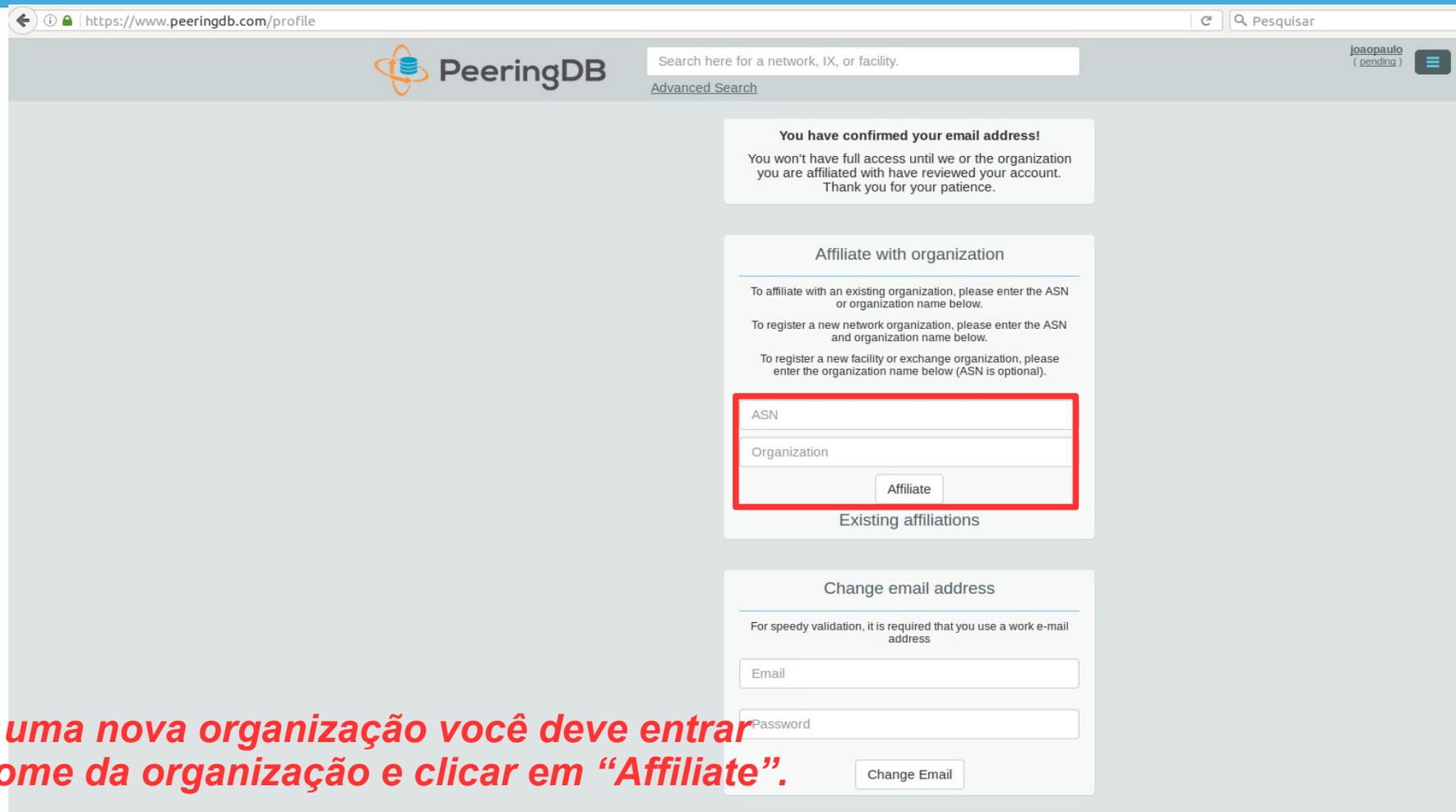
**Ao clicar em “Create” um e--mail de confirmação será enviado para o e--mail cadastrado.**

# IX.br(PTT.br) – Guia *PeeringDB*

The screenshot shows the PeeringDB profile page for user 'joapaulo (pending)'. A red box highlights a confirmation message: "You have confirmed your email address! You won't have full access until we or the organization you are affiliated with have reviewed your account. Thank you for your patience." Below this, there are two main sections: "Affiliate with organization" and "Change email address". The "Affiliate with organization" section includes instructions for existing organizations, new network organizations, and new facilities/exchanges, along with input fields for "ASN" and "Organization" and an "Affiliate" button. The "Change email address" section includes a note about using a work email for validation, input fields for "Email" and "Password", and a "Change Email" button.

**Note que agora você possui usuário, mas não está afiliado a uma organização**

# IX.br(PTT.br) – Guia *PeeringDB*



https://www.peeringdb.com/profile

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

jaopaulo ( pending )

**You have confirmed your email address!**  
You won't have full access until we or the organization you are affiliated with have reviewed your account. Thank you for your patience.

**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

**Change email address**

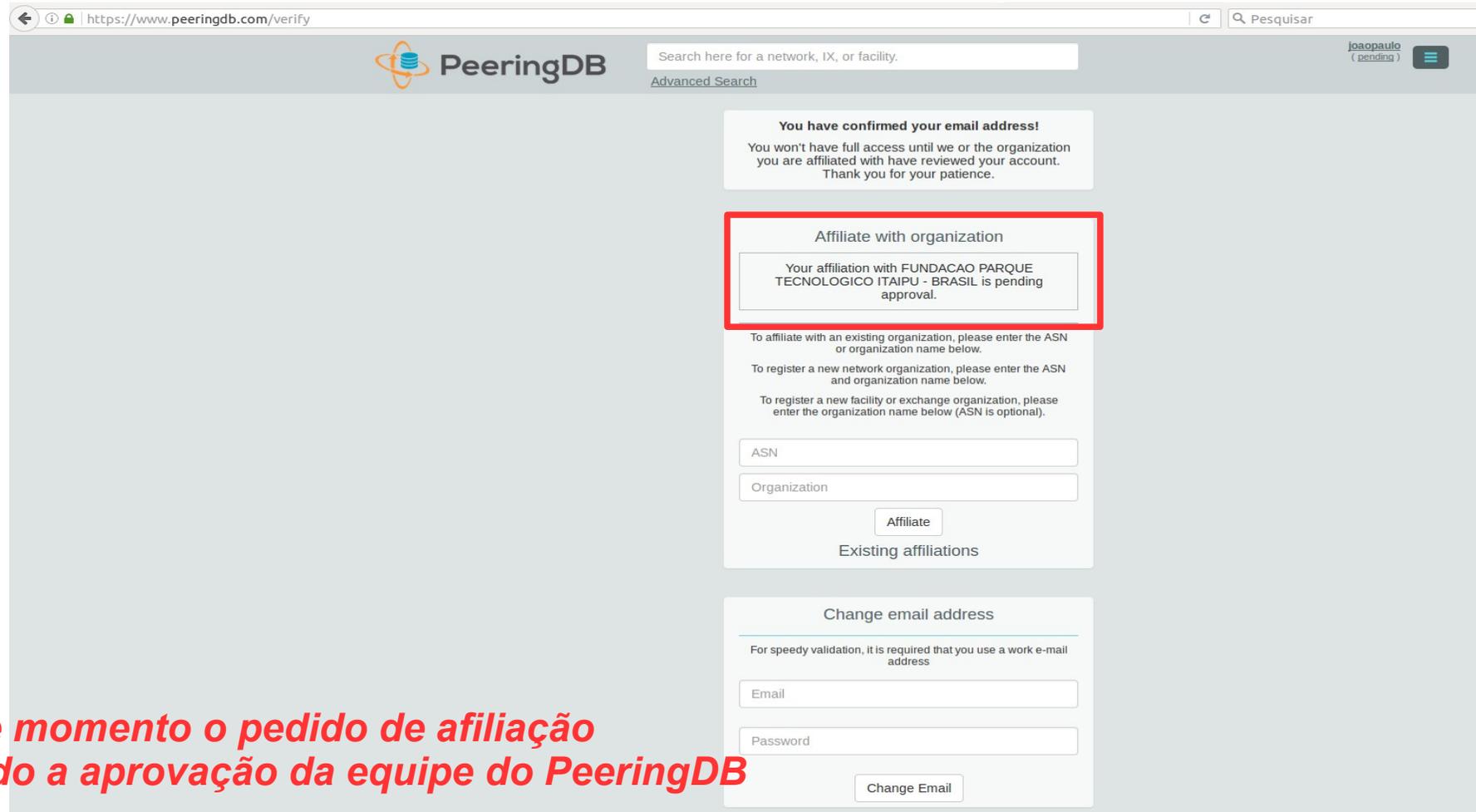
For speedy validation, it is required that you use a work e-mail address

Email  
Password

Change Email

**Para registrar uma nova organização você deve entrar com o ASN, nome da organização e clicar em “Affiliate”.**

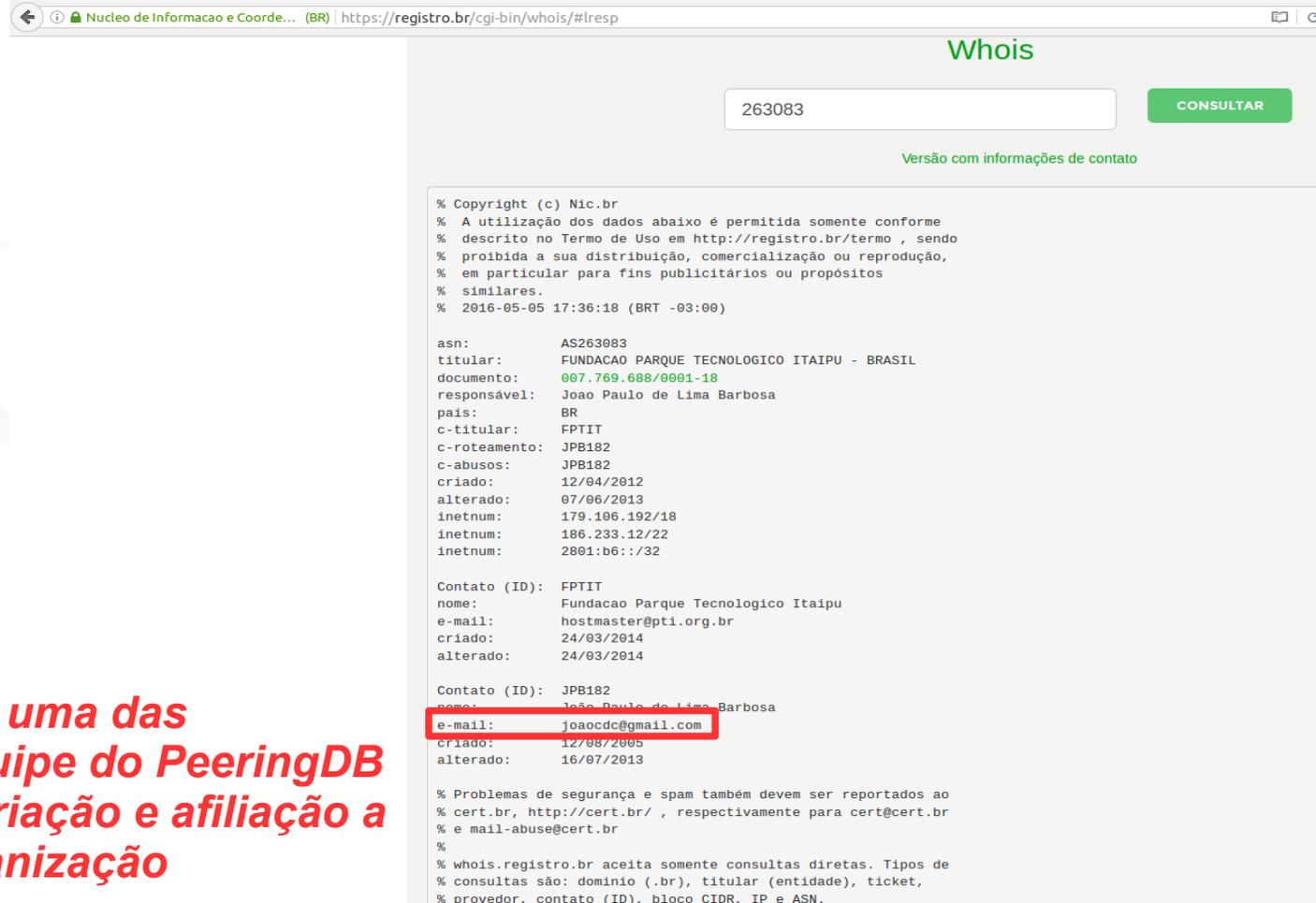
# IX.br(PTT.br) – Guia *PeeringDB*



The screenshot shows the PeeringDB website interface. At the top, there is a search bar with the text "Search here for a network, IX, or facility." and a search button labeled "Pesquisar". The PeeringDB logo is visible on the left. The main content area features a confirmation message: "You have confirmed your email address! You won't have full access until we or the organization you are affiliated with have reviewed your account. Thank you for your patience." Below this, a red-bordered box highlights a message: "Affiliate with organization. Your affiliation with FUNDACAO PARQUE TECNOLOGICO ITAIPU - BRASIL is pending approval." Underneath, there are instructions for affiliating with an existing organization, registering a new network organization, and registering a new facility or exchange organization. There are input fields for "ASN" and "Organization", and a button labeled "Affiliate". Below that, there is a section for "Change email address" with instructions: "For speedy validation, it is required that you use a work e-mail address". This section includes input fields for "Email" and "Password", and a button labeled "Change Email".

**Note que neste momento o pedido de afiliação está aguardando a aprovação da equipe do PeeringDB**

# IX.br(PTT.br) – Guia *PeeringDB*



Whois

263083

Versão com informações de contato

```
% Copyright (c) Nic.br
% A utilização dos dados abaixo é permitida somente conforme
% descrito no Termo de Uso em http://registro.br/termo , sendo
% proibida a sua distribuição, comercialização ou reprodução,
% em particular para fins publicitários ou propósitos
% similares.
% 2016-05-05 17:36:18 (BRT -03:00)

asn:          AS263083
titular:      FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL
documento:    007.769.688/0001-18
responsável:  Joao Paulo de Lima Barbosa
pais:         BR
c-titular:    FPTIT
c-roteamento: JPB182
c-abusos:     JPB182
criado:       12/04/2012
alterado:     07/06/2013
inetnum:      179.106.192/18
inetnum:      186.233.12/22
inetnum:      2801:b6::/32

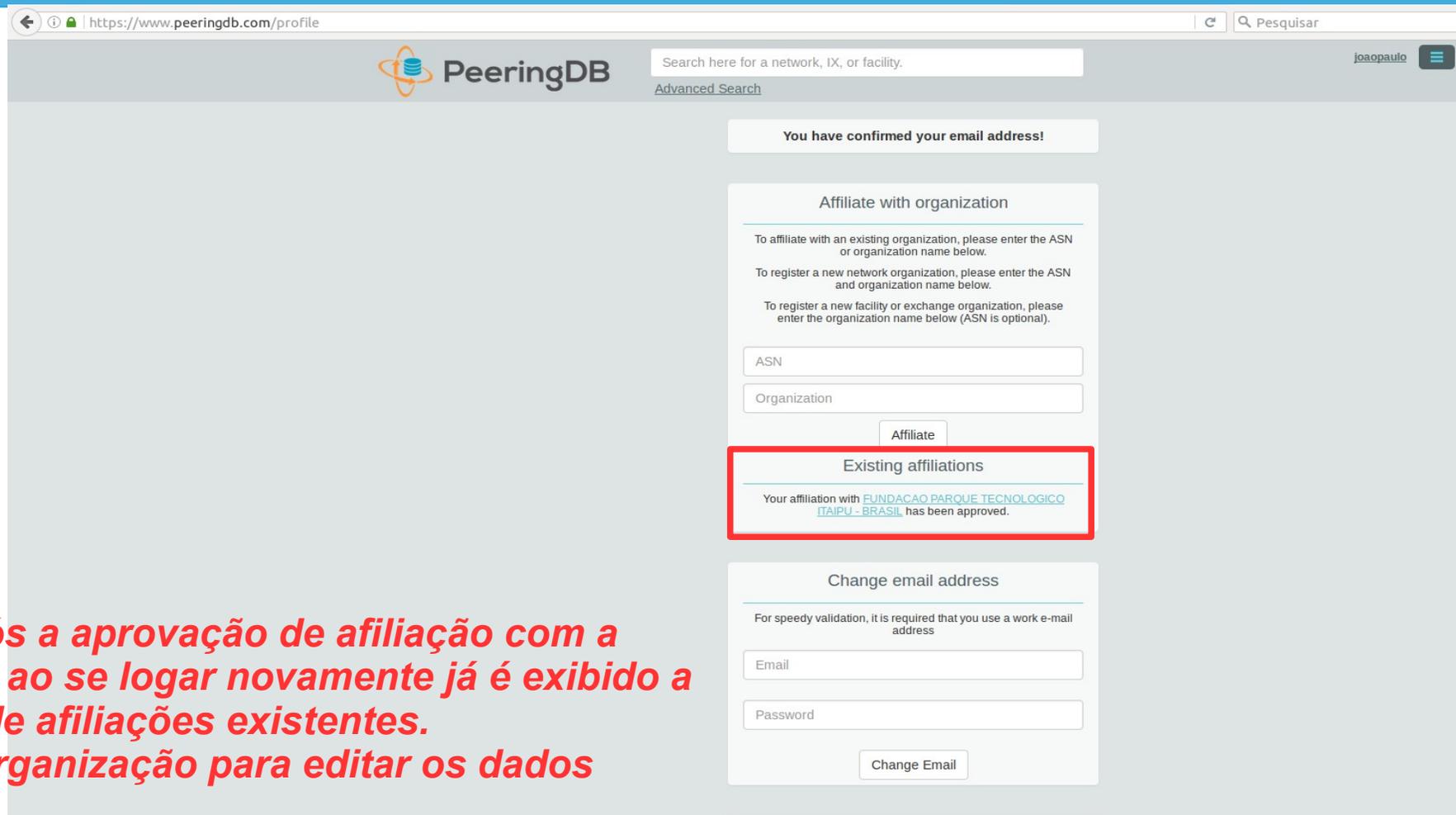
Contato (ID): FPTIT
nome:         Fundacao Parque Tecnologico Itaipu
e-mail:       hostmaster@pti.org.br
criado:       24/03/2014
alterado:     24/03/2014

Contato (ID): JPB182
nome:         João Paulo de Lima Barbosa
e-mail:       joaocdc@gmail.com
criado:       12/08/2005
alterado:     16/07/2013

% Problemas de segurança e spam também devem ser reportados ao
% cert.br, http://cert.br/ , respectivamente para cert@cert.br
% e mail-abuse@cert.br
%
% whois.registro.br aceita somente consultas diretas. Tipos de
% consultas são: dominio (.br), titular (entidade), ticket,
% provedor, contato (ID), bloco CIDR, IP e ASN.
```

**O e--mail do usuário é uma das informações que a equipe do PeeringDB utiliza para validar a criação e afiliação a uma determinada organização**

# IX.br(PTT.br) – Guia *PeeringDB*



The screenshot shows the PeeringDB profile page. At the top, there is a search bar and a user profile icon labeled 'joapaulo'. Below the search bar, there is a confirmation message: "You have confirmed your email address!". The main content area is titled "Affiliate with organization" and contains instructions for joining an existing organization, registering a new network organization, or registering a new facility or exchange organization. Below these instructions are input fields for "ASN" and "Organization", and an "Affiliate" button. The "Existing affiliations" section is highlighted with a red box and contains the message: "Your affiliation with [FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL](#) has been approved." Below this, there is a "Change email address" section with instructions for speedy validation, input fields for "Email" and "Password", and a "Change Email" button.

**Note que após a aprovação de afiliação com a organização, ao se logar novamente já é exibido a informação de afiliações existentes.  
- Clique na organização para editar os dados**

# IX.br(PTT.br) – Guia *PeeringDB*

https://www.peeringdb.com/org/14121

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

## FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL Edit

Website	
Address 1	
Address 2	
Location	
Country Code	BR

**Facilities** Filter

Name	Country	City
Nothing matched your filter You may filter by Name, Country or City		

**Networks** Filter

Name	ASN
<a href="#">FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL</a>	263083

**Exchanges** Filter

Name	Country	City
Nothing matched your filter You may filter by Name, Country or City		

**Manage**

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

Name

Website

Address 1

Address 2

City

State

Zip-Code

Country

CLLI Code

NPA-NXX

Add a new Facility to your Organization. Note that the newly created Facility will need to be approved by PeeringDB staff before it will appear in the search results or the API listings

- Clique em “Edit” para entrar com os dados da organização

# IX.br(PTT.br) – Guia *PeeringDB*

The screenshot shows the PeeringDB website interface. At the top, there is a search bar and a user profile for 'joaopaulo'. The main content area is titled 'FUNDACAO PARQUE TECNOLOGICO IT'. A red box highlights the data entry form on the left, which includes the following fields:

Website	<input type="text" value="http://www.pti.org.br/"/>
Address 1	<input type="text" value="Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Esp"/>
Address 2	<input type="text"/>
Location	<input type="text" value="Foz do Iguaçu"/>
	<input type="text" value="PR"/>
	<input type="text" value="85867900"/>
Country Code	<input type="text" value="Brazil"/>

On the right side, there are filter sections for 'Facilities', 'Networks', and 'Exchanges'. The 'Networks' section shows a single entry: 'FUNDACAO PARQUE TECNOLOGICO ITAIPU - BRASIL' with ASN '263083'. Below this, there is a 'Manage' section with tabs for 'Add Facility', 'Add Network', 'Add Exchange', 'Users', and 'Permissions'. The 'Add Facility' tab is active, showing a form with fields for Name, Website, Address 1, Address 2, City, State, Zip-Code, Country (set to 'United States'), and CLLI Code. A 'Submit Facility' button is located at the bottom right of this form. A note on the right side of the 'Add Facility' form states: 'Add a new Facility to your Organization. Note that the newly created Facility will need to be approved by PeeringDB staff before it will appear in the search results or the API listings.'

**Exemplo de preenchimento dos dados de uma organização**

# IX.br(PTT.br) – Guia *PeeringDB*

The screenshot shows the PeeringDB website interface. At the top, there is a search bar and the PeeringDB logo. The main content area displays the profile for 'FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL'. The profile includes a table with the following information:

Website	<a href="http://www.pti.org.br/">http://www.pti.org.br/</a>
Address 1	Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Espaço 1 - Sala 3 - Jardim Itaipu
Address 2	
Location	Foz do Iguaçu, PR, 85867900
Country Code	BR

Below the table, there are sections for 'Facilities', 'Networks', and 'Exchanges'. The 'Networks' section is highlighted with a red box and contains one entry:

Name	ASN
<a href="#">FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL</a>	263083

At the bottom of the page, there is a 'Manage' section with tabs for 'Add Facility', 'Add Network', 'Add Exchange', 'Users', and 'Permissions'. The 'Add Facility' tab is active, showing a form with fields for Name, Website, Address 1, Address 2, City, State, Zip-Code, Country (set to United States), CLLI Code, and NPA-NXX. A 'Submit Facility' button is located at the bottom right of the form. A note next to the form states: 'Add a new Facility to your Organization. Note that the newly created Facility will need to be approved by PeeringDB staff before it will appear in the search results or the API listings.'

**Com os dados da organização atualizados, você pode atualizar os dados de sua Network e conectar em um IXP**

# IX.br(PTT.br) – Guia *PeeringDB*

https://www.peeringdb.com/net/10208

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

FUNDACAO PARQUE TECNOLOGICO IT

Organization: FUNDACAO PARQUE TECNOLOGICO ITAIPU - BRASIL

Also Known As: PTI-BR

Company Website: http://www.pti.org.br/

Primary ASN: 263083

IRR Record:

Route Server URL: http://www.example.com

Looking Glass URL: http://www.example.com

Network Type: Non-Profit

IPv4 Prefixes: 0

IPv6 Prefixes: 0

Traffic Levels: Not Disclosed

Traffic Ratios: Not Disclosed

Geographic Scope: South America

Protocols Supported:  Unicast IPv4  Multicast  IPv6

Last Updated: 2016-05-04T18:53:09Z

Notes:

Public Peering Exchange Points

Exchange	ASN	IPv4	IPv6	Speed	RS Peer
IX.br (PTT.br) Foz do Iguaçu ATM/MLPA	263083	187.16.204.11	2001:12f8:0:27::11	10000	<input checked="" type="checkbox"/>

Exchange: IX.br (PTT.br) Foz do Iguaçu BR ATM/MLPA

Local ASN: 263083

IPv4: 187.16.204.12

IPv6: 2001:12f8:0:27::12

Speed (mbit/sec): 10000

RS Peer:

Private Peering Facilities

Nothing matched your filter

Facility:

**Exemplo de preenchimento dos dados de uma Network e ligação a um IXP**

# IX.br(PTT.br) – Guia *PeeringDB*

https://www.peeringdb.com/net/10208

Pesquisar

Peering Policy Information

Peering Policy:

General Policy:

Multiple Locations:

Ratio Requirement:

Contract Requirement:

Contact Information

Role	Name	Phone
	Visibility	E-Mail
<input checked="" type="checkbox"/> NOC	<input type="text" value="NOC PTI"/>	<input type="text" value="+55 45 3576-7272"/>
	<input type="text" value="Public"/>	<input type="text" value="noc@pti.org.br"/>

Role:

Name:

Email:

Phone:

Visibility:

**Exemplo de preenchimento dos contatos da entidade**  
**Obs: não esquecer de colocar o email de contato**

# IX.br(PTT.br) – Guia *PeeringDB*

← | https://www.peeringdb.com/net/10208 | Pesquisar

 Search here for a network, IX, or facility. joaopaulo

Advanced Search

FUNDACAO PARQUE TECNOLOGICO ITI Cancel **Save**

Organization	FUNDACAO PARQUE TECNOLOGICO ITAIPU - BRASIL
Also Known As	PTI-BR
Company Website	http://www.pti.org.br/
Primary ASN	263083
IRR Record	
Route Server URL	http://www.example.com
Looking Glass URL	http://www.example.com
Network Type	Non-Profit
IPv4 Prefixes	0
IPv6 Prefixes	0
Traffic Levels	Not Disclosed
Traffic Ratios	Not Disclosed
Geographic Scope	South America
Protocols Supported	<input checked="" type="checkbox"/> Unicast IPv4 <input type="checkbox"/> Multicast <input checked="" type="checkbox"/> IPv6
Last Updated	2016-05-04T18:53:09Z
Notes	

Public Peering Exchange Points Filter

Exchange ASN	IPv4 IPv6	Speed RS Peer
<input checked="" type="checkbox"/> IX.br (PTT.br) Foz do Iguacu ATM/MLPA 263083	187.16.204.11 2001:12f8:0:27::11	10000 <input checked="" type="checkbox"/>

Exchange

Local ASN

IPv4

IPv6

Speed (mbit/sec)

RS Peer

Add Exchange Point

Private Peering Facilities Filter

Facility ASN	Country City
Nothing matched your filter You may filter by Facility, ASN, Country, City	

Facility

Add Facility

**Após o preenchimento das informações,  
clique em “Save”**

# IX.br(PTT.br) – Guia *PeeringDB*

The screenshot shows the PeeringDB interface for the organization 'FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL'. The profile includes details such as the website (<http://www.pti.org.br/>), address (Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Espaço 1 - Sala 3 - Jardim Itaipu), location (Foz do Iguaçu, PR, 85867900), and country code (BR). Below the profile, there are sections for Facilities, Networks, and Exchanges, each with a filter button. The 'Add Facility' form is highlighted with a red box and contains fields for Name, Website, Address 1, Address 2, State, Zip-Code, Country (set to United States), CLLI Code, and NPA-NXX. A 'Submit Facility' button is also visible. A note states: 'Add a new Facility to your Organization. Note that the newly created Facility will need to be approved by PeeringDB staff before it will appear in the search results or the API listings.'

**No PeeringDB é possível adicionar uma “Facility” para sua organização. As informações deverão ser preenchidas e passarão por aprovação da equipe do PeeringDB**

# IX.br(PTT.br) – Guia *PeeringDB*

The screenshot shows the PeeringDB interface for the organization 'FUNDACAO PARQUE TECNOLOGICO ITAIPU - BRASIL'. The profile includes details such as the website (<http://www.pti.org.br/>), address (Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Espaço 1 - Sala 3 - Jardim Itaipu), location (Foz do Iguaçu, PR, 85867900), and country code (BR). The 'Manage' section is active, with the 'Add Network' button highlighted in a red box. Below this, a form is provided to add a new network, with fields for Name, Website, Primary ASN, IRR Record, Network Type, Traffic Levels, Traffic Ratios, and a checkbox for Unicast IPv4. A 'Submit Network' button is also visible. A note states: 'Add a new Network to your Organization. Note that the newly created Network will need to be approved by PeeringDB staff before it will appear in the search results or the API listings.'

**É possível adicionar mais “Networks” para sua organização. Esta opção pode ser usada para entidades que possuem mais de um ASN. As informações deverão ser preenchidas e passarão por aprovação da equipe do PeeringDB**

# IX.br(PTT.br) – Guia *PeeringDB*

The screenshot shows the PeeringDB interface for the organization 'FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL'. The main content area is divided into several sections: 'Website' (http://www.pti.org.br/), 'Address 1' (Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Espaco 1 - Sala 3 - Jardim Itaipu), 'Address 2', 'Location' (Foz do Iguaçu, PR, 85867900), and 'Country Code' (BR). To the right, there are sections for 'Facilities', 'Networks', and 'Exchanges', each with a filter button. The 'Networks' section shows one entry: 'FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL' with ASN 263083. Below the main content is a 'Manage' section with tabs for 'Add Facility', 'Add Network', 'Add Exchange', 'Users', and 'Permissions'. The 'Add Exchange' tab is highlighted with a red box. Below this tab is a form to add a new exchange, with fields for Name, Website (http://www.example.com), City, Country (United States), Continental Region (North America), Media Type (Ethernet), Unicast IPv4, Multicast, IPv6, Traffic Stats Website (http://www.example.com), and Technical E-mail (name@example.com). A 'Submit Exchange' button is at the bottom right of the form. A note above the button states: 'Add a new Exchange to your Organization. Note that the newly created Exchange will need to be approved by PeeringDB staff before it will appear in the search results or the API listings.'

**A opção “Add Exchange” somente deve ser utilizada por entidades que operam Internet Exchanges e não por entidades que estão conectadas a um IXP.**

**Este processo de criação de um IXP também precisa de aprovação da equipe do PeeringDB.**

# IX.br(PTT.br) – Guia *PeeringDB*

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

## FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL

Website: <http://www.pti.org.br/>

Address 1: Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Espaço 1 - Sala 3 - Jardim Itaipu

Address 2:

Location: Foz do Iguaçu, PR, 85867900

Country Code: BR

Facilities: Filter

Nothing matched your filter

Networks: Filter

FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL 263083

Exchanges: Filter

Nothing matched your filter

Manage: Add Facility Add Network Add Exchange **Users** Permissions

Users requesting affiliation

Name	Email	Date	
User	Confirmed		
Joao Barbosa	joao@barbosa.net.br	2016, May 04	Approve Deny
joao	Yes		

Users in Organization

Name	Email	Group	
User			
João Paulo de Lima Barbosa	joaocdc@gmail.com	admin	Remove
joaopaulo			

Save

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Sponsors

Resources: Documentation API Documentation

Global System Statistics: 6267 Peering Networks, 634 Public Exchange Points, 16359 Unique Public Exchange Presences, 2050 Private Facilities

**Na aba “Users” é possível aprovar novos usuários e atribuir privilégios. O User admin consegue alterar qualquer dado de uma organização. O User member terá restrições de permissão a ser definida pelo User admin.**

# IX.br(PTT.br) – Guia *PeeringDB*

https://www.peeringdb.com/org/14121

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

## FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL

Edit

Website	<a href="http://www.pti.org.br/">http://www.pti.org.br/</a>
Address 1	Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Espaço 1 - Sala 3 - Jardim Itaipu
Address 2	
Location	Foz do Iguaçu, PR, 85867900
Country Code	BR

Facilities Filter

Name	Country	City
Nothing matched your filter You may filter by Name, Country or City		

Networks Filter

Name	ASN
<a href="#">FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL</a>	263083

Exchanges Filter

Name	Country	City
Nothing matched your filter You may filter by Name, Country or City		

Manage

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

Here you can grant permissions to regular members of your organization. Administrative users are not listed here as they have access to everything by default. Additionally, entities that are pending review cannot be permissioned out to users, and will not appear in the entity list

Save

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[API Documentation](#)  
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**Global System Statistics**  
6267 Peering Networks  
634 Public Exchange Points  
16359 Unique Public Exchange Presences  
2050 Private Facilities  
15175 Private Facility Presences

**Na aba “Permissions” é possível atribuir níveis de permissões aos usuários members.**

**Por exemplo uma entidade pode possuir mais de um ASN e cada usuário é encarregado de fazer alterações em um ASN.**

# IX.br(PTT.br) – Guia *PeeringDB*

Uma dica interessante é utilizar a URL criada especialmente para o seu AS facilitando o acesso as suas informações de *peering*.

Exemplo:

<https://as26162.peeringdb.com/>

<https://www.peeringdb.com/asn/26162>

# IX.br(PTT.br) – Guia PeeringDB

The screenshot shows the PeeringDB website interface. At the top, there is a search bar with the text "Search here for a network, IX, or facility." and buttons for "Register or" and "Login". Below the search bar is the "Advanced Search" link. The main content area is titled "NIC.br - IX.br (PTT.br) MLPA Route Servers". On the left, there is a table with various details about the organization. On the right, there is a table titled "Public Peering Exchange Points" with a "Filter" button. The table lists various exchange points with columns for Exchange (ASN), IPv4, IPv6, and Speed (RS Peer).

Organization	<a href="#">NIC.br</a>
Also Known As	
Company Website	<a href="https://ix.br/">https://ix.br/</a>
Primary ASN	26162
IRR Record	AS-IX.br-RS
Route Server URL	
Looking Glass URL	
Network Type	NSP
IPv4 Prefixes	0
IPv6 Prefixes	0
Traffic Levels	Not Disclosed
Traffic Ratios	Balanced
Geographic Scope	Global
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6
Last Updated	2016-06-16T15:55:45Z
Notes	This is the Peering information for the IX.br (PTT.br) Route Servers.  There are two route servers per IXP for redundancy purposes.  For IX.br (PTT.br) Sao Paulo we recommend a maximum-prefixes setting 100K for IPv4 and 25K for IPv6

Exchange	IPv4	Speed
ASN	IPv6	RS Peer
<a href="#">IX.br (PTT.br) Aracaju</a>	200.219.130.253	1G
26162	2001:12f8:0:1::253	○
<a href="#">IX.br (PTT.br) Aracaju</a>	200.219.130.254	1G
26162	2001:12f8:0:1::254	○
<a href="#">IX.br (PTT.br) Belo Horizonte</a>	200.219.139.253	1G
26162	2001:12f8:0:3::253	○
<a href="#">IX.br (PTT.br) Belo Horizonte</a>	200.219.139.254	1G
26162	2001:12f8:0:3::254	○
<a href="#">IX.br (PTT.br) Belém</a>	187.16.195.253	1G
26162	2001:12f8:0:18::253	○
<a href="#">IX.br (PTT.br) Belém</a>	187.16.195.254	1G
26162	2001:12f8:0:18::254	○
<a href="#">IX.br (PTT.br) Brasília</a>	200.192.110.253	1G
26162	2001:12f8:0:13::253	○
<a href="#">IX.br (PTT.br) Brasília</a>	200.192.110.254	1G
26162	2001:12f8:0:13::254	○
<a href="#">IX.br (PTT.br) Campina Grande</a>	200.192.109.253	1G
26162	2001:12f8:0:12::253	○
<a href="#">IX.br (PTT.br) Campina Grande</a>	200.192.109.254	1G
26162	2001:12f8:0:12::254	○
<a href="#">IX.br (PTT.br) Campinas</a>	200.192.108.253	1G
26162	2001:12f8:0:11::253	○
<a href="#">IX.br (PTT.br) Campinas</a>	200.192.108.254	1G
26162	2001:12f8:0:11::254	○
<a href="#">IX.br (PTT.br) Caxias do Sul</a>	187.16.197.253	1G
26162	2001:12f8:0:20::253	○
<a href="#">IX.br (PTT.br) Caxias do Sul</a>	187.16.197.254	1G
26162	2001:12f8:0:20::254	○
<a href="#">IX.br (PTT.br) Curitiba</a>	187.16.192.253	1G
26162	2001:12f8:0:17::253	○

**Exemplo de consulta a uma URL personalizada.**

# Erros corrigidos localidades do IX.br

Localidade IX.br	#Erros
Belém	3
Belo Horizonte	4
Brasília	1
Campinas	3
Cuiabá	1
Curitiba	4
Florianópolis	5
Fortaleza	4
Goiânia	1
Manaus	1
Porto Alegre	7
Recife	1
Rio de Janeiro	6
Salvador	5
São José do Rio Preto	1
São Paulo	82
Total	129

**80 – ASNs desativados removidos**

**32 – ASNs com o AS26162 ou AS20121**

**12 – ASNs com endereço IP de Route Server ou Looking Glass**

**5 – ASNs com IP do ATMv4 antigo (/24)**

# Participantes IX.br – Cenário atual

<b>Localidade</b>	<b>#ASNs</b>	<b>PeeringDB</b>
<b>São Paulo</b>	1224	921
<b>Rio de Janeiro</b>	163	103
<b>Porto Alegre</b>	159	82
<b>Curitiba</b>	80	47
<b>Campina Grande</b>	65	18
<b>Fortaleza</b>	52	27
<b>Brasília</b>	46	24
<b>Salvador</b>	40	18
<b>Belo Horizonte</b>	39	23
<b>Campinas</b>	38	26

# Erros comuns de participantes do IX.br

- Pedido de afiliação para a organizações sem vínculo (NIC.br e Facebook)
- Chamados de suporte solicitando a inserção de informações no *PeeringDB*

# Últimas atualizações IX.br

PeeringDB  Register or Login

Advanced Search

## IX.br (PTT.br) Rio de Janeiro

Organization	<a href="#">NIC.br</a>	
Long Name	PTT Rio de Janeiro	
City	Rio de Janeiro/RJ	
Country	BR	
Continental Region	South America	
Media Type	Ethernet	
Protocols Supported	<input checked="" type="checkbox"/> Unicast IPv4 <input type="checkbox"/> Multicast <input checked="" type="checkbox"/> IPv6	
Contact Information		
Company Website	<a href="http://ix.br/">http://ix.br/</a>	
Traffic Stats Website	<a href="http://ix.br/trafego/agregado/rj">http://ix.br/trafego/agregado/rj</a>	
Technical Email	<a href="mailto:noc@ix.br">noc@ix.br</a>	
Technical Phone	+55 11 5509-3550	
Policy Email	<a href="mailto:info@ix.br">info@ix.br</a>	
Policy Phone	+55 11 5509 3550	
LAN		
MTU		
DOT1Q	<input type="radio"/>	
IPv4	45.6.52.0/22	
IPv6	2001:12f8:0:2::/64	
Local Facilities <input type="text" value="Filter"/>		
Facility	Country	City
Nothing matched your filter You may filter by Facility, Country or City		

### Peers at this Exchange Point

Peer Name	IPv4	Speed
ASN	IPv6	Policy
<a href="#">AdaptLink Servicos de Comunicação Multimidia LTDA</a>	45.6.52.150	1G
61890	2001:12f8:0:2::150	Open
<a href="#">AFINET SOLUCOES EM TECNOLOGIA DA INFORMACAO</a>	45.6.52.141	10G
262854	None	Open
<a href="#">AFINET SOLUCOES EM TECNOLOGIA DA INFORMACAO</a>	45.6.52.8	10G
262854	None	Open
<a href="#">Akamai Technologies</a>	45.6.52.192	20G
20940	None	Open
<a href="#">Algar Telecom</a>	45.6.52.6	10G
16735	2001:12f8:0:2::6	Selective
<a href="#">ALQG Tecnologia</a>	45.6.52.110	1G
52550	None	Open
<a href="#">Altarede Corporate</a>	45.6.52.132	10G
28260	2001:12f8:0:2::132	Open
<a href="#">Altarede Corporate</a>	45.6.52.97	10G
28260	2001:12f8:0:2::97	Open
<a href="#">Amazon.com</a>	45.6.52.34	20G
16509	2001:12f8:0:2::34	Open
<a href="#">Bitcanal</a>	45.6.52.29	1G
197426	2001:12f8:0:2::29	Open
<a href="#">Bom Tempo Telecom</a>	45.6.52.46	1G
53053	2001:12f8:0:2::46	Restrictive
<a href="#">Brasilnet Telecomunicações Ltda ME</a>	45.6.52.80	10G
262808	2001:12f8:0:2::80	Open

**Do total de 109 ASNs do IX.br Rio de Janeiro  
Antes do dia 27/04/2017 haviam 96  
ASNs com o endereço IP antigo**

# Últimas atualizações IX.br

PeeringDB  [Register or Login](#)  
[Advanced Search](#)

## IX.br (PTT.br) Aracaju

Organization	<a href="#">NIC.br</a>	
Long Name	IX.br (PTT.br) Aracaju	
City	Aracaju/SE	
Country	BR	
Continental Region	South America	
Media Type	Ethernet	
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6	
Contact Information		
Company Website	<a href="http://ix.br/">http://ix.br/</a>	
Traffic Stats Website	<a href="http://ix.br/trafego/agregado/se">http://ix.br/trafego/agregado/se</a>	
Technical Email	<a href="mailto:noc@ix.br">noc@ix.br</a>	
Technical Phone	+55 11 5509-3550	
Policy Email	<a href="mailto:info@ix.br">info@ix.br</a>	
Policy Phone	+55 11 5509 3550	
LAN		
MTU	1500	
DOT1Q	<input checked="" type="radio"/>	
IPv4	200.219.130.0/24	
IPv6	2001:12f8:0:1::/64	
Local Facilities <input type="text" value="Filter"/>		
Facility ▼	Country	City
Nothing matched your filter You may filter by Facility, Country or City		

### Peers at this Exchange Point

Peer Name ▼	IPv4	Speed
ASN	IPv6	Policy
<a href="#">MinasNet LTDA ME</a> ATM/MLPA	200.219.130.6	10G
52901	2001:12f8:0:1::6	Open
<a href="#">NIC.br - IX.br (PTT.br) MLPA</a>	200.219.130.253	1G
<a href="#">Route Servers</a> ATM/MLPA	2001:12f8:0:1::253	Open
26162		
<a href="#">NIC.br - IX.br (PTT.br) MLPA</a>	200.219.130.254	1G
<a href="#">Route Servers</a> ATM/MLPA	2001:12f8:0:1::254	Open
26162		
<a href="#">NIC.br - SARA</a> ATM/MLPA	200.219.130.252	1G
20121	2001:12f8:0:1::252	Open
<a href="#">NIC.br - SIMET</a> ATM/MLPA	200.219.130.10	1G
14026	2001:12f8:0:1::10	Open

# Como podemos ajudar?

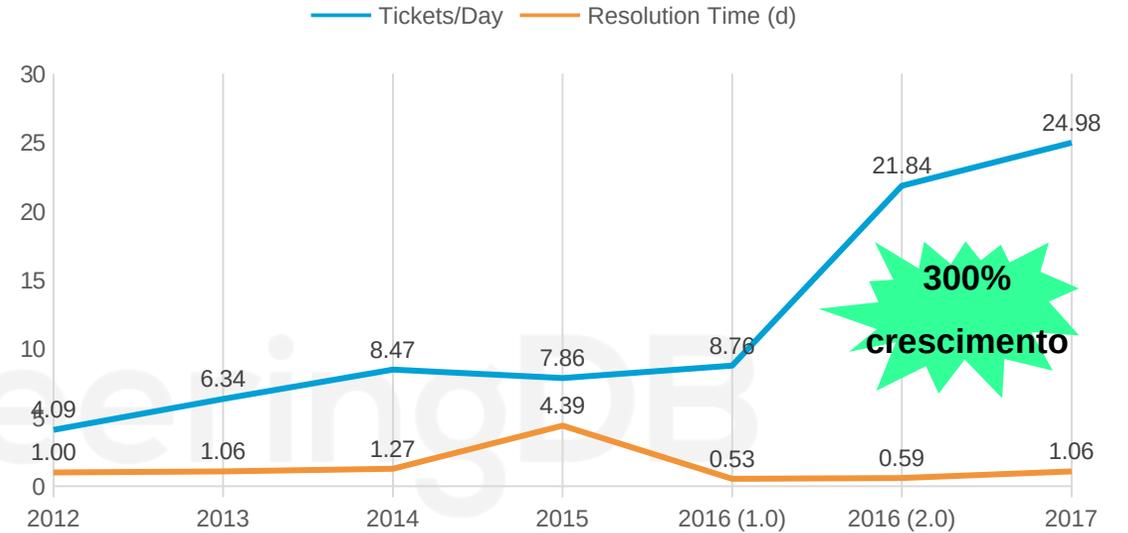
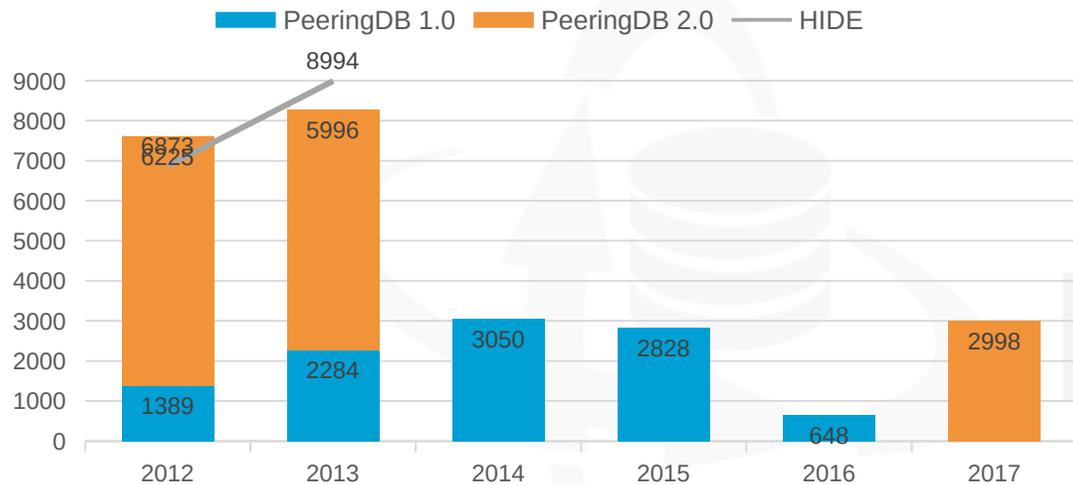
- Verifique as suas informações e certifique que estejam corretas
- Remova endereços IP não utilizados
- Envie *feedback*
- Melhore documentações
- Registre-se **SOMENTE** se você tiver uma rede para *peering*

# Desativação de participantes IX.br

Foi inserido no processo de desativação do IX.br uma etapa em que o participante seja avisado para remover dados que não estão mais em uso.

# Estatísticas de atendimento

Total Tickets/Year

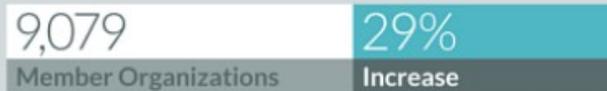


- Colaboradores espalhados pelo mundo em diferentes *time zones*
- O objetivo é resolver os *tickets* de suporte dentro de 24 horas

# Estatísticas de atendimento

## Vital Statistics and Growth

PeeringDB 2.0 Post-Launch (March 15, 2016 through December 31, 2016)



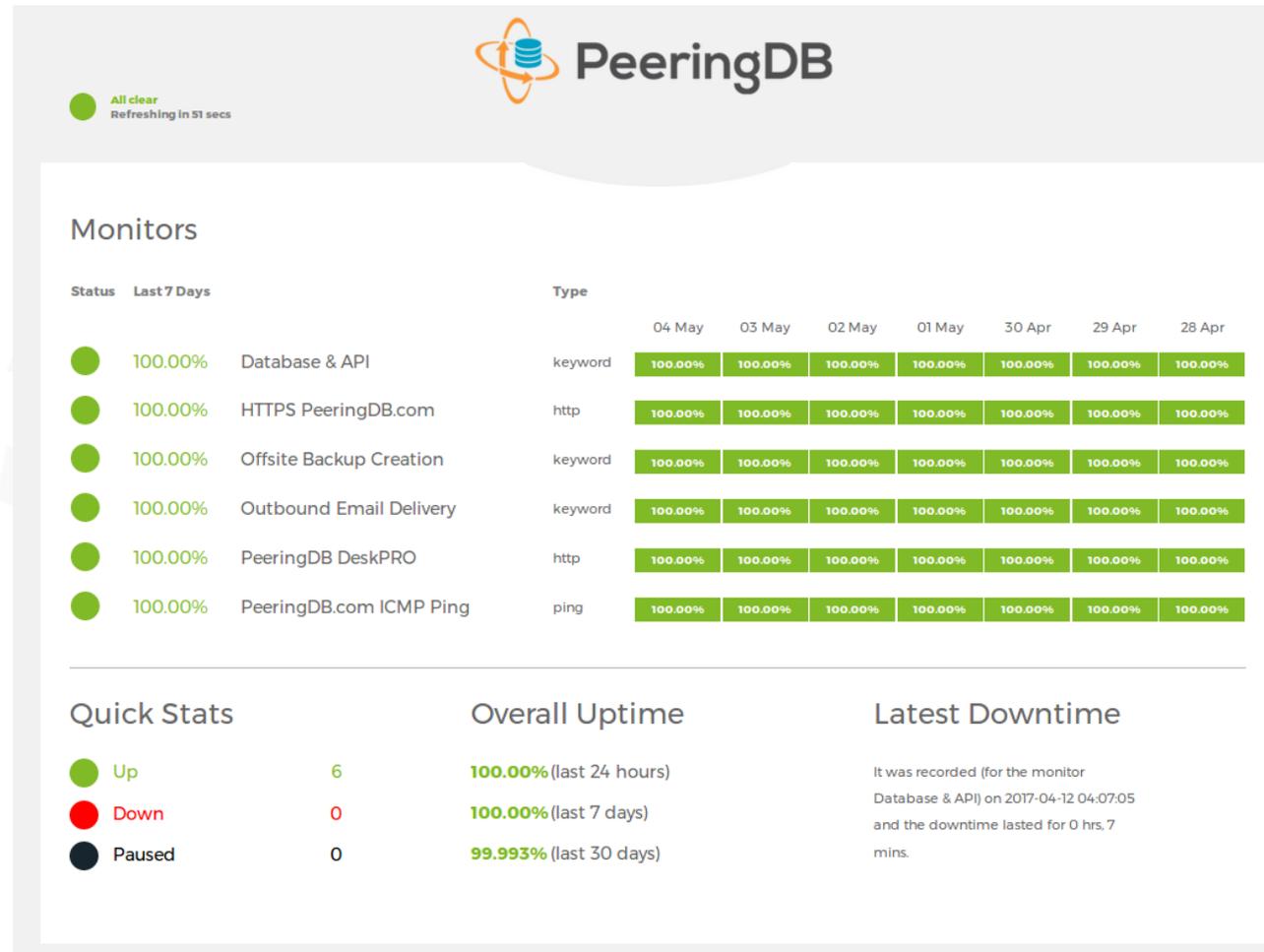
## Usage (December 2016)

Total Hits	8,587,768
Avg. Daily Hits	277,024
Unique Hits	61,173

## Support Tickets

Total Support Tickets	6,715
Avg. Tickets Per Day	22
Avg. Response Time	Less than 14 Hours

# Status da disponibilidade do serviço



# Conselho de Administração e Diretores

Chris Caputo – Secretary & Treasurer  
(Non-Board Member)



Patrick Gilmore – Director  
(Term Expires 2019)



Aaron Hughes – President  
(Term Expires 2018)



Arnold Nipper – Director  
(Term Expires 2019)



Bijal Sanghani – Director  
(Term Expires 2019)



Job Snijders – Vice President  
(Term Expires 2018)



# Comitê de Administração

<p>Samer Abdel-Hafez</p> 	<p>Hendrik Braasch</p> 	<p>Kate Gerry</p> 	<p>Christoffer Hansen</p> 	<p>Peter Helmenstine</p> 
<p>Florian Hibler</p> 	<p>Eric Lindsjö</p> 	<p>Arnold Nipper – Vice Chair</p> 	<p>Job Snijders – Chair</p> 	<p>Michael Still</p> 

# Comitê de Produto

Karthik Arumugham



Matt Griswold –  
Vice Chair



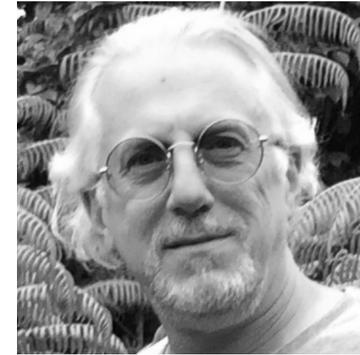
Greg Hankins



Aaron Hughes –  
Chair



Martin J. Levy



Eric Loos



Chris Malayter



Stephen McManus



Arnold Nipper



Kay Rechthien



Walt Wollny



# Atribuições

## Comitê de Administração

- Gerenciar contas de usuários
- Respostas a *tickets*
- Procurando 2 voluntários da comunidade
- Contato:  
[admincom@lists.peeringdb.com](mailto:admincom@lists.peeringdb.com)

## Comitê de Produto

- Atende a demanda de novas funcionalidades da comunidade
- Gerencia desenvolvimento e prioridades
- Contato:  
[productcom@lists.peeringdb.com](mailto:productcom@lists.peeringdb.com)

# Patrocinadores

The screenshot displays the PeeringDB website's sponsor page. At the top, there is a search bar and navigation links for 'Register' and 'Login'. The page is organized into four horizontal sections, each representing a different level of sponsorship:

- DIAMOND SPONSORS:** Features the Microsoft logo.
- PLATINUM SPONSORS:** Features logos for YAHOO!, DE CIX, Google, and MARKLEY.
- GOLD SPONSORS:** Features logos for FranceX Convergence hub, facebook, Internet Society, IX, and AUSTRALIA (INTERNET PEERING FOR AUSTRALIA).
- SILVER SPONSORS:** A grid of logos including lacnic, cologix, border 6, RIPE NCC, NIX-CZ, LINX, Akamai, SyntEleven, NYIX, LAIIX, NTT Communications, netnod, APNIC, KDDI, TELEHOUSE, zenlayer, workonline communications, amSIX, interxion, BBIX, NLIX, and DIGITAL REALTY.

# Listas de Email, Redes Sociais e Documentos

- Announce:  
<http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-announce>
  - Governance: <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
  - Technical: <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-tech>
  - User Discuss:  
<http://lists.peeringdb.com/cgi-bin/mailman/listinfo/user-discuss>
-  @PeeringDB
-  <https://www.facebook.com/peeringdb/>
- Documentos, apresentações, guias, ferramentas:  
<http://docs.peeringdb.com/>



# Perguntas ?

*<https://www.peeringdb.com/>*

*<http://docs.peeringdb.com/>*