



PeeringDB 2.0 e o Cenário Brasileiro

Eduardo Ascenço Reis <eascenco@peeringdb.com> , <eascenco@nic.br>

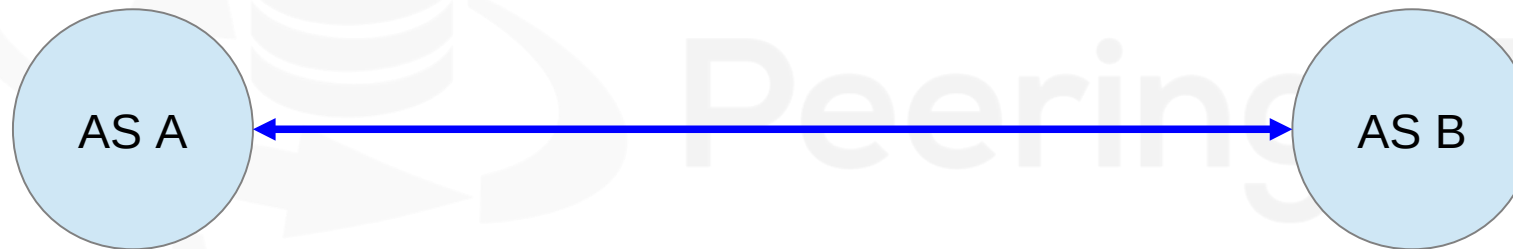
Julimar Lunguinho Mendes <julimar@nic.br>



GTER 41
12 Maio 2016
Uberlândia, MG - Brasil

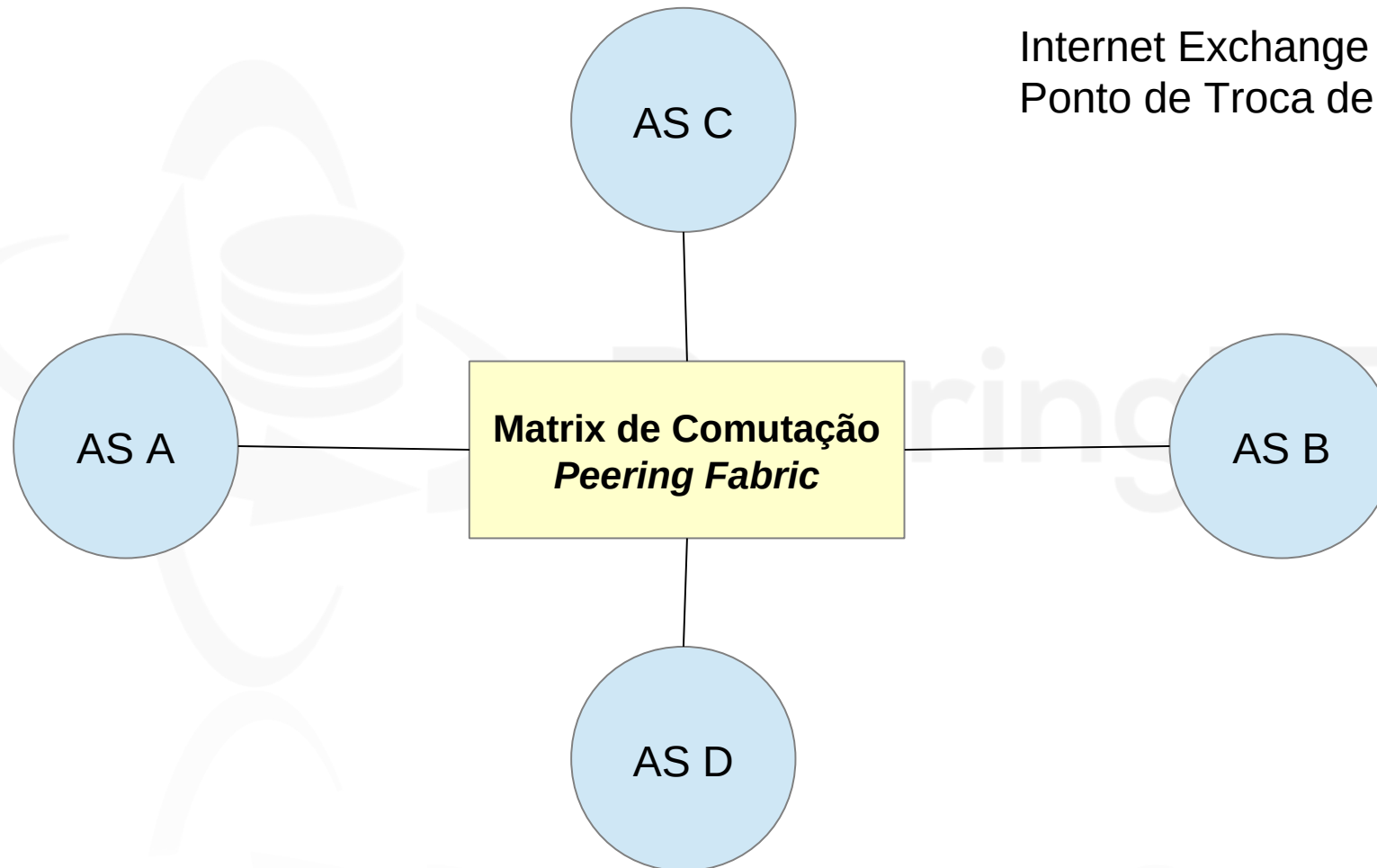
O que é Peering?

Peering ou Internet Peering = Troca de Tráfego Internet



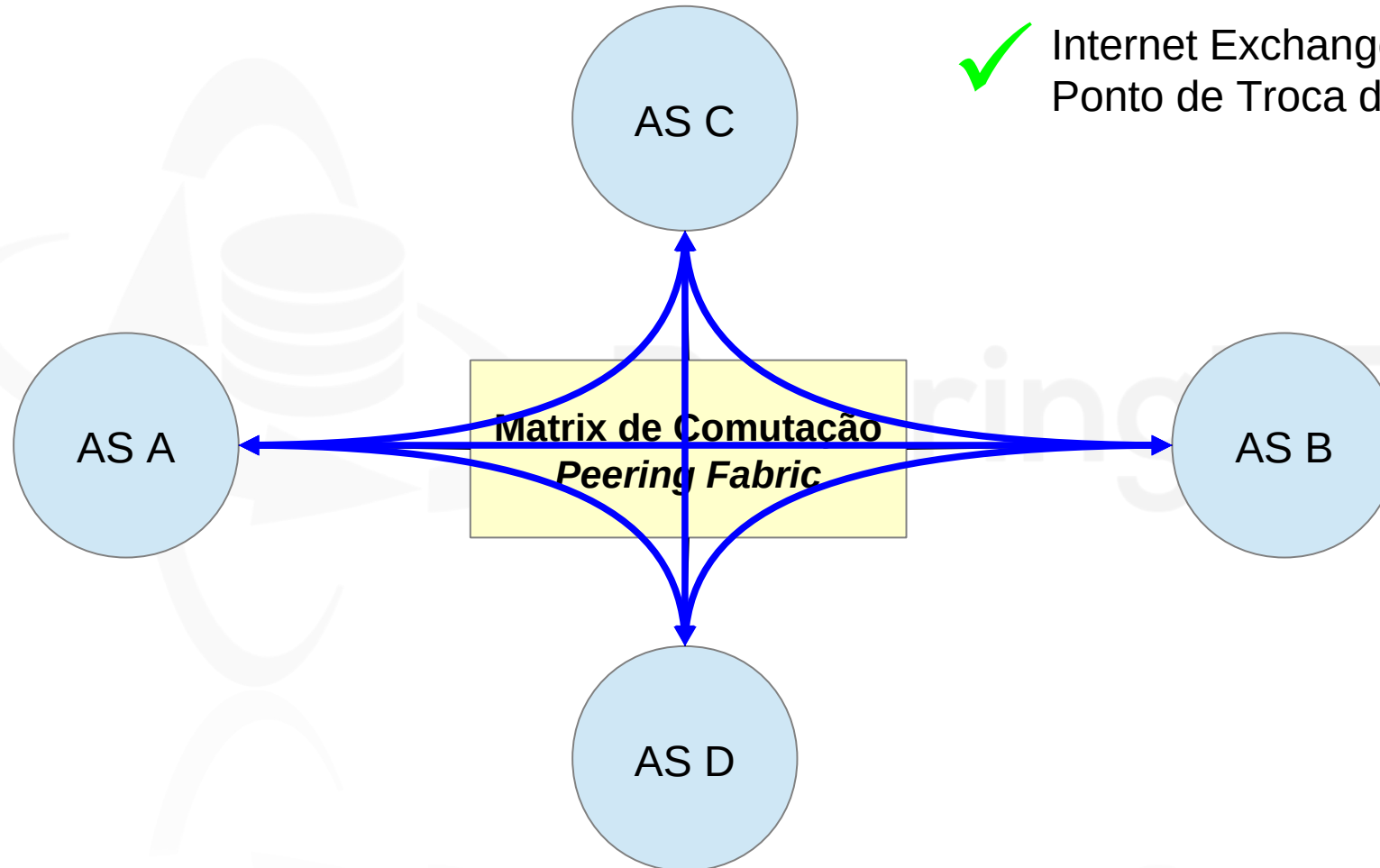
Relacionamento entre Sistemas Autônomos (AS)

O que é Peering?



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

O que é Peering?



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

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 dos principais ASNs e IXPs (Internet Exchange Points) do mundo.

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 2.0

A plataforma 2.0 do PeeringDB foi lançada no dia 15 de março de 2016.

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

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Todas informações devem ser atualizadas pelo próprio AS/usuário.

PeeringDB e as Informações dos AS

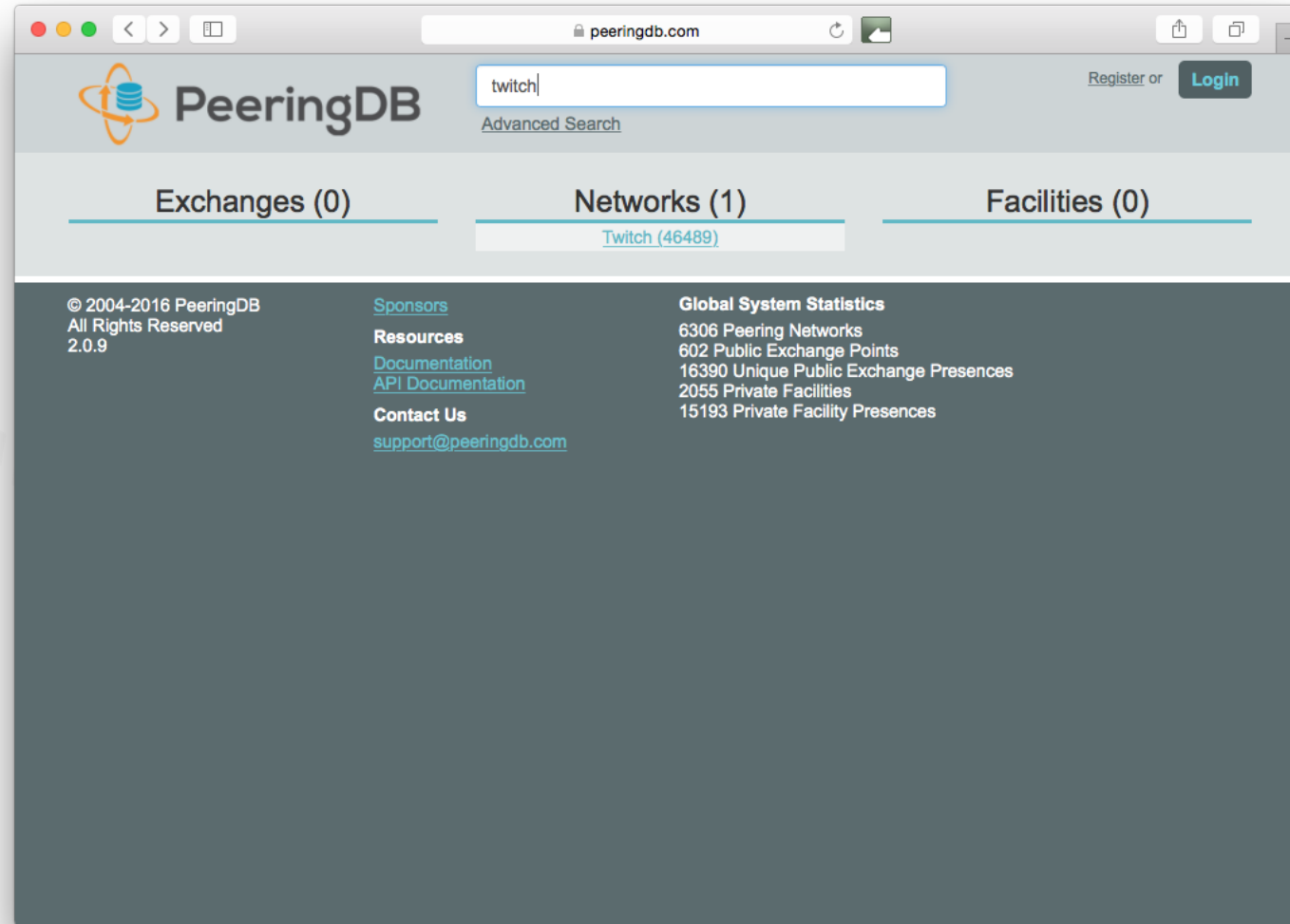
Para cadastrar utilize um e-mail corporativo que possua algum vínculo com o AS, de forma a facilitar a análise e validação de sua conta pelos administradores do projeto.

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.

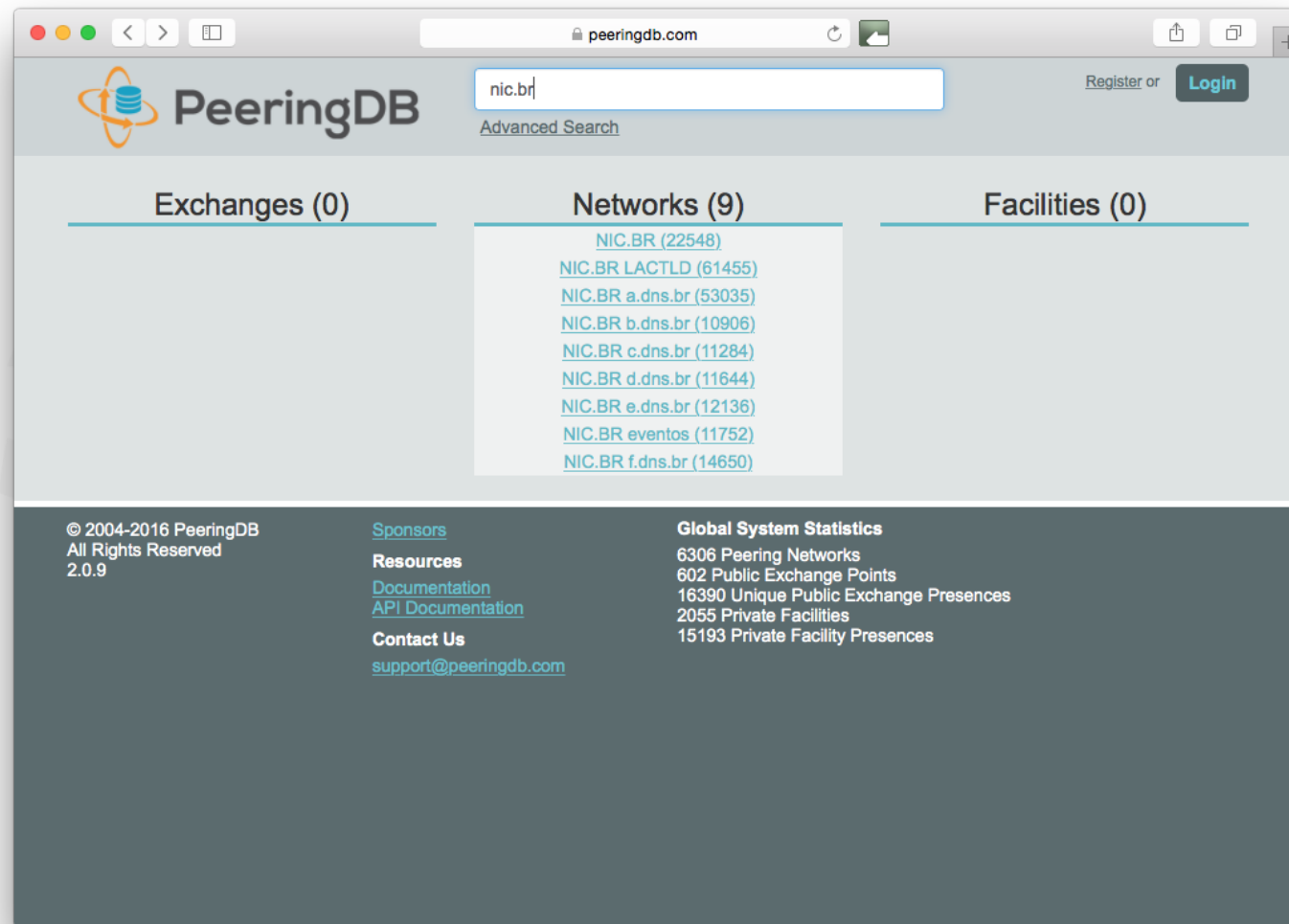
Contato: support@peeringdb.com

PeeringDB – Consulta Pública



The screenshot shows the PeeringDB website interface. At the top, there is a search bar with the text 'twitch' entered. To the right of the search bar are links for 'Register or Login'. Below the search bar, the page is divided into three sections: 'Exchanges (0)', 'Networks (1)', and 'Facilities (0)'. Under the 'Networks (1)' section, there is a link for 'Twitch (46489)'. The footer contains copyright information, a 'Sponsors' link, 'Resources' (Documentation, API Documentation), 'Contact Us' (support@peeringdb.com), and 'Global System Statistics' (6306 Peering Networks, 602 Public Exchange Points, 16390 Unique Public Exchange Presences, 2055 Private Facilities, 15193 Private Facility Presences).

PeeringDB – Consulta Pública



The screenshot shows the PeeringDB website interface. At the top, there is a search bar containing 'nic.br' and a search button. The page is divided into three columns: Exchanges (0), Networks (9), and Facilities (0). The Networks column lists several entries under the heading 'NIC.BR (22548)'. The footer contains copyright information, links to Sponsors, Resources, and Contact Us, and Global System Statistics.

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2.0.9

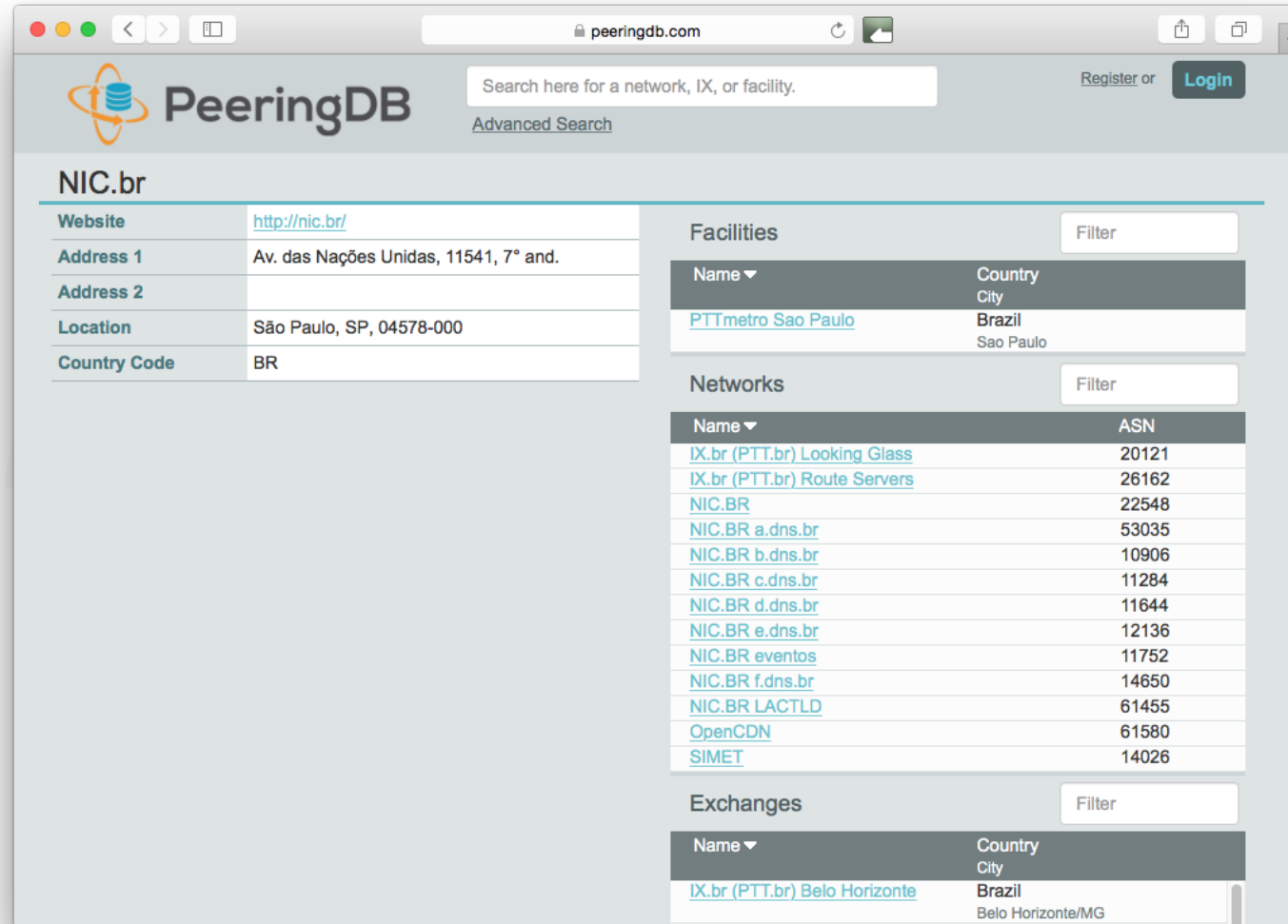
[Sponsors](#)

Resources
[Documentation](#)
[API Documentation](#)

Contact Us
support@peeringdb.com

Global System Statistics
6306 Peering Networks
602 Public Exchange Points
16390 Unique Public Exchange Presences
2055 Private Facilities
15193 Private Facility Presences

PeeringDB – Consulta Pública



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". The main content area is titled "NIC.br" and contains several sections:

- Website:** <http://nic.br/>
- Address 1:** Av. das Nações Unidas, 11541, 7° and.
- Address 2:**
- Location:** São Paulo, SP, 04578-000
- Country Code:** BR

Below the address information, there are three tables:

- Facilities:** A table with columns "Name" and "Country City". It lists "PTTmetro Sao Paulo" in Brazil, Sao Paulo.
- Networks:** A table with columns "Name" and "ASN". It lists various networks including IX.br (PTT.br) Looking Glass (20121), IX.br (PTT.br) Route Servers (26162), NIC.BR (22548), and several NIC.BR a.dns.br through f.dns.br domains with their respective ASNs.
- Exchanges:** A table with columns "Name" and "Country City". It lists "IX.br (PTT.br) Belo Horizonte" in Brazil, Belo Horizonte/MG.

PeeringDB – Consulta Pública

peeringdb.com

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

PeeringDB Advanced Search

Exchanges Networks Facilities

Name

City

Country ctrl/cmd click to select multiple

- Botswana
- Bouvet Island
- Brazil**
- British Indian Ocean Territory
- Brunei Darussalam
- Bulgaria

Continental Region ctrl/cmd click to select multiple

- North America
- Asia Pacific
- Europe
- South America
- Africa
- Australia

IP Block

Media Type ctrl/cmd click to select multiple

- Ethernet
- ATM
- Multiple

Reset Search

Name	Media Type	Coun...	City
------	------------	---------	------

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[API Documentation](#)
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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. [Advanced Search](#)

Register or [Login](#)

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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[Documentation](#)
[API Documentation](#)


Contact Us
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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30 minutes ago
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44 minutes ago
- [DIAMATRIX \(327979\)](#)
2 hours ago

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[Sponsors](#)

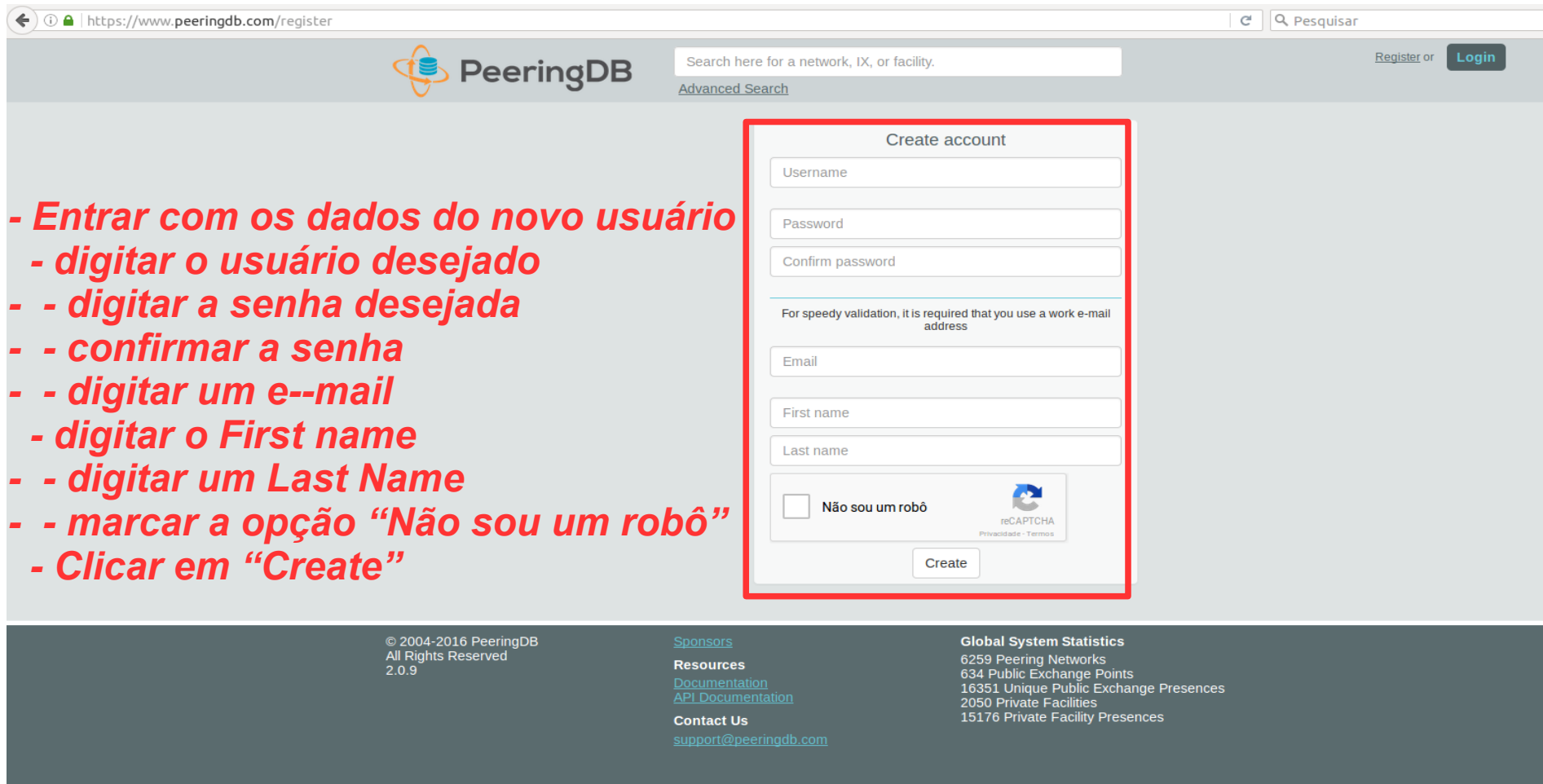
Resources
[Documentation](#)
[API Documentation](#)

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- 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. The footer of the page contains copyright information, links to Sponsors, Resources (Documentation, API Documentation), Contact Us (support@peeringdb.com), and Global System Statistics.

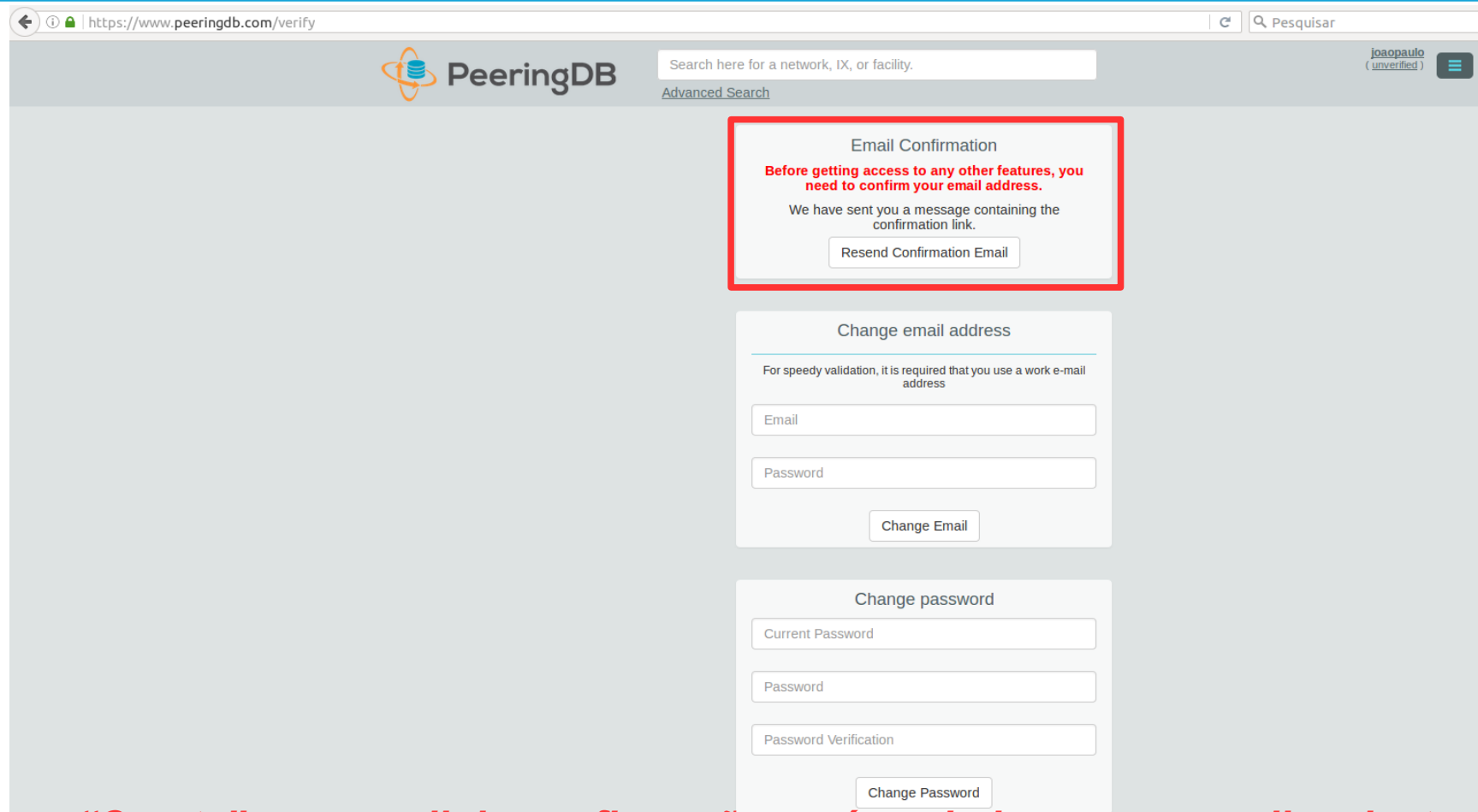
- Entrar com os dados do novo usuário
- digitar o usuário desejado
- - digitar a senha desejada
- - confirmar a senha
- - digitar um e-mail
- digitar o First name
- - digitar um Last Name
- - marcar a opção “Não sou um robô”
- Clicar em “Create”

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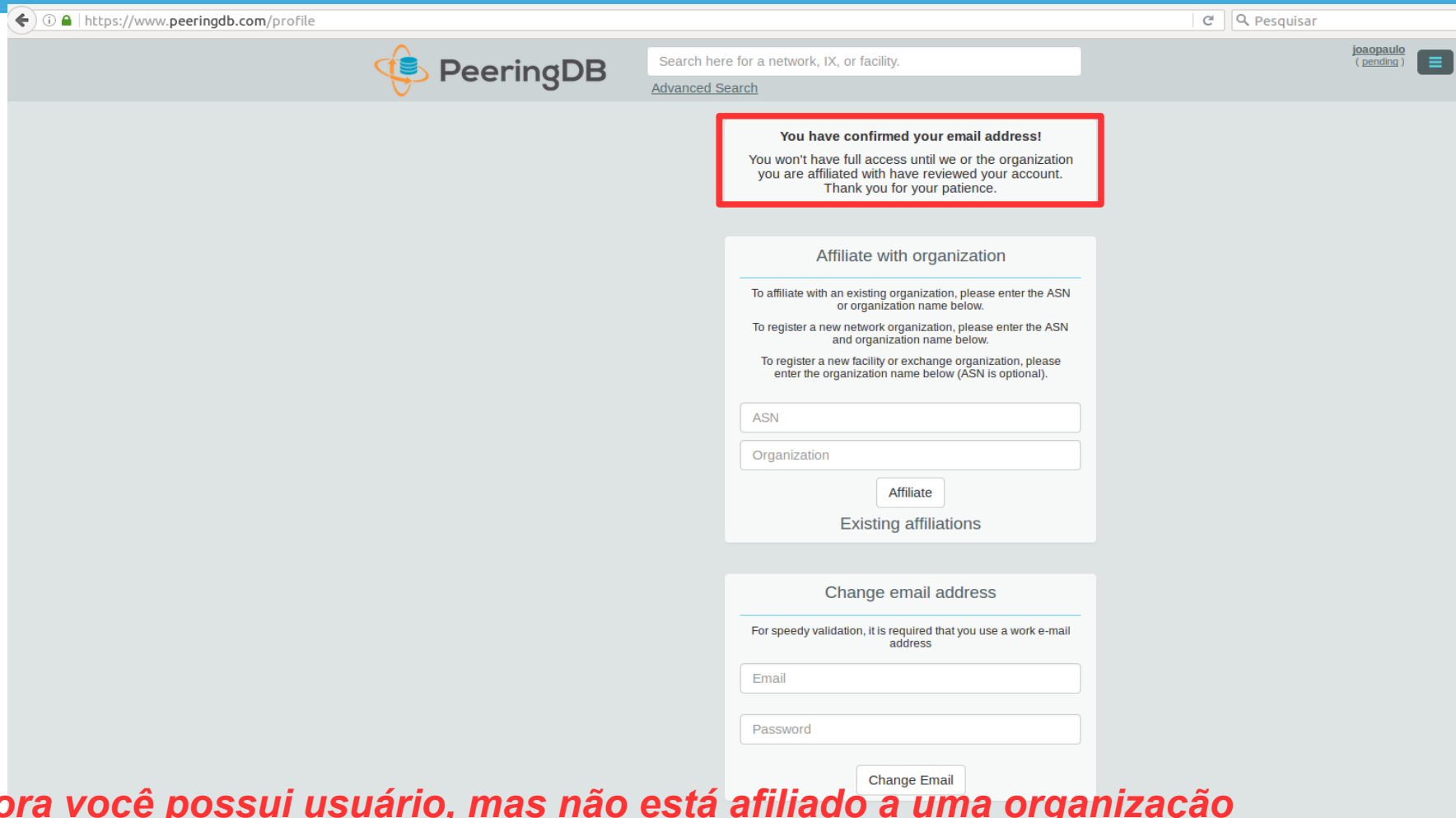
IX.br(PTT.br) – Guia PeeringDB



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 on the left. The main content area features three sections: "Email Confirmation", "Change email address", and "Change password". The "Email Confirmation" section is highlighted with a red border and 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. 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-bordered 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 are two forms. The first, "Affiliate with organization", has instructions for existing, new network, and new facility/exchange organizations, with input fields for "ASN" and "Organization" and an "Affiliate" button. The second, "Change email address", has instructions for using a work email, with 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

Pesquisar

PeeringDB

Search here for a network, IX, or facility.

Advanced Search

joapaulo (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

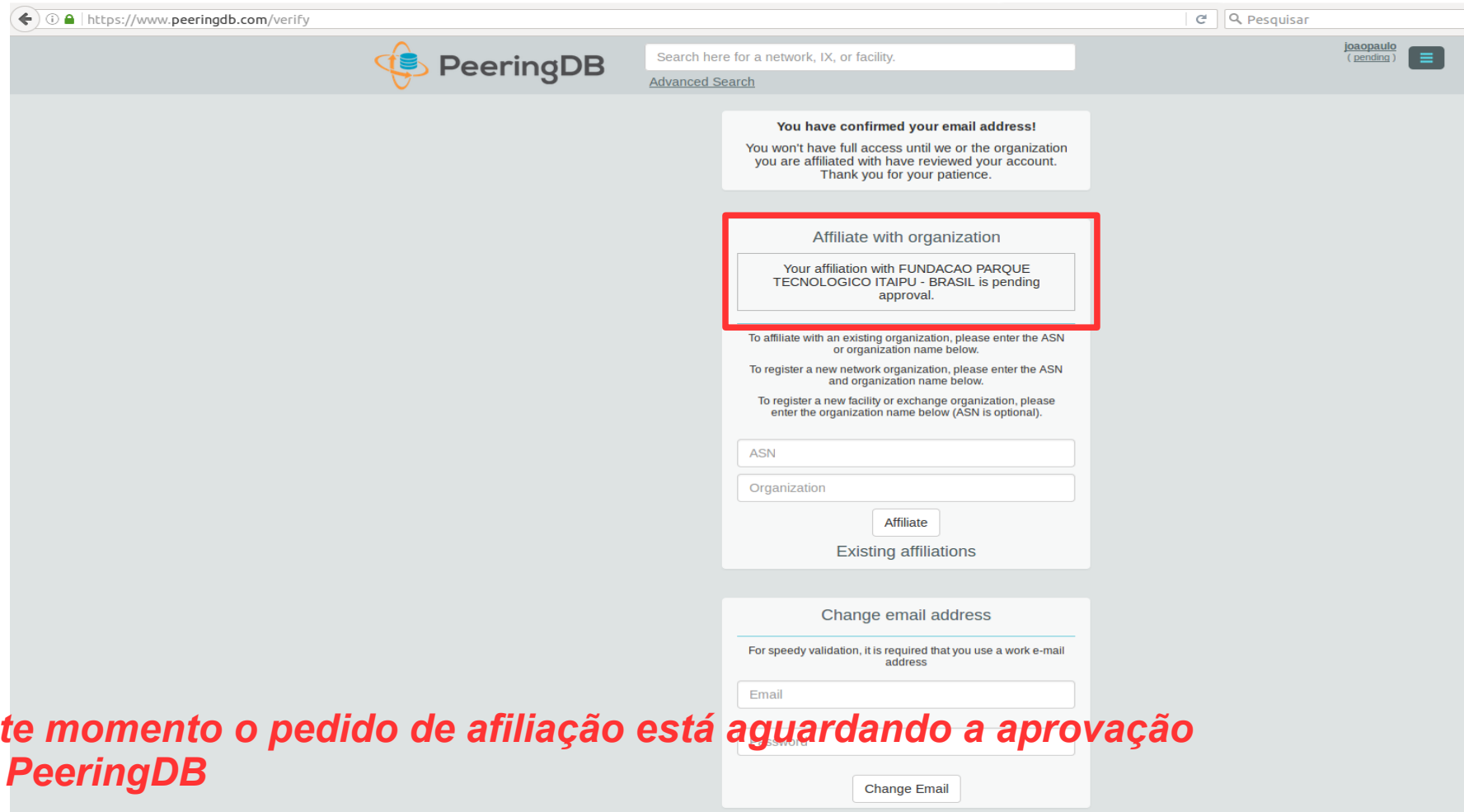
Email

Password

Change Email

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

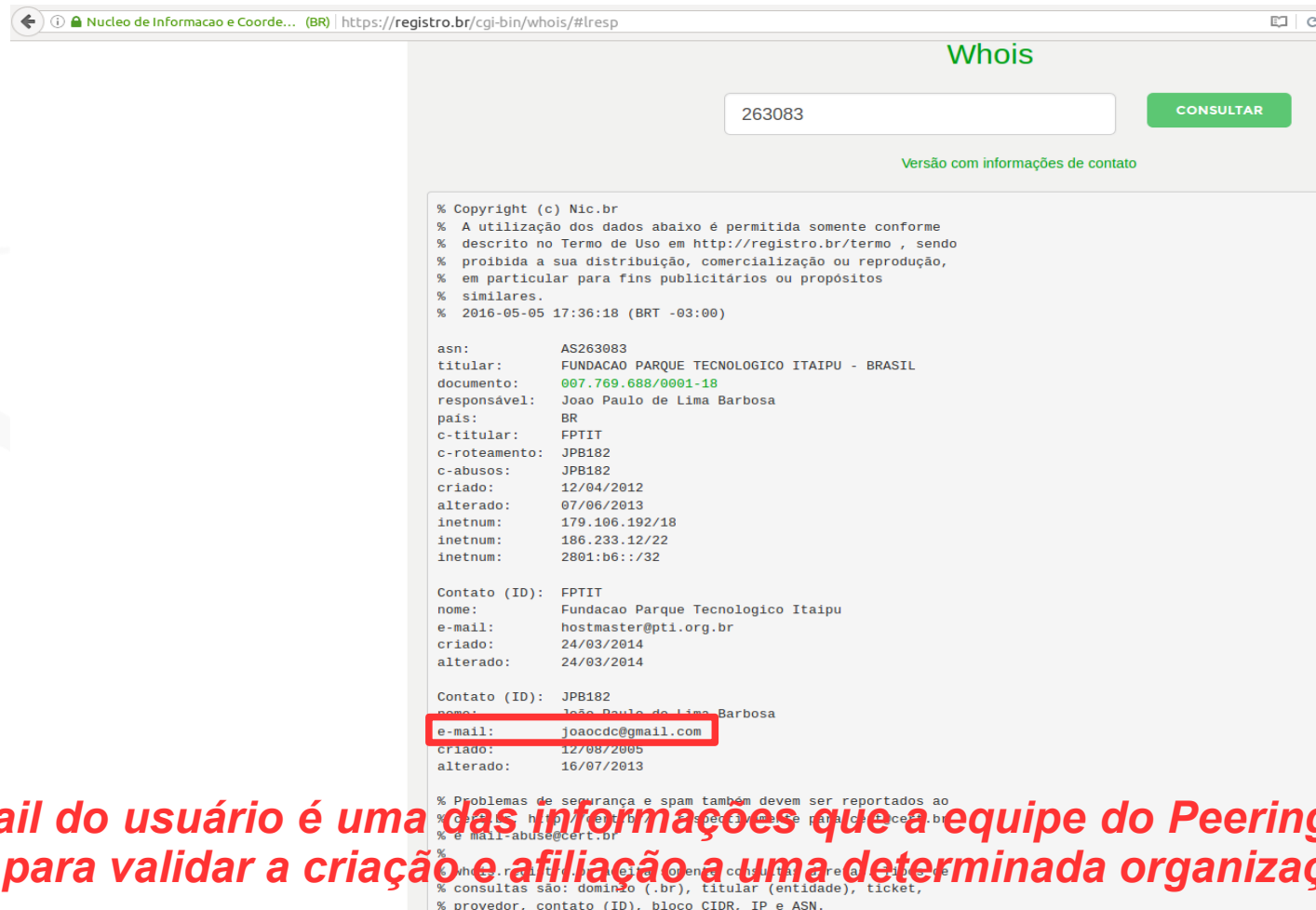
IX.br(PTT.br) – Guia PeeringDB



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 user profile for "joapaulo (pending)". 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 is a red-bordered box containing the text: "Affiliate with organization. Your affiliation with FUNDACAO PARQUE TECNOLOGICO ITAIPU - BRASIL is pending approval." Underneath the red box are instructions for affiliation and a form with fields for "ASN" and "Organization", and an "Affiliate" button. Below the form is a section titled "Existing affiliations". At the bottom of the screenshot is a "Change email address" section with a note: "For speedy validation, it is required that you use a work e-mail address" and a "Change Email" button.

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

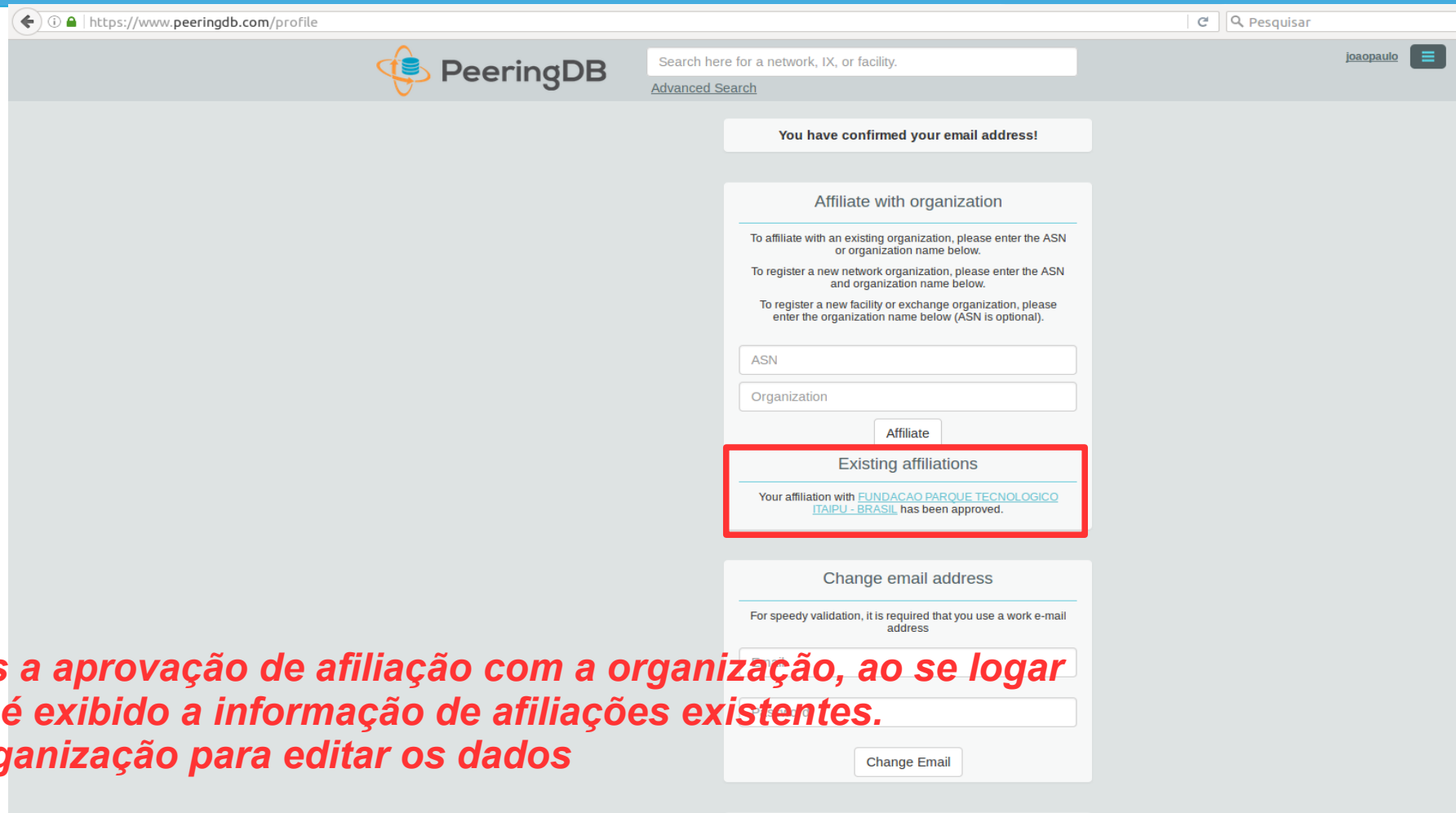
Contato (ID): FPTIT
nome:         Fundacao Parque Tecnologico Itaipu
e-mail:       hostmaster@pti.org.br
criado:       24/03/2014
alterado:     24/03/2014

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
% e-mail-abuse@cert.br
% e-mail-abuse@cert.br
%
% Whois.rnlipti.org.br: Questões técnicas, consultas e reclamações
% consultas são: domínio (.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 for user 'joaopaulo'. The page has a search bar at the top with the text 'Search here for a network, IX, or facility.' and a search button labeled 'Pesquisar'. Below the search bar is the PeeringDB logo and the text 'Advanced Search'. The main content area is divided into several sections:

- You have confirmed your email address!**
- 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).
- Input fields for 'ASN' and 'Organization'.
- An 'Affiliate' button.
- Existing affiliations** (highlighted with a red box)
 - Your affiliation with [FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL](#) has been approved.
- Change email address**
 - For speedy validation, it is required that you use a work e-mail address.
- Input fields for 'New Email' and 'Current Email'.
- 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
FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL	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

LL-NNN

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

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

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

FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU Cancel Save

Website	http://www.pti.org.br/
Address 1	Parque Tecnológico Itaipu, 6731 - PTI - Bloco 10 - Esp...
Address 2	
Location	Foz do Iguaçu
	PR
	85867900
Country Code	Brazil

Facilities Filter

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

Networks Filter

Name	ASN
FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL	263083

Exchanges Filter

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

Cancel Save

Manage

Add Facility Add Network Add Exchange Users Permissions

Name	
Website	http://www.example.com
Address 1	
Address 2	
City	
State	
Zip-Code	
Country	United States
CLLI Code	

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

Submit Facility

Exemplo de preenchimento dos dados de uma organização.

IX.br(PTT.br) – Guia PeeringDB

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

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

FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL

Edit

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

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

Networks Filter

Name	ASN
FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL	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

Submit Facility

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. joapaulo

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 conexão 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

IX.br(PTT.br) – Guia PeeringDB

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

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

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 type="text" value="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). The 'Add Facility' form is highlighted with a red box, showing fields for Name, Website, Address 1, Address 2, City, State, Zip Code, Country, 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 'FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL'. The main profile information includes 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 has tabs for 'Add Facility', 'Add Network', 'Add Exchange', 'Users', and 'Permissions'. The 'Add Network' tab is highlighted with a red box. Below it is a form to add a new network with fields for Name, Website, Primary ASN, IRR Record, Network Type, Traffic Levels, and Traffic Ratio. 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 - PT1 - Bloco 10 - Espaço 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 search filter. The 'Networks' section shows one entry: 'FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL' with ASN 263083. Below this is the 'Manage' section with tabs for 'Add Facility', 'Add Network', 'Add Exchange', 'Users', and 'Permissions'. The 'Add Exchange' tab is highlighted with a red box. The form for adding an exchange includes fields for Name, Website (http://www.example.com), City, Country (United States), Continental Region (North America), Media Type (Ethernet), Multicast (unchecked), IPv6 (unchecked), 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 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. joapaulo

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

Users: 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
joapaulo			

Save

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Sponsors

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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

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		
João 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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Usuários com nível de privilégio admin podem aprovar, ou não, A afiliação de novos usuários a Organização.

IX.br(PTT.br) – Guia PeeringDB

The screenshot shows the PeeringDB interface for the organization 'FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL'. The 'Permissions' tab is selected and highlighted with a red box. The page contains a table with details about the organization, including its website, address, location, and country code. Below this, there are sections for 'Facilities', 'Networks', and 'Exchanges', each with a search filter. The 'Permissions' section is currently empty, with a message stating: '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'. A 'Save' button is visible at the bottom of the permissions section.

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: Nothing matched your filter

Networks: FUNDAÇÃO PARQUE TECNOLÓGICO ITAIPU - BRASIL (ASN: 263083)

Exchanges: Nothing matched your filter

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.

Na aba "Permissions" é possível atribuir níveis de permissões (privilegios) 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

Exemplo de consulta a uma URL personalizada.

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

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

IX.br (PTT.br) Route Servers

Organization	NIC.br
Also Known As	
Company Website	https://ix.br/
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	2016-04-14T19:44:53Z
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) SÃ£o Paulo we recommend a maximum-prefixes setting 30K for IPv4

Peering Policy Information

Peering Policy	
General Policy	Open
Multiple Locations	Not Required
Ratio Requirement	No
Contract Requirement	Not Required

Public Peering Exchange Points

Exchange ASN	IPv4 IPv6	Speed RS Peer
IX.br (PTT.br) Belo Horizonte	200.219.139.253	1G
26162	2001:12f8:0:3::253	○
IX.br (PTT.br) Belo Horizonte	200.219.139.254	1G
26162	2001:12f8:0:3::254	○
IX.br (PTT.br) Belém	187.16.195.253	1G
26162	2001:12f8:0:18::253	○
IX.br (PTT.br) Belém	187.16.195.254	1G
26162	2001:12f8:0:18::254	○
IX.br (PTT.br) Brasília	200.192.110.253	1G
26162	2001:12f8:0:13::253	○
IX.br (PTT.br) Brasília	200.192.110.254	1G
26162	2001:12f8:0:13::254	○
IX.br (PTT.br) Campina Grande	200.192.109.253	1G
26162	2001:12f8:0:12::253	○
IX.br (PTT.br) Campina Grande	200.192.109.254	1G
26162	2001:12f8:0:12::254	○
IX.br (PTT.br) Campinas	200.192.108.253	1G
26162	2001:12f8:0:11::253	○
IX.br (PTT.br) Campinas	200.192.108.254	1G
26162	2001:12f8:0:11::254	○
IX.br (PTT.br) Caxias do Sul	187.16.197.253	1G
26162	2001:12f8:0:20::253	○
IX.br (PTT.br) Caxias do Sul	187.16.197.254	1G
26162	2001:12f8:0:20::254	○
IX.br (PTT.br) Cuiabá	187.16.203.253	1G
26162	2001:12f8:0:26::253	○
IX.br (PTT.br) Cuiabá	187.16.203.254	1G
26162	2001:12f8:0:26::254	○
IX.br (PTT.br) Curitiba	200.219.140.253	1G

Private Peering Facilities

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

Múltiplos Registros abaixo de uma mesma Organização

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

Name	Country	City
IXCardiff	United Kingdom	Cardiff

Networks

Name	ASN
LINX Route Servers	8714
London Internet Exchange (LINX)	5459

Exchanges

Name	Country	City
IXCardiff	United Kingdom	Cardiff
IXManchester	United Kingdom	Manchester
IXScotland	United Kingdom	Scotland
LINX Extreme LAN	United Kingdom	London
LINX Juniper LAN	United Kingdom	London
LINX NoVA	United States	Northern Virginia

Facilities ou Instalações
LINX tem 1 Facility

Networks ou ASN
LINX tem 2 Registros de Redes (ASN)

Internet Exchanges (IX)

LINX tem 6 Registros de Exchanges

Uma conta pode gerenciar várias Organizações

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 to "Advanced Search". In the top right corner, the word "job" is circled in blue, indicating the current user account. Below the search bar is a form titled "Affiliate with Organization". The form contains two input fields: "ASN" and "Organization", followed by an "Affiliate" button. Below the form is a section titled "Existing Affiliations" which lists four approved affiliations: "NTT Communications (Global)", "NLNOG RING", "Netwerkvereniging Coloclue", and "Snijders IT". A blue arrow points from the "job" account label to the "Existing Affiliations" section.

A conta “job”
está afiliada a 4
Organizações

Obrigado aos Patrocinadores

Platinum
Sponsor



Silver
Sponsor
s



Listas de Email e Redes Sociais

- **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/>

Perguntas ?

- PeeringDB Officers & Board (stewards@lists.peeringdb.com)
 - Aaron Hughes – President, Director
 - Patrick Gilmore – Vice President, Director
 - Chris Caputo – Secretary & Treasurer (non-board member)
 - Matt Griswold – Director
 - Arnold Nipper – Director
 - Job Snijders – Director
- PeeringDB Admins (support@peeringdb.com)

Obrigado – Estudo de Caso PTI

asn: AS263083
titular: FUNDACAO PARQUE TECNOLOGICO ITAIPU - BRASIL
documento: 007.769.688/0001-18
responsável: **João Paulo de Lima Barbosa**

Obrigado a Richard Turkbergen

The PeeringDB Board hereby expresses its enormous appreciation to Richard A. Turkbergen (née Steenbergen) for his creation and donation of PeeringDB to the organization.





Perguntas ?

support@peeringdb.com

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

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