

PeeringDB

PeeringDB Basics @ MDNOG

Introduction

Livio –President
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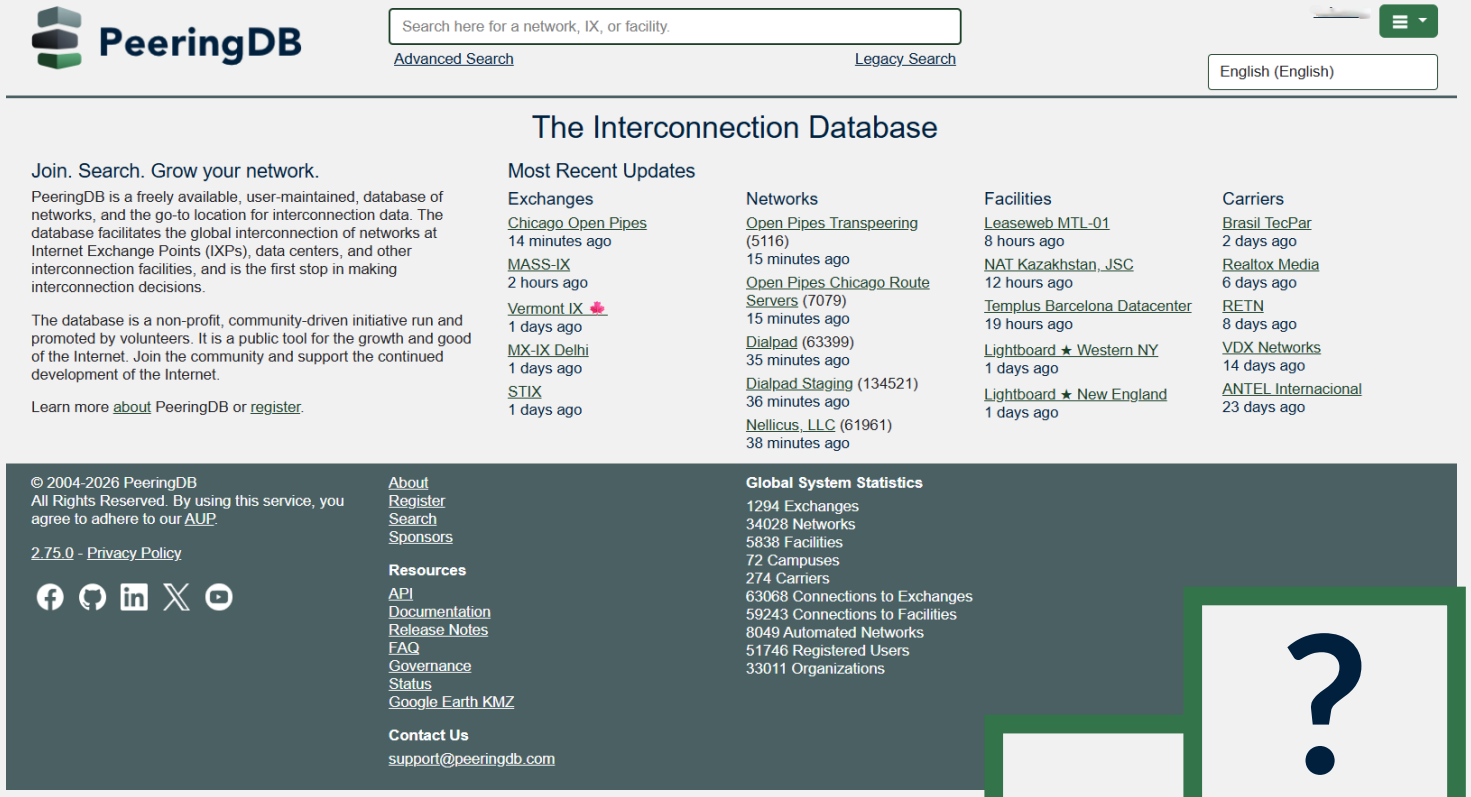
Committees

PeeringDB ♥ volunteers global

What is PeeringDB?

Nonprofit-based

- Facilitates - maintained information IXPs, operators
- Free —open the
- PeeringDB akes network and establish



Open -1 -1

Released -

-2-Clause

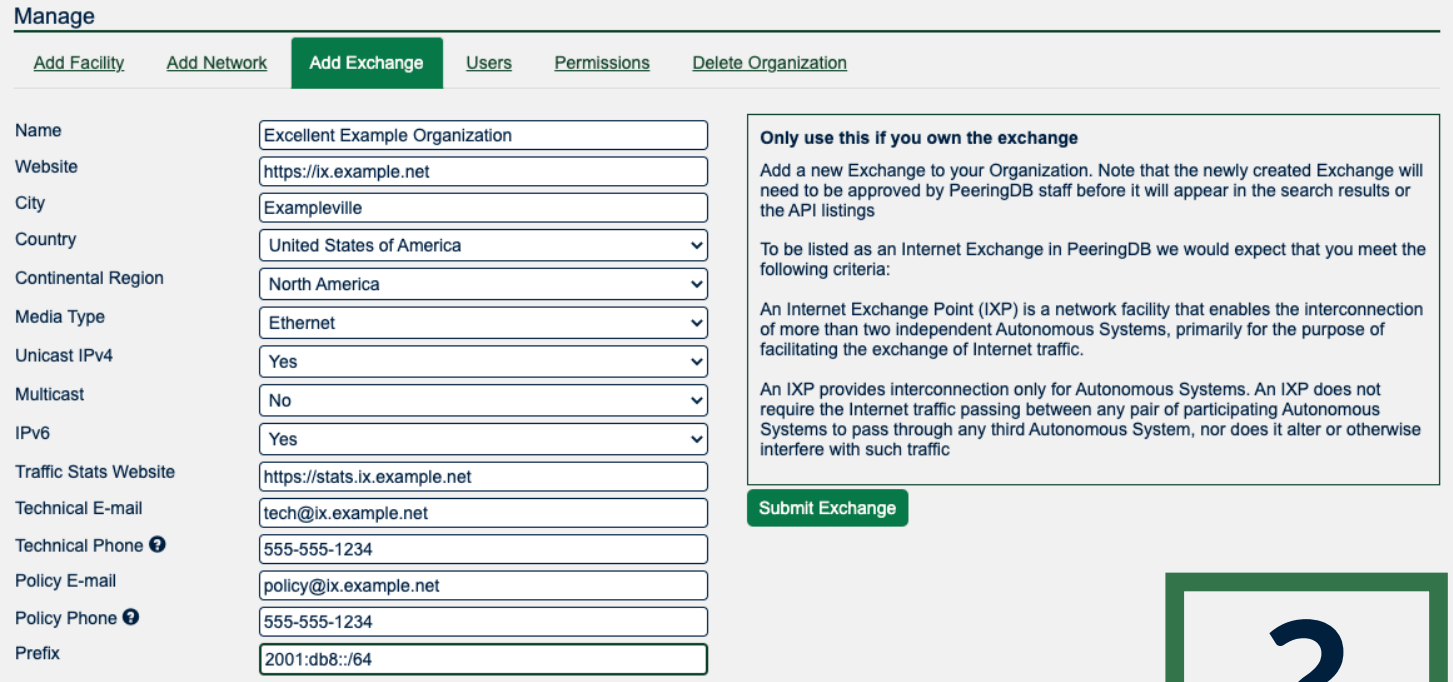
What is PeeringDB?

-
- Basic —must have
- Register ASN /
- Keep to ensure
- Comm-du mi vte yd ata maintained

Open -1 -1

Released -

-2-Clause





How PeeringDB is Used Today

ISP Expansion

An ISP entering a new market can:
- Search IXPs in a region
- Identify networks present
- Estimate interconnection opportunities

Capacity Planning

Operators review:
- Existing exchange participation
- Facility presence
- Regional connectivity opportunities

Peering Requests

Networks use PeeringDB to find:
- Peering contacts
- Technical contacts
- NOC contacts

IXP Promotion

Internet Exchange Points use PeeringDB to:
- Attract members
- Showcase participants
- Increase visibility

Data Centre Visibility >

Show which networks are present
Highlight interconnection ecosystems
Attract customers

Creating a PeeringDB Profile

Step 1: Create an Account

Register using a business email
Verify account

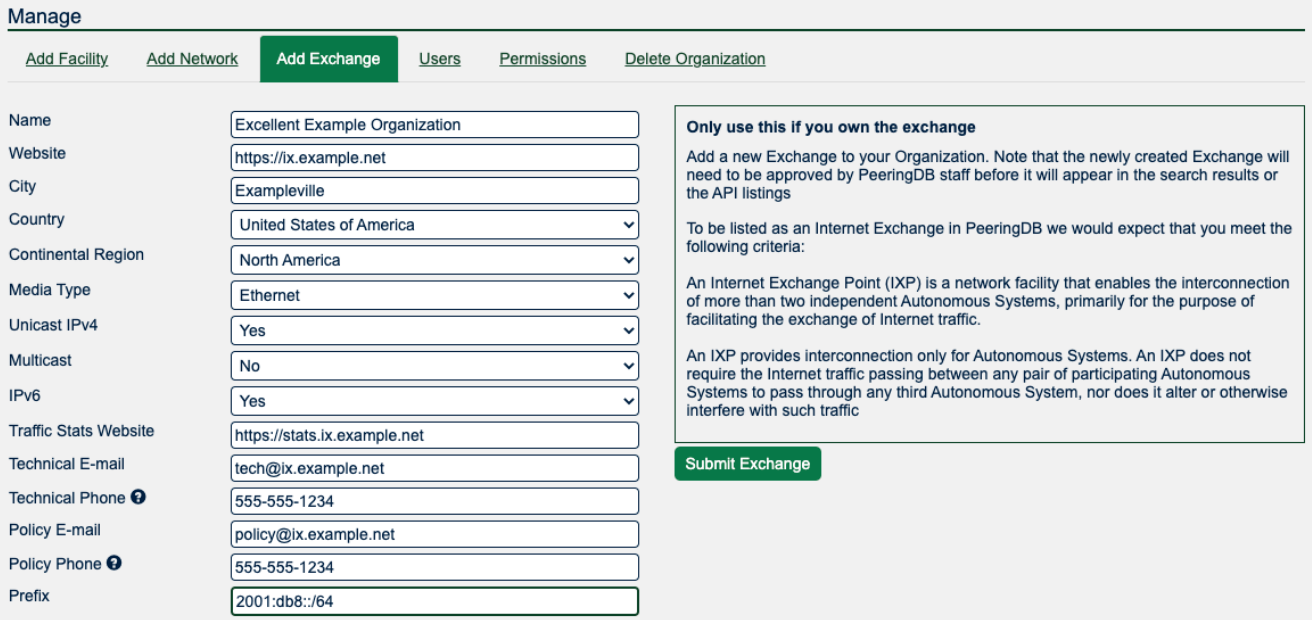
Step 2: Associate with an Organization

Existing organization
New organization

Step 3: Create or Claim a Network

Add:

- ASN
- Organization details
- Website
- NOC information



Creating a PeeringDB Profile

Network Name

Must match the organization or service.

ASN

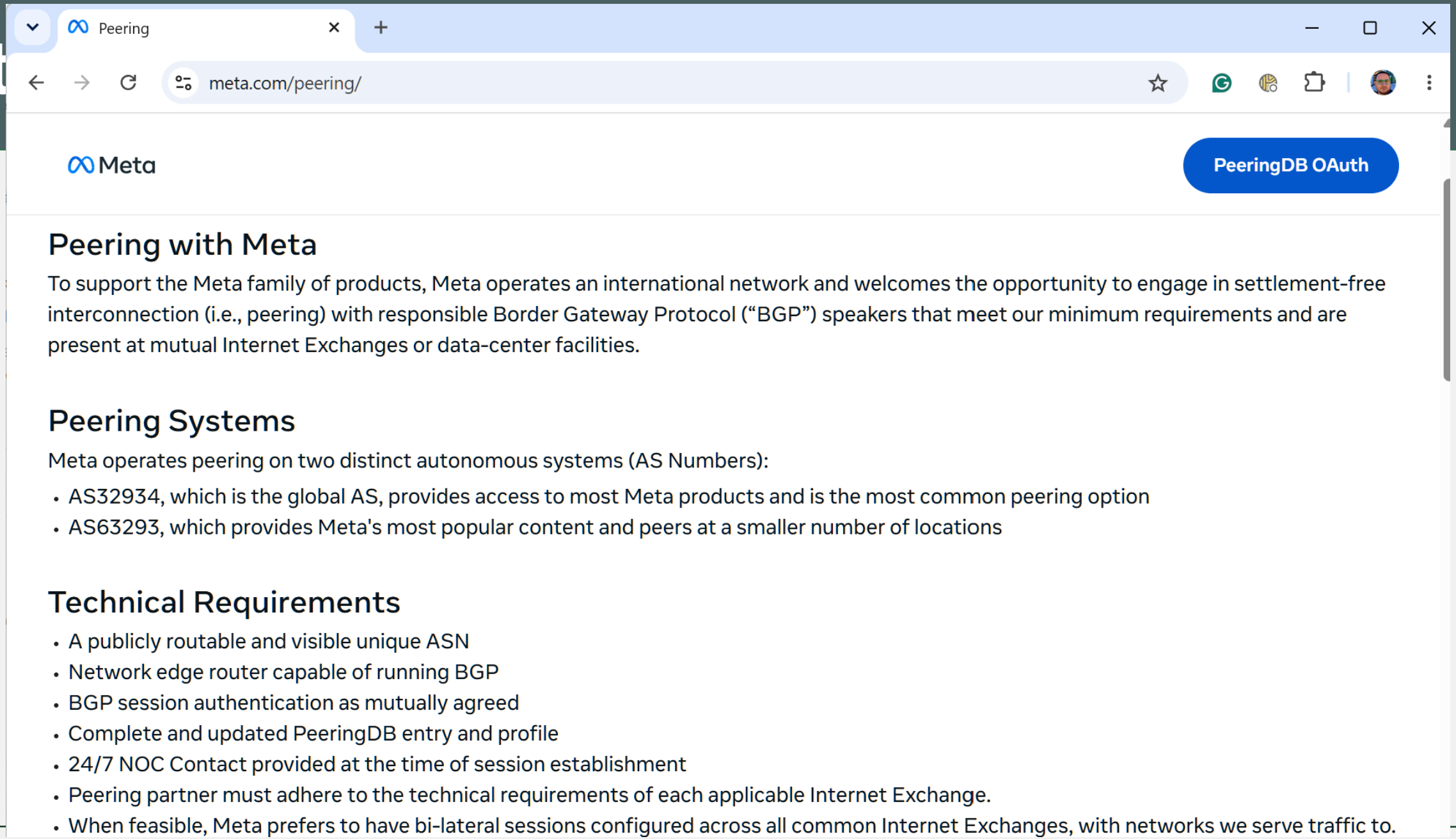
Your unique Autonomous System Number.

Peering Policy

Options include:
- Open
- Selective
- Restrictive

Many networks use this field before approaching potential peers.

Int



Peering with Meta

To support the Meta family of products, Meta operates an international network and welcomes the opportunity to engage in settlement-free interconnection (i.e., peering) with responsible Border Gateway Protocol (“BGP”) speakers that meet our minimum requirements and are present at mutual Internet Exchanges or data-center facilities.

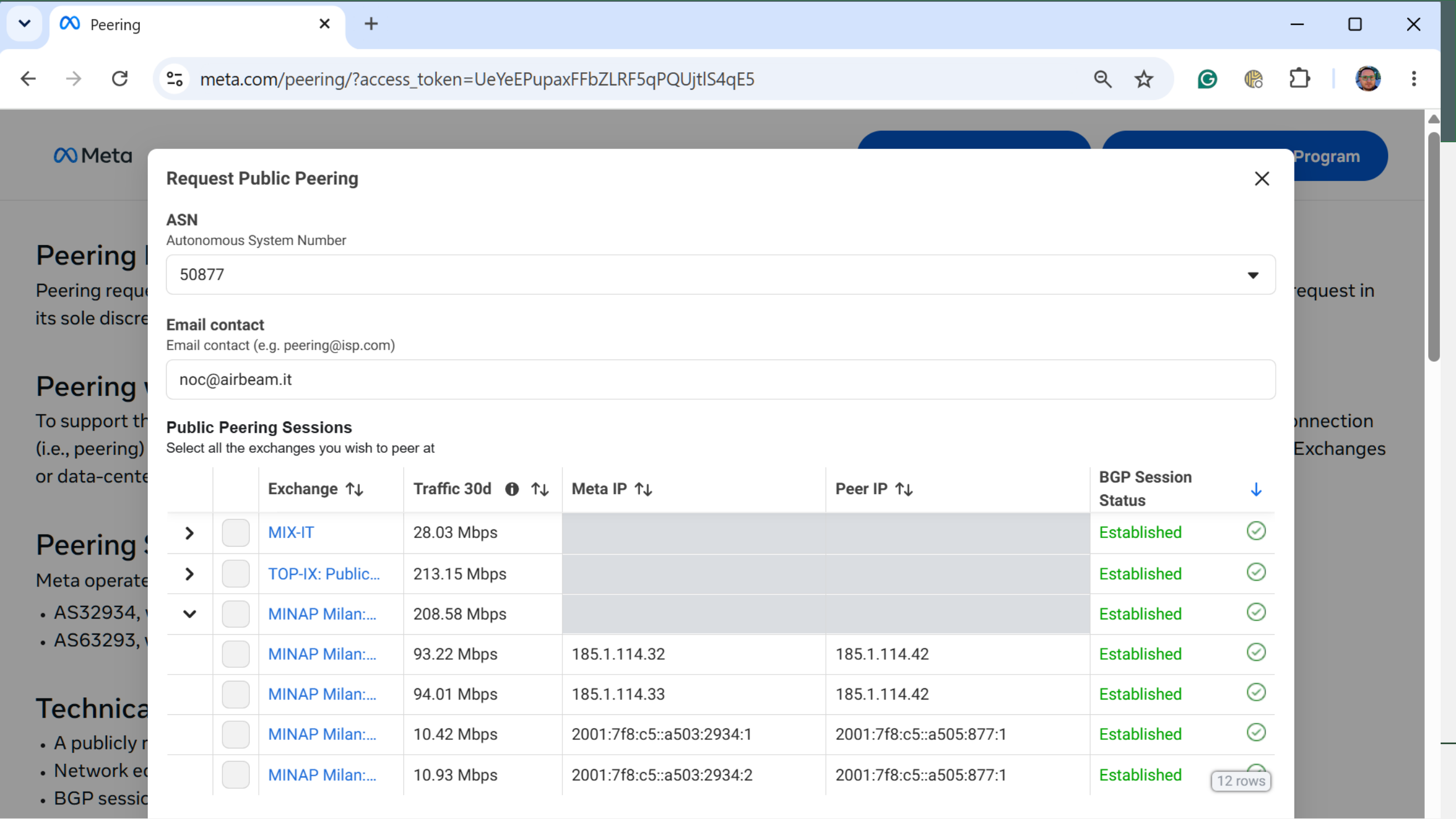
Peering Systems

Meta operates peering on two distinct autonomous systems (AS Numbers):

- AS32934, which is the global AS, provides access to most Meta products and is the most common peering option
- AS63293, which provides Meta's most popular content and peers at a smaller number of locations

Technical Requirements

- A publicly routable and visible unique ASN
- Network edge router capable of running BGP
- BGP session authentication as mutually agreed
- Complete and updated PeeringDB entry and profile
- 24/7 NOC Contact provided at the time of session establishment
- Peering partner must adhere to the technical requirements of each applicable Internet Exchange.
- When feasible, Meta prefers to have bi-lateral sessions configured across all common Internet Exchanges, with networks we serve traffic to.

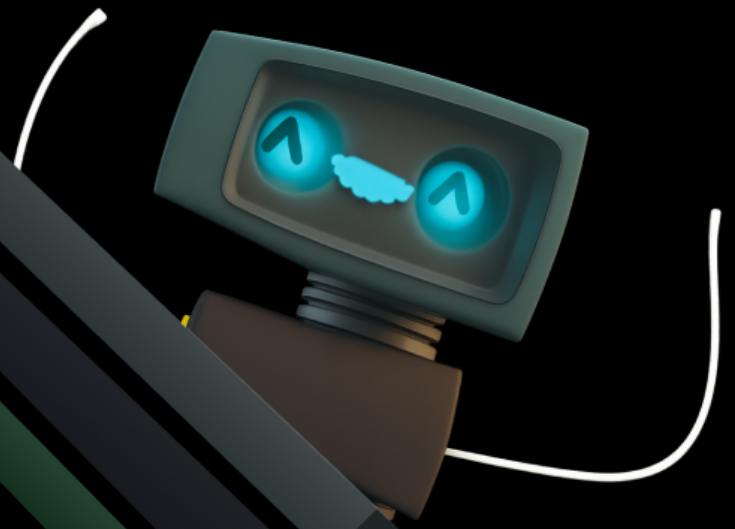

Peering
meta.com/peering/?access_token=UeYeEPupaxFFbZLRF5qPQUjtlS4qE5
Meta
Program
Request Public Peering
ASN
Autonomous System Number
50877
Email contact
Email contact (e.g. peering@isp.com)
noc@airbeam.it
Public Peering Sessions
Select all the exchanges you wish to peer at
Exchange
Traffic 30d
Meta IP
Peer IP
BGP Session Status
MIX-IT 28.03 Mbps Established
TOP-IX: Public... 213.15 Mbps Established
MINAP Milan:... 208.58 Mbps Established
MINAP Milan:... 93.22 Mbps 185.1.114.32 185.1.114.42 Established
MINAP Milan:... 94.01 Mbps 185.1.114.33 185.1.114.42 Established
MINAP Milan:... 10.42 Mbps 2001:7f8:c5::a503:2934:1 2001:7f8:c5::a505:877:1 Established
MINAP Milan:... 10.93 Mbps 2001:7f8:c5::a503:2934:2 2001:7f8:c5::a505:877:1 Established
12 rows

Interesting Facts

"Did You Know?“

- Many large networks will not even consider a peering request if the PeeringDB profile is incomplete.
- PeeringDB information is often integrated into network automation and provisioning workflows.
- The platform is community-driven and relies on operators maintaining accurate data.
- PeeringDB data is commonly used during peering forums, NOG meetings and Internet Exchange growth initiatives.

Vital Statistics and Growth: Years 2024 and 2025





Verified Users: 51,050

2025: +9%

2024: +11%



Organizations: 32,600

2025: +9%

2024: +10%



Peering Networks: 33,624

2025: +6%

2024: +8%



Internet Exchange Points: 1,268

2025: +2%

2024: +8%



Interconnection Facilities: 5,811

2025: +3%

2024: +7%



Campuses (New): 69

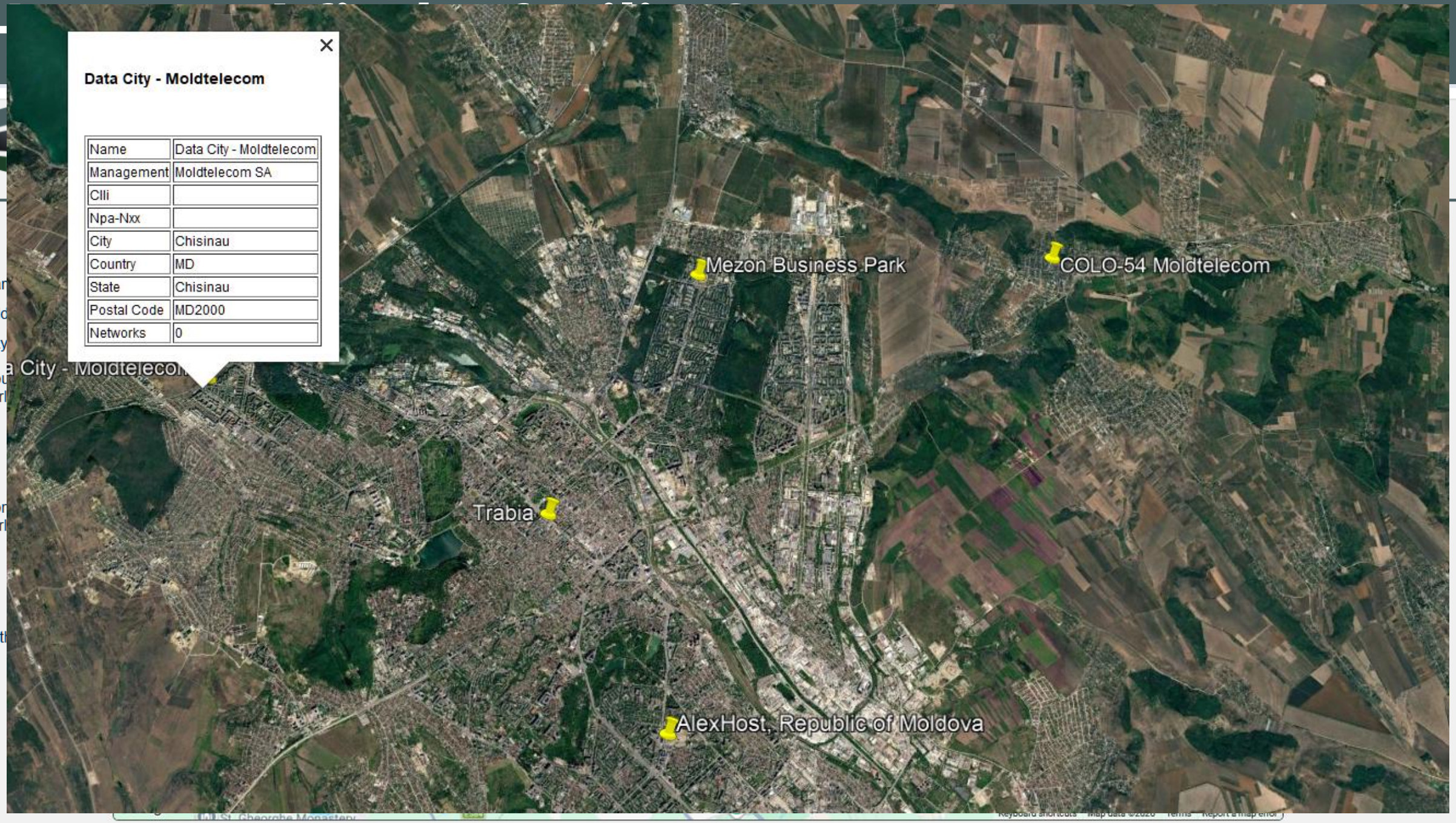
2025: +17%



Carriers (New): 269

2025: +26%

www.peeringdb.com


Data City - Moldtelecom
Name | Data City - Moldtelecom
Management | Moldtelecom SA
Clli |
Npa-Nxx |
City | Chisinau
Country | MD
State | Chisinau
Postal Code | MD2000
Networks | 0
Mezon Business Park
COLO-54 Moldtelecom
Trabia
AlexHost, Republic of Moldova

PeeringDB

Search here for a network, IX, or facility.

Advanced Search

Registeror Login

English (English)

Exchanges | Networks | ASN Connectivity | Facilities | Organizations | Campus | Carriers

Copy API Query

Facilities | Exchanges

Show All | Any Matches | All Matches | Hide unmatched facilities

ASNs

Autocomplete | Text Input

Search ASN numbers ...

AS200019 - AlexHost

AS9199 - RENAM

Maximum 10 ASNs.

Reset Search

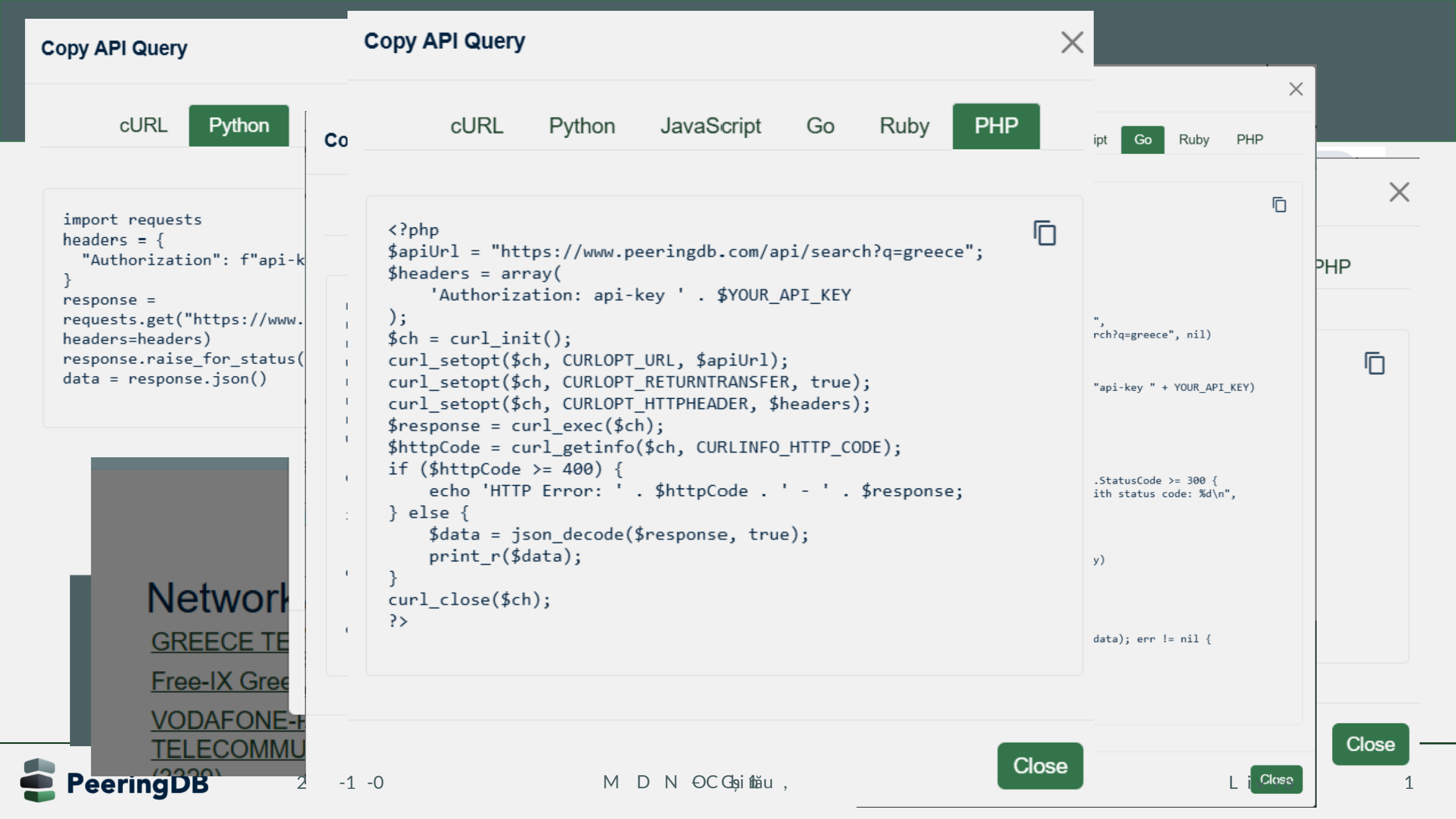
JSON CSV

Present | Not Present | Any Matches | All Matches

Facility	Country	AS200019	AS9199
AlexHost, Netherlands	NL	✓	○
AlexHost, Republic of Moldova	MD	✓	○
Digital Realty Stockholm STO1-6	SE	✓	○
NTT Zurich 1 Data Center (ZRH1)	CH	✓	○
NXDATA-2 Bucharest (BUH2)	RO	✓	✓
S3 Company Ltd.	BG	✓	○

Querying with the PeeringDB API

- The website
- The environment.
- The
- All -limited


Copy API Query
cURL
Python
import requests
headers = {
"Authorization": f"api-k
}
response =
requests.get("https://www.
headers=headers)
response.raise_for_status(
data = response.json()
Copy API Query
cURL
Python
JavaScript
Go
Ruby
PHP
<?php
$apiUrl = "https://www.peeringdb.com/api/search?q=greece";
$headers = array(
'Authorization: api-key ' . $YOUR_API_KEY
);
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $apiUrl);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_HTTPHEADER, $headers);
$response = curl_exec($ch);
$httpCode = curl_getinfo($ch, CURLINFO_HTTP_CODE);
if ($httpCode >= 400) {
echo 'HTTP Error: ' . $httpCode . ' - ' . $response;
} else {
$data = json_decode($response, true);
print_r($data);
}
curl_close($ch);
?>
Close
Close
PeeringDB

peeringdb-py

- Local version of PeeringDB's SQL database
- API Key only if you want to synchronize contact information
- peeringdb defaults to an SQLite3 database
- Documentation: https://docs.peeringdb.com/howto/peeringdb-py/

IMPORTANT

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Questions?

(Thank you to our sponsors!)

