

Introduction to PeeringDB API

arnold.nipper@de-cix.net

Endpoints

- All via [https://peeringdb.com/api/\\$OBJ](https://peeringdb.com/api/$OBJ)
- Canonical
 - ix, net, fac, org, poc
 - ix, network, facility, organisation, point of contacts (aka roles)
 - To get a single one, add the id
 - e.g. <https://peeringdb.com/api/net/947>

{ix,net}fac

```
{
  "meta": {},
  "data": [
    {
      "id": 22,
      "name": "Equinix Ashburn (DC1-DC11)",
      "city": "Ashburn",
      "country": "US",
      "net_id": 2,
      "fac_id": 1,
      "local_asn": 20940,
      "created": "2010-07-29T00:00:00Z",
      "updated": "2016-03-14T20:53:30Z",
      "status": "ok"
    }
  ]
}
```

- ixfac, netfac

- combines facility and ix / net information
- e.g. <https://peeringdb.com/api/netfac/22?depth=0&pretty>

netixlan

```
{
  "meta": {},
  "data": [
    {
      "id": 8422,
      "net_id": 2,
      "ix_id": 31,
      "name": "DE-CIX Frankfurt: DE-CIX Frankfurt Peering LAN",
      "ixlan_id": 31,
      "notes": "",
      "speed": 300000,
      "asn": 20940,
      "ipaddr4": "80.81.192.28",
      "ipaddr6": "2001:7f8::51cc:0:28",
      "is_rs_peer": false,
      "created": "2011-04-21T00:00:00Z",
      "updated": "2018-06-01T00:20:43Z",
      "status": "ok"
    }
  ]
}
```

- Combines ix and net information
- e.g. <https://peeringdb.com/api/netixlan/8422?depth=0&pretty>

Further endpoints

- ixlan
 - Abstraction of the physical IX
 - May go away
 - Each IX has to have at least one IXLan
 - Keep in mind that ixlan != ix
- ixpfx
 - IPv4 / IPv6 range used on an IXLan

How to query information

```
curl -sG https://peeringdb.com/api/netixlan --data-urlencode asn=58717 \
--data-urlencode fields=ix_id,ipaddr4,ipaddr6,speed | jq -c '.data[]'
```

```
{"ix_id":215,"speed":1000,"ipaddr4":"198.32.167.102","ipaddr6":null}
{"ix_id":158,"speed":10000,"ipaddr4":"27.111.228.8","ipaddr6":"2001:de8:4::5:8717:1"}
{"ix_id":158,"speed":10000,"ipaddr4":"27.111.229.92","ipaddr6":"2001:de8:4::5:8717:2"}
{"ix_id":429,"speed":10000,"ipaddr4":"103.16.102.35","ipaddr6":"2001:de8:12:100::35"}
```





Summit Communications Limited

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Some of the data on this page is incomplete, please update the fields marked with  to improve data quality.

Organization	Summit Communications Limited
Also Known As	SUMMIT
Company Website	http://www.summitcommunications.net
Primary ASN	58717
IRR Record	AS58717:AS-SUMMITCOMMUNICATIONS-BD
Route Server URL	http://rslg.summitig.net/ig/

Public Peering Exchange Points

Exchange ▼ ASN	IPv4 IPv6	Speed RS Peer
BDIX 58717	198.32.167.102	1G 
Equinix Singapore 58717	27.111.228.8 2001:de8:4::5:8717:1	10G 
Equinix Singapore 58717	27.111.229.92 2001:de8:4::5:8717:2	10G 
SGIX Main 58717	103.16.102.35 2001:de8:12:100::35	10G 

How to query information

- Calculating number of presences and peering bandwidth of an ASN

```
curl -sG https://peeringdb.com/api/netixlan --data-urlencode asn=20940 \  
| jq '[.data[] | .ix_id] | unique | length'  
154
```

```
curl -sG https://peeringdb.com/api/netixlan --data-urlencode asn=20940 \  
| jq '[.data[] | .speed] | add + 0 | ./1000'  
8264
```