

BGP Partner Program

Catchpoint operates multiple BGP route collectors in several locations across the Internet as part of our Internet Performance Monitoring solution. We peer with network operators with the purpose of route collection only. We will never advertise any prefix or attempt to route data through your network.

BGP Partner Program Requirements:

Full routing table

Catchpoint peers should advertise a full routing table through the BGP session. At the time of writing this document, this is around 900k IPv4 prefixes and 100k IPv6 prefixes. Peers should have a registered ASN from an appropriate Regional Internet Registry and be capable of maintaining a stable BGP session.

Initiating BGP session

Our route collectors are configured as passive BGP speakers so we expect the peer to open the BGP session.

This is the default behavior in most router vendors so no special settings are required.

Technical Overview

Catchpoint peers using AS 397601 in all locations. Our route collector software is set up to not send BGP updates and will only process prefixes announced by the peers. We support multihop peering from a variety of locations or direct peering via an Internet exchange.

Multihop peering

The default BGP behavior is to set up sessions over a physical hop. When a peer is not located in the very same facility as a Catchpoint route collector, we still allow them to share their routing table via multihop. We operate three multihop collectors. Peering information is as follows:

Las Vegas, US

ASN 397601
IPv4: 64.79.149.105
IPv6: 2001:1898:2400:3000:8000::240

Frankfurt, Germany

ASN 397601
IPv4: 45.14.68.200
IPv6: 2a0f:5c47:3e8:2000::200

Singapore, SG

ASN 397601
IPv4: 194.156.163.68
IPv6: 2407:b9c0:e002:158:5054:ff:feb7:c7b6

A sample Cisco setup would look like:

```
switch# configure terminal
switch(config)# router bgp <YOUR_ASN>
switch(config-router)# neighbor 64.79.149.244
remote-as AS 397601
switch(config-router-neighbor)# ebgp-multihop 5
switch(config-router-neighbor)# description
Catchpoint RouteCollectorv4
switch(config-router-neighbor)# address-family
ipv4 unicast
```

Internet Exchange Peering

At the time of writing this document, Catchpoint is present at 12 Internet exchanges worldwide, in addition to the multihop collectors in Las Vegas and Frankfurt.

Please use the following ASN and IP addresses to setup a BGP session against our route collector and email peering@catchpoint.com to let us know.

AMS-IX Amsterdam

ASN 397601
IPv4: 80.249.215.232
IPv6: 2001:7f8:1:0:A500:39:7601:1

PIT Chile Santiago

ASN 397601
IPv4: 45.68.16.76
IPv6: 2801:14:9000::39:7601:1

DE-CIX Frankfurt

ASN 397601
IPv4: 80.81.195.110
IPv6: 2001:07f8::6:0112:0:1

PITER-IX St. Petersburg

ASN 397601
IPv4: 185.1.152.180
IPv6: 2001:7f8:e6::6:1121:1

DE-CIX Marseille

ASN 397601
IPv4: 185.1.47.124
IPv6: 2001:7f8:36::6:112:0:1

Serbian Open Exchange (SOX)

ASN 397601
IPv4: 185.1.27.40
IPv6: 2001:7f8:1e::40

JINX Johannesburg

ASN 397601
IPv4: 196.60.97.21
IPv6: 2001:43f8:1f0::1:21

SGIX Singapore

ASN 397601
IPv4: 103.16.102.252
IPv6: 2001:de8:12:100::252

LoNAP London

ASN 397601
IPv4: 5.57.82.39
IPv6: 2001:7f8:17::6:1121:1

TOPIX Turin

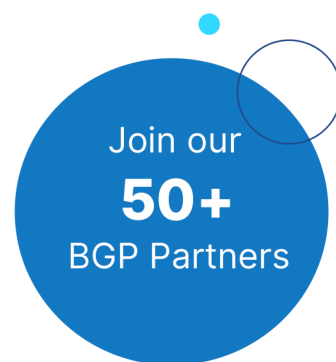
ASN 397601
IPv4: 194.116.96.6
IPv6: 2001:7f8:23:ffff::6

NAP Africa Johannesburg

ASN 397601
IPv4: 196.60.10.163
IPv6: 2001:43f8:6d0::10:163

NL-IX Amsterdam

ASN 397601
IPv4: 193.239.118.124
IPv6: 2001:7f8:13::a539:7601:1



BGP Partner Benefits

As a Catchpoint partner, you will get access to our Internet Performance Monitoring platform for BGP monitoring and other performance related measurements.

Catchpoint is the Internet Resilience Company™. The top online retailers, Global2000, CDNs, cloud service providers, and xSPs in the world rely on Catchpoint to increase their resilience by catching any issues in the Internet Stack before they impact their business. Catchpoint's Internet Performance Monitoring (IPM) suite offers synthetics, RUM, performance optimization, high fidelity data and flexible visualizations with advanced analytics. It leverages thousands of global vantage points (including inside wireless networks, BGP, backbone, last mile, endpoint, enterprise, ISPs and more) to provide unparalleled observability into anything that impacts your customers, workforce, networks, website performance, applications and APIs.