PEERING INFORMATION

About Oracle Internet Intelligence Peering

Oracle Internet Intelligence operates BGP route collectors at a number of locations around the Internet as part of our Internet Intelligence services. We peer with network service providers for the purposes of route-collection only. We never advertise any routes, and do not send any traffic to peer networks.

Peering Requirements

Oracle Internet Intelligence requests full routes with non-mangled AS paths:

Full routes

Oracle Internet Intelligence seeks to peer with ISPs and NSPs who have a "full Internet routing table" for IPv4 and/or IPv6 that they are willing to send us. As of the beginning of 2019, this equates to close to 700,000 IPv4 routes and over 50,000 IPv6 routes. We require that our peers operate a registered ASN from the appropriate RIR. Peers must be able to maintain a stable BGP session to us. We prefer peers who are willing to peer with us at multiple locations, from multiple locations on their own network, but single-feed peers are acceptable. Although we are happy to have default-free and other large network peers, we continue to be interested in peering sessions from network operators closer to the edge of the Internet. Peers should not send us null routes, bogons or other non-routable prefixes that they may use to control traffic on their own networks.

Legitimate AS Paths

Although it is not common, there are route optimizers on the market that go beyond simple AS prepending and alter the content of paths in an attempt to control traffic. Since such path manipulation can introduce AS adjacencies that don't actually exist, we cannot accept such routes.

Technical Overview

Oracle Internet Intelligence peers from a private AS: ASN64597. We do this on purpose because we never advertise any routes and if we ever were to, we want them to be easy to find and filter. We operate route collectors that are either administratively prohibited from issuing BGP updates or, in the case of our own route-collection software, do not have the capability of issuing them. We do a lot of multi-hop peering, since that's the easiest way to pick up the largest, most geographically diverse set of peers.

Router Configuration

Multihop Peering

When a request for peering is submitted, we will reply with one or more IP addresses representing one of our BGP routers. Use one of the IP addresses that we send in place of the imaginary 10.10.10.10 shown below.

The basics of silent peering with Oracle Internet Intelligence:

```
neighbor 10.10.10.10 remote-as 64597
neighbor 10.10.10.10 ebgp-multihop
neighbor 10.10.10.10 timers 60 600
```

Use your own judgement about access-lists:

```
neighbor 10.10.10.10 distribute-list 88 in
neighbor 10.10.10.10 distribute-list 99 out
access-list 88 deny any
access-list 99 permit any
```

Exchange Point peering

AMS-IX

Oracle Internet Intelligence offers Exchange Point peering at AMS-IX in Amsterdam. To peer with us there, use:

```
ASN: 64597
IPv4: 80.249.208.230
IPv6: 2001:7f8:1::a506:4597:1
```

CORESITE/ANY2

Oracle Internet Intelligence offers Exchange Point peering at the CORESITE/Any2 Exchange in Los Angeles. To peer with us there, use:

```
ASN: 64597
IPv4: 206.72.210.34
IPv6: 2001:504:13::210:34
```

DE-CIX

Oracle Internet Intelligence offers Exchange Point peering at DE-CIX in Frankfurt.To peer with us there, use:

```
ASN: 64597
IPv4: 80.81.194.211
IPv6: 2001:7f8::fc55:0:1
```

Equinix

Oracle Internet Intelligence offers Exchange Point peering at the Equinix facilities in Palo Alto, Tokyo and Miami. To peer with us at Equinix Palo Alto, use:

```
ASN: 64597
IPv4: 198.32.176.91
IPv6: 2001:504:d::5b
```

To peer with us at Equinix Tokyo, use:

```
ASN: 64597
IPv4: 203.190.230.21
IPv6: 2001:de8:5::6:4597:1
```

To peer with us at Equinix Miami (formerly NAP of the Americas), use:

```
ASN: 64597
IPv4: 198.32.124.108
IPv6:2001:478:124::108
```

LINX

Oracle Internet Intelligence offers Exchange Point peering at LINX in London. To peer with us there, use:

```
ASN: 64597
IPv4: 195.66.225.224
IPv6: 2001:7F8:4::fc55:1
```

We are able to peer on both LANs but will normally only peer on the listed LAN unless requested. Contact us for more information.

We are evaluating additional IXes for peering. Our requirements are simple: ports on the peering LAN should either be free at low speeds or inexpensive, space and bandwidth should be inexpensive and plentiful and there must be a well-run peering switch with dozens of networks interested in providing routes to us. We require little space (2-8RU depending upon the installation) and are happy to discuss sub-tenancy with organizations that have established installations at interesting locations. Please contact us with any proposal based on similar opportunities.

Peer Benefits

Peers that provide us with a BGP session that meets the requirements stated above are eligible to receive access to our Market Intelligence/IP Transit Intelligence® service.

FOR MORE INFORMATION CONTACT:

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ORACLE
Cloud Infrastructure

Oracle Cloud Infrastructure, an Oracle global business unit (GBU), helps companies build and operate a secure, intelligent cloud edge, protecting them from a complex and evolving cyberthreat landscape. Our managed Web Application Security, DNS, and Email Delivery services are powered by a global network that drives 40 billion traffic optimization decisions daily. More than 4,500 customers rely on Oracle Cloud Infrastructure edge services, including preeminent digital brands such as Netflix, Twitter, CNBC, and LinkedIn. Deployed as standalone solutions or fully integrated with Oracle Cloud Infrastructure, Oracle Cloud Infrastructure edge services are the key to delivering resilient, high-performance sites and applications.