

# Required Server Addresses for Proper Cisco Secure Endpoint & Malware Analytics Operations

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## Introduction


This document describes the servers that are required in order to enable the Cisco Secure Endpoint (formerly Cisco AMP) product and Cisco Secure Malware Analytics (formerly Threat Grid) product to communicate and complete updates, lookups, and reports. In order to complete the operations successfully, your firewall must allow connectivity from the Connector/Appliance to the required servers.

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 **Caution:** All of the servers use a round-robin IP address schema for load balancing, fault tolerance, and uptime. Therefore, the IP addresses might change, and Cisco recommends that the firewall be configured with *CNAME* instead of an IP address.

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 **Caution:** Any traffic coming towards Cisco servers cannot be subjected to the TLS decryption.

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## Prerequisites

### Requirements

This Tech Zone article applies to the following Cisco Products integrating with Cisco Secure Endpoint (AMP) product and Malware Analytics(Threat Grid):

- Cisco Secure Endpoints for Networks (Firepower Management Center and Sensors)
- Cisco Secure Endpoint Private Cloud
- Cisco Secure Endpoint Public Cloud

- Cisco Secure Email Appliance and Cisco Email Security (ESA and CES)
- Cisco Secure Web Appliance (WSA)
- Cisco Secure Malware Analytics Cloud and/or Appliance (Threat Grid)
- SDWAN/IOS-XE

## Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

## Required Server Addresses for Proper Cisco Secure Endpoint Operations

### Server Locations

The Cisco Secure Endpoint and Cisco Secure Malware Analytics servers are located in three different locations:

- North America (Cisco Secure Endpoint and Cisco Secure Malware Analytics)
- Europe (Cisco Secure Endpoint and Cisco Secure Malware Analytics)
- Japan (Cisco Secure Endpoint only)

### North America

This table lists the server locations for North America. Based on the account creation date, the server addresses might be different:

| Category                            | Purpose                         | Server  | Port           |
|-------------------------------------|---------------------------------|---|----------------|
| Cisco Secure Endpoint: Public Cloud | Disposition Server              | cloud-ec-asn.amp.cisco.com<br>cloud-ec-est.amp.cisco.com<br>enrolment.amp.cisco.com | TCP 443        |
|                                     | Console                         | console.amp.cisco.com   | TCP 443        |
|                                     | Management Server               | mgmt.amp.cisco.com  | TCP 443        |
|                                     | Event Server                    | intake.amp.cisco.com  | TCP 443        |
|                                     | Policies                        | policy.amp.cisco.com  | TCP 443        |
|                                     | Connector Downloads and Updates | upgrades.amp.cisco.com  | TCP 80 and 443 |
|                                     | Error Reporting                 | crash.amp.cisco.com   | TCP 443        |
|                                     | Endpoint IOCs                   | ioc.amp.cisco.com   | TCP 443        |
|                                     | TETRA Update Server             | tetra-defs.amp.cisco.com  | TCP 80 and 443 |

|                                      |                                   |  |                |
|--------------------------------------|-----------------------------------|--|----------------|
|                                      |                                   | commercial.ocsp.identrust.com<br>validation.identrust.com                    |                |
|                                      | macOS and Linux Clam Definitions  | clam-defs.amp.cisco.com  | TCP 80 and 443 |
|                                      | Advanced Custom Detections        | custom-signatures.amp.cisco.com  | TCP 443        |
|                                      | Remote File Fetch                 | rff.amp.cisco.com<br>submit.amp.cisco.com                                    | TCP 443        |
|                                      | TETRA                             | nimbus.bitdefender.net   | TCP 443        |
|                                      | Behavior Protection               | apde.amp.cisco.com   | TCP 443        |
|                                      | Device Control                    | endpoints.amp.cisco.com  | TCP 443        |
| Android Connector                    | Disposition Server                | cloud-android-asn.amp.cisco.com  | TCP 443        |
| CSC/iOS Connector                    | Disposition Server                | cloud-ios-asn.amp.cisco.com<br>cloud-ios-est.amp.cisco.com                   | TCP 443        |
| Cisco Secure Endpoint: Private Cloud | Upstream Disposition Server <v2.4 | cloud-pc-est.amp.cisco.com<br>cloud-pc-asn.amp.cisco.com                     | TCP 443        |
|                                      | Upstream Disposition Server >v2.4 | cloud-pc-est.amp.cisco.com<br>cloud-pc-asn.amp.cisco.com                     | TCP 443        |
|                                      | Yum Server                        | packages-v2.amp.sourcefire.com   | TCP 443        |
|                                      |                                   | pc-packages.amp.cisco.com  | TCP 443        |
|                                      | Support Session                   | support-sessions.amp.cisco.com   | TCP 22         |
| AMP for Networks: Firepower          | Disposition Server (from FMC)     | 6.0 - 6.2.x: cloud-sa.amp.sourcefire.com<br>6.3.x + : cloud-sa.amp.cisco.com | TCP 443        |
|                                      | Events (from FMC)                 | 5.x - 6.2.x: export.amp.sourcefire.com<br>6.3.x +: export.amp.cisco.com      | TCP 443        |
|                                      | API (from FMC)                    |  | TCP 443        |

|             |                                |  |         |
|-------------|--------------------------------|--|---------|
|             |                                | 5.x - 6.2.x: api.amp.sourcefire.com<br><br>6.3.x + : api.amp.cisco.com AND<br>api.amp.sourcefire.com   |         |
|             | Dynamic Analysis (from Sensor) | 5.x: intel.api.sourcefire.com<br><br>6.x: panacea.threatgrid.com AND<br>fmc.api.threatgrid.com<br><br>*Depending on the 6.x patch version, either URL<br>can be used | TCP 443 |
| ESA/WSA/SMA | File Reputation (ESA/WSA)      | >= 15.x: cloud-esa-asn.amp.cisco.com<br><br>cloud-esa-est.amp.cisco.com<br><br>< 15.x: cloud-sa.amp.cisco.com  | TCP 443 |
|             | File Analysis (ESA/WSA/SMA)    | panacea.threatgrid.com   | TCP 443 |
|             | API (ESA)                      | >= 15.x: api.amp.cisco.com<br><br>< 15.x: N/A  | TCP 443 |
|             | Event Server (ESA)             | >= 15.x: intake.amp.cisco.com<br><br>< 15.x: N/A   | TCP 443 |
|             | Management Server (ESA)        | >= 15.x: mgmt.amp.cisco.com<br><br>< 15.x: N/A   | TCP 443 |
| Meraki      | Disposition Server             | cloud-meraki-asn.amp.cisco.com<br><br>cloud-meraki-est.amp.cisco.com   | TCP 443 |
| SDWAN       | Disposition Server             | cloud-isr-asn.amp.cisco.com<br>cloud-isr-est.amp.cisco.com   | TCP 443 |

## Europe

This table lists the server locations for Europe. Based on the account creation date, the server addresses might be different:

| Category | Purpose<br>Disposition Server | Server | Port |
|----------|-------------------------------|--------|------|
|----------|-------------------------------|--------|------|

|                                      |                                   |  |                |
|--------------------------------------|-----------------------------------|--|----------------|
| Cisco Secure Endpoint: Public Cloud  |                                   | cloud-ec-asn.eu.amp.cisco.com<br>cloud-ec-est.eu.amp.cisco.com<br>enrolment.eu.amp.cisco.com | TCP 443        |
|                                      | Console                           | console.eu.amp.cisco.com   | TCP 443        |
|                                      | Management Server                 | mgmt.eu.amp.cisco.com  | TCP 443        |
|                                      | Event Server                      | intake.eu.amp.cisco.com  | TCP 443        |
|                                      | Policies                          | policy.eu.amp.cisco.com  | TCP 443        |
|                                      | Connector Downloads and Updates   | upgrades.eu.amp.cisco.com  | TCP 80 and 443 |
|                                      | Error Reporting                   | crash.eu.amp.cisco.com   | TCP 443        |
|                                      | Endpoint IOCs                     | ioc.eu.amp.cisco.com   | TCP 443        |
|                                      | TETRA Update Server               | tetra-defs.eu.amp.cisco.com<br>commercial.ocsp.identrust.com<br>validation.identrust.com     | TCP 80 and 443 |
|                                      | macOS and Linux Clam Definitions  | clam-defs.eu.amp.cisco.com   | TCP 80 and 443 |
|                                      | Advanced Custom Detections        | custom-signatures.eu.amp.cisco.com   | TCP 443        |
|                                      | Remote File Fetch                 | rff.eu.amp.cisco.com<br>submit.amp.cisco.com   | TCP 443        |
|                                      | TETRA                             | nimbus.bitdefender.net   | TCP 443        |
|                                      | Behavior Protection               | apde.eu.amp.cisco.com  | TCP 443        |
|                                      | Device Control                    | endpoints.eu.amp.cisco.com   | TCP 443        |
| Android Connector                    | Disposition Server                | cloud-android-asn.eu.amp.cisco.com   | TCP 443        |
| CSC/iOS Connector                    | Disposition Server                | cloud-ios-asn.eu.amp.cisco.com<br>cloud-ios-est.eu.amp.cisco.com                             | TCP 443        |
| Cisco Secure Endpoint: Private Cloud | Upstream Disposition Server <v2.4 | cloud-pc-est.eu.amp.cisco.com<br>cloud-pc-asn.eu.amp.cisco.com                               | TCP 443        |
|                                      | Upstream Disposition Server       | cloud-pc-est.eu.amp.cisco.com  | TCP 443        |

|                                |                                   |  |         |
|--------------------------------|-----------------------------------|--|---------|
|                                | >v2.4                             | cloud-pc-asn.eu.amp.cisco.com  |         |
|                                | Yum Server                        | packages-v2.amp.sourcefire.com   | TCP 443 |
|                                |                                   | pc-packages.amp.cisco.com  | TCP 443 |
|                                | Support Session                   | support-sessions.amp.cisco.com   | TCP 22  |
| AMP for Networks:<br>Firepower | Disposition Server (from FMC)     | 6.0 - 6.2.x: cloud-sa.eu.amp.sourcefire.com<br>6.3.x+: cloud-sa.eu.amp.cisco.com   | TCP 443 |
|                                | Events (from FMC)                 | 5.x - 6.2.x: export.eu.amp.sourcefire.com<br>6.3.x+: export.eu.amp.cisco.com   | TCP 443 |
|                                | API (from FMC)                    | 5.x - 6.2.x: api.amp.sourcefire.com AND<br>api.eu.amp.sourcefire.com<br>6.3.x+: api.amp.sourcefire.com AND<br>api.eu.amp.cisco.com                 | TCP 443 |
|                                | Dynamic Analysis (from<br>Sensor) | 5.x: intel.api.sourcefire.com<br>6.x: panacea.threatgrid.eu AND fmc.api.threatgrid.eu<br>Depending on 6.x patch version, either URL can be<br>used | TCP 443 |
| ESA/WSA/SMA                    | File Reputation (ESA/WSA)         | >= 15.x: cloud-esa-asn.eu.amp.cisco.com<br>cloud-esa-est.eu.amp.cisco.com<br>< 15.x: cloud-sa.eu.amp.cisco.com                                     | TCP 443 |
|                                | File Analysis (ESA/WSA/SMA)       | panacea.threatgrid.eu  | TCP 443 |
|                                | API (ESA)                         | >= 15.x: api.eu.amp.cisco.com<br>< 15.x: N/A   | TCP 443 |
|                                | Event Server (ESA)                | >= 15.x: intake.eu.amp.cisco.com<br>< 15.x: N/A  | TCP 443 |
|                                | Management Server (ESA)           | >= 15.x: mgmt.eu.amp.cisco.com<br>< 15.x: N/A  | TCP 443 |

|       |                    |  |         |
|-------|--------------------|--|---------|
| SDWAN | Disposition Server | cloud-isr-asn.eu.amp.cisco.com<br>cloud-isr-est.eu.amp.cisco.com | TCP 443 |
|-------|--------------------|--|---------|

## Asia Pacific, Japan, China

This table lists the server locations for the Asia Pacific, Japan, and China:

| Category                               | Purpose                          | Server   | Port           |
|--|----------------------------------|--|----------------|
| Cisco Secure Endpoint:<br>Public Cloud | Disposition Server               | cloud-ec-asn.apjc.amp.cisco.com<br>cloud-ec-est.apjc.amp.cisco.com<br>enrolment.apjc.amp.cisco.com | TCP 443        |
|  | Console                          | console.apjc.amp.cisco.com   | TCP 443        |
|  | Management Server                | mgmt.apjc.amp.cisco.com  | TCP 443        |
|  | Event Server                     | intake.apjc.amp.cisco.com  | TCP 443        |
|  | Policies                         | policy.apjc.amp.cisco.com  | TCP 443        |
|  | Connector Downloads and Updates  | upgrades.apjc.amp.cisco.com  | TCP 80 and 443 |
|  | Error Reporting                  | crash.apjc.amp.cisco.com   | TCP 443        |
|  | Endpoint IOCs                    | ioc.apjc.amp.cisco.com   | TCP 443        |
|  | TETRA Update Server              | tetra-defs.apjc.amp.cisco.com<br>commercial.ocsp.identrust.com<br>validation.identrust.com         | TCP 80 and 443 |
|  | macOS and Linux Clam Definitions | clam-defs.apjc.amp.cisco.com   | TCP 80 and 443 |
|  | Advanced Custom Detections       | custom-signatures.apjc.amp.cisco.com   | TCP 443        |
|  | Remote File Fetch                | rff.apjc.amp.cisco.com<br>submit.amp.cisco.com   | TCP 443        |
|  | TETRA                            | nimbus.bitdefender.net   | TCP 443        |
|  | Behavior Protection              | apde.apjc.amp.cisco.com  | TCP 443        |

|   |                                       |   |                               |
|---|---------------------------------------|---|-------------------------------|
|   | Device Control                        | endpoints.apjc.amp.cisco.com  | TCP 443                       |
| Android Connector                           | Disposition Server                    | cloud-android-asn.apjc.amp.cisco.com  | TCP 443                       |
| CSC/iOS Connector                           | Disposition Server                    | cloud-ios-asn.apjc.amp.cisco.com<br>cloud-ios-est.apjc.amp.cisco.com  | TCP 443                       |
| Cisco Secure Endpoint:<br><br>Private Cloud | Upstream Disposition Server<br>< v2.4 | cloud-pc-est.amp.cisco.com<br>cloud-pc-asn.amp.cisco.com  | TCP 443                       |
|   | Upstream Disposition Server<br>> v2.4 | cloud-pc-est.amp.cisco.com<br>cloud-pc-asn.amp.cisco.com  | TCP 443                       |
|   | Yum Server                            | packages-v2.amp.sourcefire.com<br>pc-packages.amp.cisco.com   | TCP 443<br>TCP 443<br>TCP 443 |
|   | Support Session                       | support-sessions.amp.cisco.com  | TCP 22                        |
| AMP for Networks:<br>Firepower              | Disposition Server                    | 6.0 - 6.2.x: cloud-sa.apjc.amp.sourcefire.com (Static IP)<br>6.3.x+: cloud-sa.apjc.amp.cisco.com                                      | TCP 443                       |
|   | Events                                | 5.x - 6.2.x: export.apjc.amp.sourcefire.com<br>6.3.x+: export.apjc.amp.cisco.com  | TCP 443                       |
|   | API                                   | 5.2 - 6.2.x api.apjc.amp.sourcefire.com AND<br>api.amp.sourcefire.com<br>6.3.x+: api.amp.sourcefire.com AND<br>api.apjc.amp.cisco.com | TCP 443                       |
|   | Dynamic Analysis                      | There are currently no Threat Grid datacenters in APJC, therefore the   | TCP 443                       |



|             |                             |   |         |
|-------------|-----------------------------|---|---------|
|             |                             | European or North American hostnames must be used.  |         |
| ESA/WSA/SMA | File Reputation (ESA/WSA)   | >= 15.x: cloud-esa-asn.apjc.amp.cisco.com<br>cloud-esa-est.apjc.amp.cisco.com<br>< 15.x: cloud-sa.apjc.amp.cisco.com        | TCP 443 |
|             | File Analysis (ESA/WSA/SMA) | There are currently no Threat Grid datacenters in APJC, therefore the<br>European or North American hostnames must be used. | TCP 443 |
|             | API (ESA)                   | >= 15.x: api.apjc.amp.cisco.com<br>< 15.x: N/A  | TCP 443 |
|             | Event Server (ESA)          | >= 15.x: intake.apjc.amp.cisco.com<br>< 15.x: N/A   | TCP 443 |
|             | Management Server (ESA)     | >= 15.x: mgmt.apjc.amp.cisco.com<br>< 15.x: N/A   | TCP 443 |
| SDWAN       | Disposition Server          | cloud-isr-asn.apjc.amp.cisco.com<br>cloud-isr-est.apjc.amp.cisco.com  | TCP 443 |

## Required Server Addresses for Proper Cisco Secure Malware Analytics Cloud Access

For details on Secure Malware Analytic Cloud and Appliance, please refer to this article: [Required IPs and Ports for Secure Malware Analytics](#)

## Required Server Addresses for Proper Orbital Use

Static IPs for Orbital 1.7+

### North America Cloud (NAM) Cloud

| Hostname              | IP   | Port |
|-----------------------|--|------|
| orbital.amp.cisco.com | 54.71.115.87<br>54.68.234.245<br>54.200.174.54 | 443  |

|                               |                |                         |
|-------------------------------|----------------|-------------------------|
| ncp.orbital.amp.cisco.com     | 52.88.16.211   | 443                     |
|                               | 52.43.91.219   |                         |
|                               | 54.200.152.114 |                         |
| update.orbital.amp.cisco.com  | 54.71.197.112  | 443                     |
|                               | 54.188.114.190 |                         |
|                               | 54.188.131.5   |                         |
| NAT IPs for Remote Data Store |                |                         |
|                               | 34.223.219.240 | High random port number |
|                               | 35.160.108.105 |                         |
|                               | 52.11.13.222   |                         |

For more information, please check the orbital help guide: <https://orbital.amp.cisco.com/help/>

## European (EU) Cloud

| Hostname                        | IP  | Port        |
|---------------------------------|---|-------------|
| orbital.eu.amp.cisco.com        | 3.120.91.16<br>18.196.194.92<br>3.121.5.209       | 443         |
| ncp.orbital.eu.amp.cisco.com    | 18.194.154.159<br>18.185.217.177<br>18.184.249.36 | 443         |
| update.orbital.eu.amp.cisco.com | 3.123.83.189<br>18.184.240.159<br>35.158.29.104   | 443         |
| NAT IPs for Remote Data Store   |   |             |
|                                 | 52.29.47.197                                      | High random |

|  |               |                |
|--|---------------|----------------|
|  | 52.57.222.67  | port<br>number |
|  | 52.58.172.218 |                |

For more information, please check the orbital help guide: <https://orbital.eu.amp.cisco.com/help/>

## Asia Pacific, Japan, China (APJC) Cloud


| Hostname                          | IP   | Port                             |
|-----------------------------------|--|----------------------------------|
| orbital.apjc.amp.cisco.com        | 3.114.186.175<br>52.198.6.9<br>18.177.242.101    | 443                              |
| ncp.orbital.apjc.amp.cisco.com    | 18.177.250.245<br>13.230.62.75<br>18.176.196.172 | 443                              |
| update.orbital.apjc.amp.cisco.com | 54.248.22.154<br>18.178.184.79<br>54.95.125.218  | 443                              |
| NAT IPs for Remote Data Store     |  |                                  |
|                                   | 52.194.143.206<br>52.69.138.67<br>54.95.9.136    | High<br>random<br>port<br>number |

For more information, please check the orbital help guide: <https://orbital.apjc.amp.cisco.com/help/>


## Static IP Addresses

If your firewall blocks outbound TCP connections on port 443 (which is usually not the case), you must change your firewall settings before you update any policies. If your account was established after February 2016, you already have static IP addresses written into the standard policies. If your account was established prior to February 2016, you can contact the Cisco Technical Assistance Center (TAC) to request a migration of the policies to the static IP addresses.

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 **Note:** In order to ensure continuity of operations, and to ensure that the detected file malware dispositions are the same on both of the Firepower Management Centers, both the Primary and Secondary Management Centers must have access to the servers listed in this document.

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 **Note:** The Cisco Secure Endpoint Console does not use Static IPs and must be accessed through DNS.

| Static IP Addresses in North America | Static IP Addresses in Europe | Static IP Addresses in APJC |
|--------------------------------------|-------------------------------|-----------------------------|
| 23.23.197.169                        | 46.51.181.139                 | 54.250.127.0                |
| 23.23.198.191                        | 46.51.182.195                 | 52.197.2.58                 |
| 23.23.224.83                         | 46.51.182.202                 | 52.197.22.41                |
|                                      | 46.137.99.242                 | 52.69.16.172                |
| 50.16.242.171                        | 52.16.63.115                  | 13.112.137.80               |
| 50.16.244.193                        | 52.16.95.58                   | 52.198.208.254              |
|                                      | 52.16.105.95                  | 13.112.162.167              |
| 50.16.250.236                        | 52.16.166.193                 | 54.249.244.218              |
| 52.0.55.209                          | 52.16.177.94                  | 54.249.246.210              |
| 52.2.63.194                          | 52.16.193.225                 | 54.249.243.85               |
| 52.2.128.246                         | 52.16.220.180                 | 54.249.240.219              |
| 52.3.149.24                          | 52.17.93.43                   | 54.248.98.94                |
| 52.3.178.163                         | 52.17.102.100                 | 176.34.47.0                 |
| 52.3.190.47                          | 52.17.106.35                  | 52.192.82.189               |
| 52.4.98.101                          | 52.17.179.163                 | 52.68.180.106               |
| 52.4.151.41                          | 52.17.211.190                 | 52.196.247.47               |
| 52.4.245.162                         | 52.17.233.49                  | 52.196.185.158              |
| 52.4.246.178                         | 52.18.9.153                   | 52.197.74.4                 |
| 52.5.92.125                          | 52.18.28.229                  | 52.69.39.127                |
| 52.6.103.57                          | 52.18.79.226                  | 54.248.113.224              |
| 52.6.197.200                         | 52.18.109.209                 | 54.238.55.12                |
| 52.20.14.163                         | 52.18.187.129                 | 54.249.248.16               |
| 52.20.123.238                        | 52.18.187.166                 | 52.197.50.93                |
| 52.20.141.147                        | 52.18.223.41                  | 52.193.124.132              |
| 52.21.52.149                         | 52.19.84.244                  | 52.69.108.228               |
| 52.21.117.50                         | 52.19.167.56                  | 52.197.72.147               |
| 52.21.134.210                        | 52.30.25.70                   | 52.197.22.165               |
| 52.22.64.192                         | 52.30.74.163                  | 52.68.82.200                |
| 52.22.156.183                        | 52.30.124.82                  | 52.197.35.73                |
| 52.23.13.34                          | 52.30.160.113                 | 52.197.39.251               |
| 52.23.16.199                         | 52.30.175.205                 | 52.68.251.104               |
| 52.23.73.146                         | 52.30.179.236                 | 54.249.253.42               |
| 52.23.87.4                           | 52.30.196.206                 | 54.249.253.65               |
| 52.23.107.89                         | 52.30.208.114                 | 176.34.60.211               |
| 52.23.134.105                        | 52.30.217.4                   | 52.192.198.119              |
| 52.23.140.222                        | 52.30.217.226                 | 52.196.96.41                |
| 52.70.11.137                         | 52.30.255.133                 | 54.248.116.199              |
| 52.70.13.27                          | 52.31.30.249                  | 52.196.117.29               |
| 52.70.35.37                          | 52.31.66.59                   | 52.196.134.7                |
| 52.70.47.45                          | 52.31.83.94                   | 176.34.60.30                |
| 52.70.56.136                         | 52.31.119.97                  | 52.192.145.214              |
| 52.70.58.10                          | 52.31.122.77                  | 52.192.221.107              |
| 52.70.59.59                          | 52.31.127.190                 | 52.193.182.191              |
| 52.70.59.121                         | 52.31.137.201                 | 52.193.201.169              |
| 52.70.60.74                          | 54.195.248.52                 | 52.193.223.43               |
| 52.70.61.174                         | 54.195.249.18                 | 52.193.233.17               |
| 52.70.61.181                         | 54.217.232.226                | 52.196.115.166              |
| 52.70.61.193                         | 54.217.232.234                | 52.196.31.86                |
| 52.70.63.25                          | 54.217.232.241                | 52.197.121.237              |

|                |                |                |
|----------------|----------------|----------------|
| 54.83.45.221   | 54.217.232.244 | 52.198.147.230 |
| 54.88.208.235  | 54.217.232.249 | 52.198.195.125 |
|                | 54.228.250.255 | 52.198.202.24  |
| 54.204.8.61    | 54.246.88.192  | 52.198.221.53  |
| 54.221.210.7   | 54.247.189.117 | 52.198.223.169 |
| 54.221.255.190 |                | 52.198.225.221 |
| 54.225.226.117 | 54.74.229.75   | 52.198.226.104 |
| 54.225.227.9   |                | 52.198.26.36   |
| 54.225.227.30  | 107.21.250.31  | 52.198.94.104  |
| 54.225.227.45  |                | 52.199.124.11  |
| 54.225.227.105 | 107.21.236.143 | 52.199.127.80  |
| 54.225.228.145 |                | 52.199.92.142  |
| 54.225.228.166 | 52.2.128.246   | 52.68.1.146    |
| 54.225.228.244 | 52.18.202.103  | 54.248.107.84  |
| 54.227.247.102 |                | 54.248.109.124 |
| 107.20.158.55  | 52.18.119.87   | 54.248.126.98  |
| 107.20.203.8   |                | 54.248.236.127 |
| 107.20.229.191 | 192.111.5.0/24 | 54.248.236.141 |
| 107.20.234.220 |                | 54.248.236.144 |
| 107.21.212.157 | 34.249.48.182  | 54.248.236.151 |
| 107.21.217.202 |                | 54.248.237.93  |
| 107.21.218.60  | 34.248.52.55   | 54.249.246.7   |
| 128.177.8.0/24 |                | 54.250.127.131 |
| 174.129.203.65 | 99.81.233.22   |                |
|                |                | 192.111.6.0/24 |
| 54.161.128.60  | 3.123.83.189   |                |
| 54.234.131.176 |                | 54.248.22.154  |
| 52.206.206.244 | 18.184.240.159 |                |
| 34.225.208.192 |                | 18.178.184.79  |
| 52.22.120.193  | 35.158.29.104  |                |
| 34.199.250.32  |                | 54.95.125.218  |
| 34.199.238.4   | 192.35.177.23  |                |
| 34.194.224.132 | 104.18.39.201  | 192.35.177.23  |
| 34.198.112.150 | 172.64.148.55  | 104.18.39.201  |
| 34.224.236.198 |                | 172.64.148.55  |
| 52.20.233.31   |                |                |
|                |                |                |
| 192.111.4.0/24 |                |                |
|                |                |                |
| 192.111.7.0/24 |                |                |
|                |                |                |
| 54.71.197.112  |                |                |
|                |                |                |
| 54.188.114.190 |                |                |
|                |                |                |
| 54.188.131.5   |                |                |
|                |                |                |
| 192.35.177.23  |                |                |
| 104.18.39.201  |                |                |
| 172.64.148.55  |                |                |