

Traceroute

www.hulu.com

DAY1

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.72

traceroute to e91869.a.akamaiedge.net (23.206.214.72), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 7.009 ms 6.967 ms 4.943 ms
2 96.120.42.5 (96.120.42.5) 16.636 ms 14.035 ms 14.301 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 21.145 ms 15.215 ms 13.129 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 15.848 ms 14.039 ms 17.829 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 30.855 ms 23.445 ms 19.640 ms
6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 26.513 ms
  ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 24.892 ms 24.870 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 25.047 ms 29.823 ms 49.392 ms
8 a23-206-214-72.deploy.static.akamaitechnologies.com (23.206.214.72) 18.959 ms 15.919 ms 15.327 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.72

traceroute to 23.206.214.72 (23.206.214.72), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 13.653 ms 4.679 ms 6.941 ms
2 96.120.42.5 (96.120.42.5) 14.499 ms 13.947 ms 12.168 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 16.512 ms 11.946 ms 12.515 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 18.146 ms 12.624 ms 15.765 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 13.942 ms 19.145 ms 15.813 ms
6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 17.021 ms
  ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 16.001 ms 22.975 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 17.207 ms 15.327 ms 18.910 ms
8 a23-206-214-72.deploy.static.akamaitechnologies.com (23.206.214.72) 17.022 ms 14.348 ms 17.242 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.96

traceroute to e91869.a.akamaiedge.net (23.206.214.96), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 5.833 ms 5.702 ms 14.072 ms
2 96.120.42.5 (96.120.42.5) 42.808 ms 17.074 ms 22.724 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 123.111 ms 9.773 ms 18.755 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 24.456 ms 18.088 ms 18.416 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 33.157 ms 11.113 ms 47.715 ms
6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 26.124 ms
  ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 32.293 ms
  ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 34.569 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 70.050 ms 58.487 ms 63.575 ms
8 a23-206-214-96.deploy.static.akamaitechnologies.com (23.206.214.96) 16.661 ms 19.451 ms 26.640 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.96

traceroute to 23.206.214.96 (23.206.214.96), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 18.193 ms 5.315 ms 4.742 ms
2 96.120.42.5 (96.120.42.5) 14.489 ms 16.698 ms 12.467 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 17.275 ms 22.632 ms 12.065 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 13.334 ms 13.266 ms 11.649 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 14.673 ms 32.452 ms 15.194 ms
6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 15.011 ms
  ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 23.536 ms 17.411 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 20.139 ms 17.541 ms 24.028 ms
8 a23-206-214-96.deploy.static.akamaitechnologies.com (23.206.214.96) 16.472 ms 15.846 ms 15.635 ms
```

AUTONOMOUS SYSTEM NUMBER OR ISP FOR EACH ROUTER:

saijoshithakathari@Sais-MacBook-Air ~ % whois -h whois.arin.net 68.86.122.157

NetRange: 68.80.0.0 - 68.87.255.255
CIDR: 68.80.0.0/13
NetName: JUMPSTART-2
NetHandle: NET-68-80-0-0-1
Parent: NET68 (NET-68-0-0-0-0)
NetType: Direct Allocation
OriginAS: AS7922
Organization: Comcast Cable Communications, LLC (CCCS)
RegDate: 2002-01-28
Updated: 2021-01-25
Ref: <https://rdap.arin.net/registry/ip/68.80.0.0>
OrgName: Comcast Cable Communications, LLC
OrgId: CCCS
Address: 1800 Bishops Gate Blvd
City: Mt Laurel
StateProv: NJ
PostalCode: 08054
Country: US
RegDate: 2001-09-18
Updated: 2020-11-18
Ref: <https://rdap.arin.net/registry/entity/CCCS>
OrgTechHandle: IC161-ARIN
OrgTechName: Comcast Cable Communications Inc
OrgTechPhone: +1-856-792-2300
OrgTechEmail: CNIPEO-lp-registration@cable.comcast.com
OrgTechRef: <https://rdap.arin.net/registry/entity/IC161-ARIN>
OrgAbuseHandle: NAPO-ARIN
OrgAbuseName: Network Abuse and Policy Observance
OrgAbusePhone: +1-888-565-4329
OrgAbuseEmail: abuse@comcast.net
OrgAbuseRef: <https://rdap.arin.net/registry/entity/NAPO-ARIN>
OrgRoutingHandle: ROUTI25-ARIN
OrgRoutingName: Routing
OrgRoutingPhone: +1-856-792-2300
OrgRoutingEmail: routing@comcast.com
OrgRoutingRef: <https://rdap.arin.net/registry/entity/ROUTI25-ARIN>
saijoshithakathari@Sais-MacBook-Air ~ %

DAY2

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.72

traceroute to e91869.a.akamaiedge.net (23.206.214.72), 64 hops max, 52 byte packets

- 1 10.0.0.1 (10.0.0.1) 7.117 ms 8.875 ms 6.195 ms
- 2 96.120.42.5 (96.120.42.5) 20.404 ms 20.830 ms 17.285 ms
- 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 13.376 ms 17.191 ms 12.359 ms
- 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 11.928 ms 14.099 ms 12.828 ms
- 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 28.155 ms 20.666 ms 14.353 ms
- 6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 13.809 ms
ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 20.898 ms 15.403 ms
- 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 25.766 ms 23.620 ms 25.167 ms
- 8 a23-206-214-72.deploy.static.akamaitechnologies.com (23.206.214.72) 15.709 ms 15.032 ms 18.762 ms

```

saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.72
traceroute to 23.206.214.72 (23.206.214.72), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 6.004 ms 4.556 ms 5.705 ms
 2 96.120.42.5 (96.120.42.5) 13.806 ms 13.616 ms 12.599 ms
 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 22.911 ms 15.802 ms 18.403 ms
 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 12.578 ms 11.795 ms 33.211 ms
 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 17.001 ms 15.347 ms 15.355 ms
 6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 17.780 ms
   ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 20.578 ms
   ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 20.052 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 18.210 ms 24.885 ms 19.769 ms
 8 a23-206-214-72.deploy.static.akamaitechnologies.com (23.206.214.72) 16.110 ms 17.570 ms 17.139 ms
saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com
traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.72
traceroute to e91869.a.akamaiedge.net (23.206.214.72), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 15.052 ms 4.905 ms 4.537 ms
 2 96.120.42.5 (96.120.42.5) 13.471 ms 14.337 ms 14.086 ms
 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 14.051 ms 15.164 ms 14.949 ms
 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 14.059 ms 16.454 ms 11.870 ms
 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 14.690 ms 28.386 ms 23.983 ms
 6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 26.012 ms 21.411 ms
   ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 15.418 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 24.444 ms 55.019 ms 47.274 ms
 8 a23-206-214-72.deploy.static.akamaitechnologies.com (23.206.214.72) 14.778 ms 15.726 ms 16.113 ms
saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.72
traceroute to 23.206.214.72 (23.206.214.72), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 14.306 ms 4.143 ms 4.610 ms
 2 96.120.42.5 (96.120.42.5) 14.187 ms 15.080 ms 12.952 ms
 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 12.605 ms 15.766 ms 12.049 ms
 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 14.855 ms 11.757 ms 12.145 ms
 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 16.938 ms 16.287 ms 26.851 ms
 6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 27.019 ms 33.614 ms 35.639 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 18.651 ms 27.493 ms 27.711 ms
 8 a23-206-214-72.deploy.static.akamaitechnologies.com (23.206.214.72) 18.508 ms 16.066 ms 23.969 ms

```

AUTONOMOUS SYSTEM NUMBER OR ISP FOR EACH ROUTER:

```

saijoshithakathari@Sais-MacBook-Air ~ % whois -h whois.arin.net 23.206.214.72
NetRange: 23.192.0.0 - 23.223.255.255
CIDR: 23.192.0.0/11
NetName: AKAMAI
NetHandle: NET-23-192-0-0-1
Parent: NET23 (NET-23-0-0-0-0)
NetType: Direct Allocation
OriginAS:
Organization: Akamai Technologies, Inc. (AKAMAI)
RegDate: 2013-07-12
Updated: 2013-08-09
Ref: https://rdap.arin.net/registry/ip/23.192.0.0
OrgName: Akamai Technologies, Inc.
OrgId: AKAMAI
Address: 145 Broadway
City: Cambridge

```

StateProv: MA
PostalCode: 02142
Country: US
RegDate: 1999-01-21
Updated: 2023-10-24
Ref: <https://rdap.arin.net/registry/entity/AKAMAI>
OrgTechHandle: IPADM11-ARIN
OrgTechName: ipadmin
OrgTechPhone: +1-617-444-0017
OrgTechEmail: ip-admin@akamai.com
OrgTechRef: <https://rdap.arin.net/registry/entity/IPADM11-ARIN>
OrgTechHandle: SJS98-ARIN
OrgTechName: Schecter, Steven Jay
OrgTechPhone: +1-617-274-7134
OrgTechEmail: ip-admin@akamai.com
OrgTechRef: <https://rdap.arin.net/registry/entity/SJS98-ARIN>
OrgAbuseHandle: NUS-ARIN
OrgAbuseName: NOC United States
OrgAbusePhone: +1-617-444-2535
OrgAbuseEmail: abuse@akamai.com
OrgAbuseRef: <https://rdap.arin.net/registry/entity/NUS-ARIN>
saijoshithakathari@Sais-MacBook-Air ~ %

DAY3

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.9

traceroute to e91869.a.akamaiedge.net (23.206.214.9), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 5.199 ms 5.432 ms 4.696 ms
2 96.120.42.5 (96.120.42.5) 12.440 ms 13.170 ms 13.820 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 15.190 ms 13.626 ms 15.097 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 13.767 ms 12.771 ms 15.018 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 16.039 ms 16.881 ms 13.869 ms
6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 24.422 ms 18.308 ms 23.209 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 19.035 ms 48.523 ms 17.306 ms
8 a23-206-214-9.deploy.static.akamaitechnologies.com (23.206.214.9) 18.157 ms 14.840 ms 16.744 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.9

traceroute to 23.206.214.9 (23.206.214.9), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 9.655 ms 6.682 ms 4.821 ms
2 96.120.42.5 (96.120.42.5) 17.004 ms 15.969 ms 22.090 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 17.077 ms 11.714 ms 13.654 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 11.797 ms 33.827 ms 12.924 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 27.367 ms 14.860 ms 14.216 ms
6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 27.852 ms 17.841 ms 18.124 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 42.531 ms 21.282 ms 21.657 ms
8 a23-206-214-9.deploy.static.akamaitechnologies.com (23.206.214.9) 26.565 ms 15.753 ms 16.122 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.9

traceroute to e91869.a.akamaiedge.net (23.206.214.9), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 6.079 ms 8.527 ms 12.661 ms
2 96.120.42.5 (96.120.42.5) 18.548 ms 24.810 ms 74.715 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 20.155 ms 20.215 ms 20.250 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 17.123 ms 18.679 ms 16.607 ms
```

5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 26.699 ms 15.475 ms 18.533 ms
 6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 20.119 ms 16.236 ms 17.271 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 27.650 ms 24.910 ms 23.900 ms
 8 a23-206-214-9.deploy.static.akamaitechnologies.com (23.206.214.9) 17.294 ms 19.641 ms 15.126 ms
 saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.9
 traceroute to 23.206.214.9 (23.206.214.9), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 14.686 ms 4.623 ms 4.781 ms
 2 96.120.42.5 (96.120.42.5) 13.552 ms 28.566 ms 13.809 ms
 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 13.258 ms 13.779 ms 12.736 ms
 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 14.142 ms 13.588 ms 18.190 ms
 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 14.293 ms 14.853 ms 20.311 ms
 6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 17.488 ms 22.141 ms 17.536 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 21.367 ms 24.079 ms 26.027 ms
 8 a23-206-214-9.deploy.static.akamaitechnologies.com (23.206.214.9) 27.938 ms 27.701 ms 15.733 ms

AUTONOMOUS SYSTEM NUMBER OR ISP FOR EACH ROUTER:

saijoshithakathari@Sais-MacBook-Air ~ % whois -h whois.arin.net 68.87.190.29

NetRange: 68.80.0.0 - 68.87.255.255
 CIDR: 68.80.0.0/13
 NetName: JUMPSTART-2
 NetHandle: NET-68-80-0-0-1
 Parent: NET68 (NET-68-0-0-0-0)
 NetType: Direct Allocation
 OriginAS: AS7922
 Organization: Comcast Cable Communications, LLC (CCCS)
 RegDate: 2002-01-28
 Updated: 2021-01-25
 Ref: <https://rdap.arin.net/registry/ip/68.80.0.0>
 OrgName: Comcast Cable Communications, LLC
 OrgId: CCCS
 Address: 1800 Bishops Gate Blvd
 City: Mt Laurel
 StateProv: NJ
 PostalCode: 08054
 Country: US
 RegDate: 2001-09-18
 Updated: 2020-11-18
 Ref: <https://rdap.arin.net/registry/entity/CCCS>
 OrgTechHandle: IC161-ARIN
 OrgTechName: Comcast Cable Communications Inc
 OrgTechPhone: +1-856-792-2300
 OrgTechEmail: CNIPEO-ip-registration@cable.comcast.com
 OrgTechRef: <https://rdap.arin.net/registry/entity/IC161-ARIN>
 OrgRoutingHandle: ROUTI25-ARIN
 OrgRoutingName: Routing
 OrgRoutingPhone: +1-856-792-2300
 OrgRoutingEmail: routing@comcast.com
 OrgRoutingRef: <https://rdap.arin.net/registry/entity/ROUTI25-ARIN>
 OrgAbuseHandle: NAPO-ARIN
 OrgAbuseName: Network Abuse and Policy Observance
 OrgAbusePhone: +1-888-565-4329
 OrgAbuseEmail: abuse@comcast.net
 OrgAbuseRef: <https://rdap.arin.net/registry/entity/NAPO-ARIN>

DAY4

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.57

traceroute to e91869.a.akamaiedge.net (23.206.214.57), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 5.221 ms 4.841 ms 4.621 ms
2 96.120.42.5 (96.120.42.5) 15.405 ms 11.857 ms 14.213 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 12.389 ms 12.992 ms 12.317 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 12.024 ms 12.011 ms 12.236 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 16.702 ms 22.387 ms 16.044 ms
6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 28.300 ms
  ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 16.409 ms
  ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 17.038 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 22.298 ms 16.383 ms 21.168 ms
8 a23-206-214-57.deploy.static.akamaitechnologies.com (23.206.214.57) 15.931 ms 24.213 ms 15.855 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.57

traceroute to 23.206.214.57 (23.206.214.57), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 6.116 ms 4.585 ms 4.107 ms
2 96.120.42.5 (96.120.42.5) 14.272 ms 13.549 ms 18.691 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 12.524 ms 19.128 ms 15.758 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 13.532 ms 27.385 ms 18.609 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 21.460 ms 17.736 ms 18.443 ms
6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 21.731 ms 15.275 ms 16.379 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 19.910 ms 25.613 ms 19.961 ms
8 a23-206-214-57.deploy.static.akamaitechnologies.com (23.206.214.57) 15.964 ms 14.707 ms 16.219 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.57

traceroute to e91869.a.akamaiedge.net (23.206.214.57), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 13.176 ms 5.460 ms 4.979 ms
2 96.120.42.5 (96.120.42.5) 13.409 ms 12.481 ms 11.446 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 12.338 ms 16.629 ms 12.373 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 15.218 ms 14.800 ms 12.836 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 21.893 ms 29.816 ms 34.604 ms
6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 28.816 ms 16.150 ms
  ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 15.047 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 21.395 ms 14.815 ms 43.694 ms
8 a23-206-214-57.deploy.static.akamaitechnologies.com (23.206.214.57) 19.711 ms 15.119 ms 18.666 ms
```

saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.57

traceroute to 23.206.214.57 (23.206.214.57), 64 hops max, 52 byte packets

```
1 10.0.0.1 (10.0.0.1) 7.046 ms 4.774 ms 4.621 ms
2 96.120.42.5 (96.120.42.5) 15.936 ms 12.767 ms 18.893 ms
3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 19.854 ms 19.715 ms 14.977 ms
4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 14.554 ms 12.428 ms 13.064 ms
5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 16.040 ms 15.514 ms 15.279 ms
6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 16.143 ms
  ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 19.186 ms 29.998 ms
7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 34.354 ms 29.675 ms 21.735 ms
8 a23-206-214-57.deploy.static.akamaitechnologies.com (23.206.214.57) 16.740 ms 16.453 ms 17.076 ms
```

AUTONOMOUS SYSTEM NUMBER OR ISP FOR EACH ROUTER:

saijoshithakathari@Sais-MacBook-Air ~ % whois -h whois.arin.net 23.206.214.57

NetRange: 23.192.0.0 - 23.223.255.255

CIDR: 23.192.0.0/11

NetName: AKAMAI

NetHandle: NET-23-192-0-0-1

Parent: NET23 (NET-23-0-0-0-0)

NetType: Direct Allocation

OriginAS:

Organization: Akamai Technologies, Inc. (AKAMAI)

RegDate: 2013-07-12

Updated: 2013-08-09

Ref: <https://rdap.arin.net/registry/ip/23.192.0.0>

OrgName: Akamai Technologies, Inc.

OrgId: AKAMAI

Address: 145 Broadway

City: Cambridge

StateProv: MA

PostalCode: 02142

Country: US

RegDate: 1999-01-21

Updated: 2023-10-24

Ref: <https://rdap.arin.net/registry/entity/AKAMAI>

OrgTechHandle: IPADM11-ARIN

OrgTechName: ipadmin

OrgTechPhone: +1-617-444-0017

OrgTechEmail: ip-admin@akamai.com

OrgTechRef: <https://rdap.arin.net/registry/entity/IPADM11-ARIN>

OrgAbuseHandle: NUS-ARIN

OrgAbuseName: NOC United States

OrgAbusePhone: +1-617-444-2535

OrgAbuseEmail: abuse@akamai.com

OrgAbuseRef: <https://rdap.arin.net/registry/entity/NUS-ARIN>

OrgTechHandle: SJS98-ARIN

OrgTechName: Schecter, Steven Jay

OrgTechPhone: +1-617-274-7134

OrgTechEmail: ip-admin@akamai.com

OrgTechRef: <https://rdap.arin.net/registry/entity/SJS98-ARIN>

saijoshithakathari@Sais-MacBook-Air ~ %

DAYS

saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com

traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.99

traceroute to e91869.a.akamaiedge.net (23.206.214.99), 64 hops max, 52 byte packets

- 1 10.0.0.1 (10.0.0.1) 7.764 ms 4.382 ms 4.706 ms
- 2 96.120.42.5 (96.120.42.5) 12.412 ms 14.704 ms 13.149 ms
- 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 12.877 ms 12.675 ms 13.127 ms
- 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 12.601 ms 12.560 ms 12.031 ms
- 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 13.734 ms 18.074 ms 14.075 ms
- 6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 14.676 ms
ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 25.015 ms 20.881 ms
- 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 55.470 ms 99.620 ms 17.660 ms
- 8 a23-206-214-99.deploy.static.akamaitechnologies.com (23.206.214.99) 16.577 ms 19.509 ms 17.911 ms

```

saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.99
traceroute to 23.206.214.99 (23.206.214.99), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 16.198 ms 4.850 ms 4.780 ms
 2 96.120.42.5 (96.120.42.5) 15.453 ms 12.635 ms 15.057 ms
 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 14.739 ms 15.293 ms 14.162 ms
 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 18.607 ms 13.119 ms 14.184 ms
 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 17.882 ms 28.254 ms 26.987 ms
 6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 36.043 ms 15.795 ms
   ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 17.877 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 23.650 ms 22.394 ms 26.089 ms
 8 a23-206-214-99.deploy.static.akamaitechnologies.com (23.206.214.99) 16.399 ms 15.695 ms 16.337 ms
saijoshithakathari@Sais-MacBook-Air documents % traceroute www.hulu.com
traceroute: Warning: www.hulu.com has multiple addresses; using 23.206.214.99
traceroute to e91869.a.akamaiedge.net (23.206.214.99), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 7.414 ms 5.049 ms 8.665 ms
 2 96.120.42.5 (96.120.42.5) 16.725 ms 13.618 ms 12.825 ms
 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 14.621 ms 15.547 ms 17.122 ms
 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 13.229 ms 13.853 ms 12.293 ms
 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 13.797 ms 20.547 ms 23.561 ms
 6 ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 15.308 ms
   ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 21.099 ms
   ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 20.592 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 22.527 ms 23.481 ms 22.568 ms
 8 a23-206-214-99.deploy.static.akamaitechnologies.com (23.206.214.99) 15.278 ms 15.567 ms 15.613 ms
saijoshithakathari@Sais-MacBook-Air documents % traceroute 23.206.214.99
traceroute to 23.206.214.99 (23.206.214.99), 64 hops max, 52 byte packets
 1 10.0.0.1 (10.0.0.1) 10.322 ms 4.734 ms 4.467 ms
 2 96.120.42.5 (96.120.42.5) 13.902 ms 157.331 ms 16.087 ms
 3 po-301-1209-rur01.dearborn.mi.michigan.comcast.net (96.110.172.121) 16.130 ms 12.065 ms 13.926 ms
 4 po-1-rur02.dearborn.mi.michigan.comcast.net (68.85.223.14) 14.345 ms 10.585 ms 15.590 ms
 5 ae-60-ar01.pontiac.mi.michigan.comcast.net (68.87.190.29) 31.174 ms 25.006 ms 19.944 ms
 6 ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 29.091 ms
   ae-200-ar01.taylor.mi.michigan.comcast.net (68.86.122.161) 43.698 ms
   ae-100-ar01.taylor.mi.michigan.comcast.net (68.86.122.157) 16.030 ms
 7 50-203-123-54-static.hfc.comcastbusiness.net (50.203.123.54) 17.338 ms 25.784 ms 25.107 ms
 8 a23-206-214-99.deploy.static.akamaitechnologies.com (23.206.214.99) 11.783 ms 23.924 ms 23.899 ms

```

AUTONOMOUS SYSTEM NUMBER OR ISP FOR EACH ROUTER:

```

saijoshithakathari@Sais-MacBook-Air ~ % whois -h whois.arin.net 68.86.122.161
NetRange: 68.80.0.0 - 68.87.255.255
CIDR: 68.80.0.0/13
NetName: JUMPSTART-2
NetHandle: NET-68-80-0-0-1
Parent: NET68 (NET-68-0-0-0-0)
NetType: Direct Allocation
OriginAS: AS7922
Organization: Comcast Cable Communications, LLC (CCCS)
RegDate: 2002-01-28
Updated: 2021-01-25
Ref: https://rdap.arin.net/registry/ip/68.80.0.0
OrgName: Comcast Cable Communications, LLC
OrgId: CCCS

```


Address: 1800 Bishops Gate Blvd
City: Mt Laurel
StateProv: NJ
PostalCode: 08054
Country: US
RegDate: 2001-09-18
Updated: 2020-11-18
Ref: <https://rdap.arin.net/registry/entity/CCCS>
OrgTechHandle: IC161-ARIN
OrgTechName: Comcast Cable Communications Inc
OrgTechPhone: +1-856-792-2300
OrgTechEmail: CNIPEO-lp-registration@cable.comcast.com
OrgTechRef: <https://rdap.arin.net/registry/entity/IC161-ARIN>
OrgAbuseHandle: NAPO-ARIN
OrgAbuseName: Network Abuse and Policy Observance
OrgAbusePhone: +1-888-565-4329
OrgAbuseEmail: abuse@comcast.net
OrgAbuseRef: <https://rdap.arin.net/registry/entity/NAPO-ARIN>
OrgRoutingHandle: ROUTI25-ARIN
OrgRoutingName: Routing
OrgRoutingPhone: +1-856-792-2300
OrgRoutingEmail: routing@comcast.com
OrgRoutingRef: <https://rdap.arin.net/registry/entity/ROUTI25-ARIN>
saijoshithakathari@Sais-MacBook-Air ~ %