How to Run a Traceroute

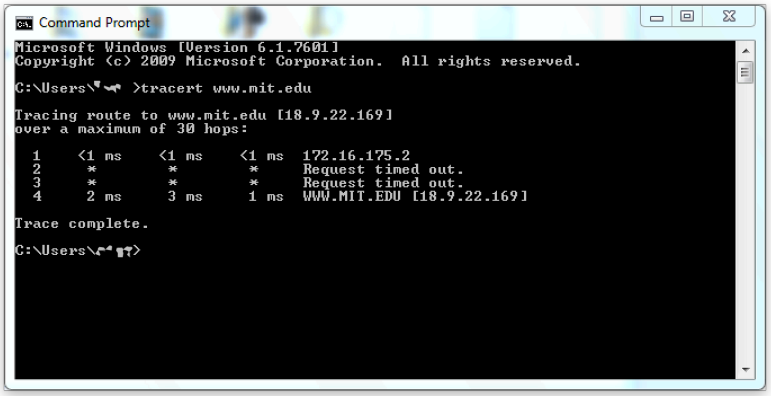
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Instructions

The following instructions will guide you on how to run a Traceroute and save the results on your computer.

Windows 7

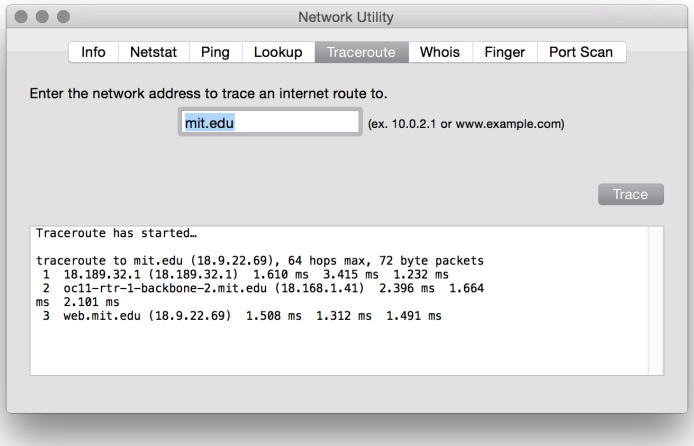
1. Click on the Start menu and type **Command Prompt** in the Search field.
2. Once the Command prompt opens, type "tracert www.mit.edu" You may replace www.mit.edu with any site. To provide a representative sample we recommend
    - ist.mit.edu
    - mitpress.mit.edu
    - libraries.mit.edu
3. The Command Prompt will generate a number of traces and report **Trace complete** when done.



4. Once completed, **right-click** the Command window for a dropdown menu. Select **Select All** and click the **Enter** key on your keyboard. This will copy the information.
5. Open a blank **Word Document**, paste and save the information.

Mac OS X

1. Click on the **Spotlight** (magnifying glass) at the top right corner of your screen.
2. Search for **Network Utility**.
3. Once opened, click the **Traceroute** tab.
4. Enter the network address to trace in the field (example: www.mit.edu) and click the **Trace** button. To provide a representative sample we recommend you run traces on
    - ist.mit.edu
    - mitpress.mit.edu
    - libraries.mit.edu
5. Once Complete, choose **Select All** from the **Edit** menu (or use the command A) and copy the information.



6. Open a blank **Word Document**, paste and save the information.

Sample Traces

Below are several sample traces. Please note that your trace results may vary from the following. Users having connection issues might experience **Timed out** connections.

traceroute web.mit.edu
traceroute to e9566.b.akamaiedge.net (23.10.80.128), 64 hops max, 52 byte packets
1 172.16.0.1 (172.16.0.1) 1.562 ms 0.922 ms 1.093 ms
2 192.168.29.1 (192.168.29.1) 3.648 ms
bdl1.smr-ubr2.sbo-smr.ma.cable.rcn.net (10.23.192.1) 9.626 ms 9.548 ms
3 bvi200.aggr2.sbo.ma.rcn.net (10.65.92.101) 10.647 ms 11.523 ms 9.395 ms
4 tge0-0-0-0.core2.sbo.ma.rcn.net (207.172.15.130) 16.682 ms
tge0-1-0-0.core2.sbo.ma.rcn.net (207.172.15.147) 25.378 ms
tge0-1-0-0.core1.sbo.ma.rcn.net (207.172.15.146) 15.901 ms
5 tge0-1-0-2.core1.nyw.ny.rcn.net (207.172.19.60) 18.961 ms
tge0-1-0-5.core2.nyw.ny.rcn.net (207.172.19.62) 18.815 ms 18.964 ms
6 bdle2.border2.nyw.ny.rcn.net (207.172.15.67) 16.372 ms
bdle3.border2.nyw.ny.rcn.net (207.172.15.85) 16.693 ms 26.938 ms
7 paix-lga.netarch.akamai.com (198.32.118.127) 21.206 ms 18.810 ms 16.856 ms
8 a23-10-80-128.deploy.static.akamaitechnologies.com (23.10.80.128) 16.767 ms 17.430 ms 16.444 ms

traceroute mitpress.mit.edu
traceroute to mitpress.mit.edu (18.7.25.40), 64 hops max, 52 byte packets
1 172.16.0.1 (172.16.0.1) 3.305 ms 1.045 ms 1.452 ms
2 192.168.29.1 (192.168.29.1) 3.189 ms
bdl1.smr-ubr2.sbo-smr.ma.cable.rcn.net (10.23.192.1) 10.843 ms 9.890 ms
3 bvi200.aggr2.sbo.ma.rcn.net (10.65.92.101) 10.560 ms 11.109 ms 18.565 ms
4 tge0-1-0-0.border1.sbo.ma.rcn.net (207.172.15.148) 9.645 ms
tge0-0-0-0.border1.sbo.ma.rcn.net (207.172.15.132) 10.598 ms
tge0-1-0-0.border1.sbo.ma.rcn.net (207.172.15.148) 10.737 ms
5 nox1sumgw1-gi-1-23-nox-rcn.nox.org (207.210.143.29) 11.906 ms 11.407 ms 10.883 ms
6 nox1sumgw1-peer-nox-mit-207-210-143-110.nox.org (207.210.143.110) 10.832 ms 9.544 ms 10.419 ms
7 * * *
8 backbone-rtr-1-dmz-rtr-1.mit.edu (18.192.1.2) 12.999 ms 9.502 ms 10.153 ms
9 w91-rtr-1-backbone-2.mit.edu (18.168.1.32) 10.449 ms 10.471 ms 10.148 ms
10 mitp-web2.mit.edu (18.7.25.40) 10.632 ms !Z 12.315 ms !Z 10.373 ms !Z

traceroute ist.mit.edu

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traceroute to ist.mit.edu (18.9.61.24), 64 hops max, 52 byte packets
1 172.16.0.1 (172.16.0.1) 1.374 ms 0.893 ms 1.007 ms
2 192.168.29.1 (192.168.29.1) 3.300 ms
bdl1.smr-ubr2.sbo-smr.ma.cable.rcn.net (10.23.192.1) 10.877 ms 9.036 ms
3 bvi200.aggr2.sbo.ma.rcn.net (10.65.92.101) 11.192 ms 11.249 ms 9.828 ms
4 tge0-1-0-0.border1.sbo.ma.rcn.net (207.172.15.148) 9.915 ms
tge0-0-0-0.border1.sbo.ma.rcn.net (207.172.15.132) 10.027 ms
tge0-1-0-0.border1.sbo.ma.rcn.net (207.172.15.148) 18.637 ms
5 nox1sumgw1-gi-1-23-nox-rcn.nox.org (207.210.143.29) 10.519 ms 10.807 ms 10.504 ms
6 nox1sumgw1-peer-nox-mit-207-210-143-110.nox.org (207.210.143.110) 11.832 ms 10.623 ms 11.679 ms
7 * * *
8 backbone-rtr-1-dmz-rtr-1.mit.edu (18.192.1.2) 19.337 ms 16.657 ms 11.854 ms
9 oc11-rtr-1-backbone-2.mit.edu (18.168.1.41) 21.684 ms 17.901 ms 10.195 ms
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