

CIS120

ISP – Home page

- **An *Internet Service Provider (ISP)* is a company that provides Internet connection through a telephone line, a special high-speed telephone line, or a cable.**
- **The *Home page* is the Web page that displays every time Internet Explorer is started.**

WEB

- ***Web page***

- a document on the World Wide Web that displays as a screen with associated links, frames, pictures, and other features of interest

- ***Web site***

- a group of related Web pages published to a specific, unique location or *Uniform Resource Locator (URL)*

IP Number IPV4

An IPv4 address (dotted-decimal notation)

172 . 16 . 254 . 1



10101100 . 00010000 . 11111110 . 00000001



One byte = Eight bits



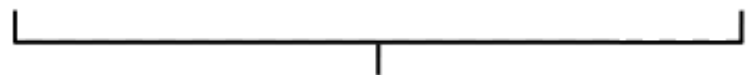
Thirty-two bits ($4 * 8$), or 4 bytes

IP Number IPV6

An IPv6 address

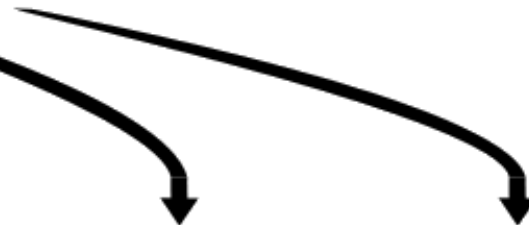
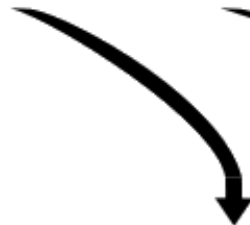
(in hexadecimal)

2001:0DB8:AC10:FE01:0000:0000:0000:0000



2001:0DB8:AC10:FE01::

Zeroes can be omitted



0010000000000001:0000110110111000:1010110000010000:1111111000000001:

0000000000000000:0000000000000000:0000000000000000:0000000000000000

Trace

Open CMD

Type in:

tracert www.facebook.com

Hit enter key

Microsoft Windows [Version 10.0.16299.248]
 (c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Doug>cd/

C:\>tracert www.facebook.com

Tracing route to star-mini.c10r.facebook.com [2a03:2880:f127:83:face:b00c:0:25de]
 over a maximum of 30 hops:

1	1 ms	3 ms	1 ms	2601:241:102:36b0:250:f1ff:fe80:0
2	11 ms	11 ms	14 ms	2001:558:4040:3f::1
3	12 ms	11 ms	11 ms	te0-0-0-13-sur04.chicago201.il.chicago.comcast.net [2001:558:322:c000::1]
4	15 ms	12 ms	26 ms	te-0-6-0-2-ar01.area4.il.chicago.comcast.net [2001:558:300:292::1]
5	*	*	*	Request timed out.
6	*	13 ms	*	be-10563-pe01.350ecermak.il.ibone.comcast.net [2001:558:0:f8a7::2]
7	35 ms	45 ms	29 ms	2001:559::f8a
8	12 ms	12 ms	15 ms	po131.asw04.ord3.tfbnw.net [2620:0:1cff:dead:beef::16ca]
9	10 ms	11 ms	11 ms	po241.psw04.ord2.tfbnw.net [2620:0:1cff:dead:beef::170b]
10	18 ms	24 ms	14 ms	po4.msw1ah.01.ort2.tfbnw.net [2a03:2880:f00b:ffff::1ab]
11	11 ms	13 ms	19 ms	edge-star-mini6-shv-01-ort2.facebook.com [2a03:2880:f127:83:face:b00c:0:25de]

Trace complete.

C:\>

Local system

From CMD

Type in: `ifconfig`

Hit enter ky

Ca. Command Prompt

C:\>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . : hsd1.il.comcast.net
IPv6 Address. : 2601:241:102:36b0::668a
IPv6 Address. : 2601:241:102:36b0:a4d2:4515:509:a855
Temporary IPv6 Address. : 2601:241:102:36b0:8437:179d:d38d:f73f
Link-local IPv6 Address : fe80::a4d2:4515:509:a855%8
IPv4 Address. : 10.0.0.137
Subnet Mask : 255.255.255.0
Default Gateway : fe80::250:f1ff:fe80:0%8
10.0.0.1

Wireless LAN adapter Wireless Network Connection:

Media State : Media disconnected
Connection-specific DNS Suffix . :

Wireless LAN adapter Local Area Connection* 2:

Media State : Media disconnected
Connection-specific DNS Suffix . :

Tunnel adapter Local Area Connection* 11:

Connection-specific DNS Suffix . :
IPv6 Address. : 2001:0:9d38:6ab8:18a8:7f8:bc47:8953
Link-local IPv6 Address : fe80::18a8:7f8:bc47:8953%9
Default Gateway :

C:\>

Commands (win)

- **ping** - see if web site or IP exists
- **ipconfig** - your computer setup
- **tracert** - trace a message on the internet
- **netstat** - Ports

Browser stuff

- <http://www.w3schools.com/browsers/default.asp>
- <http://www.mybrowserinfo.com/>
- <http://browserspy.dk/browser.php>

Internet traffic

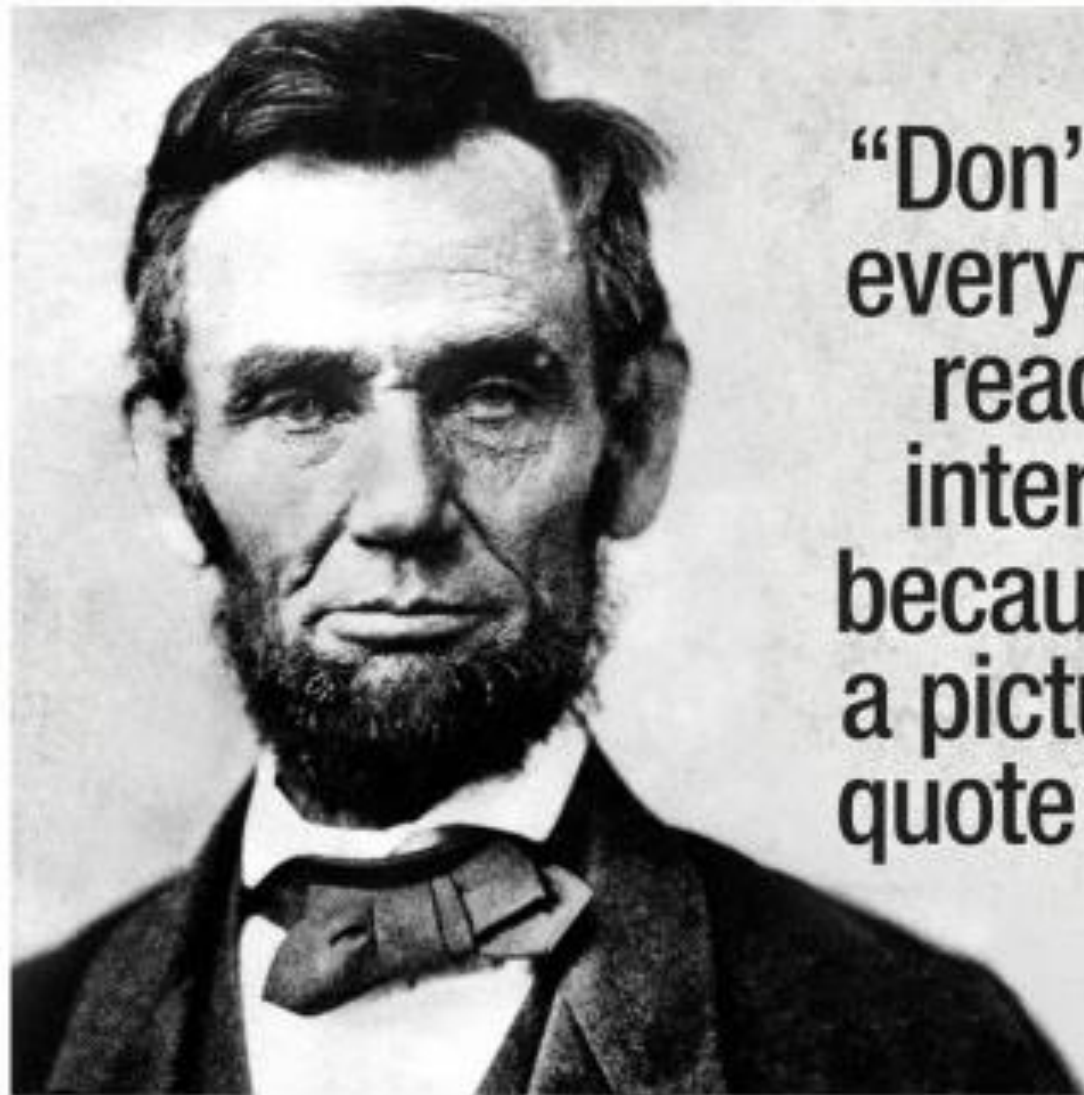
- <http://www.internettrafficreport.com/>
- http://www.w3schools.com/browsers/browsers_stats.asp
- <http://www.w3counter.com/globalstats.php>

videos

<https://www.youtube.com/watch?v=wi0eC9NzjXs>

<https://www.youtube.com/watch?v=7 LPdttKXPc>

<https://www.youtube.com/watch?v=i5oe63pOhLI>



**“Don’t believe
everything you
read on the
internet just
because there’s
a picture with a
quote next to it.”**

~ Abraham Lincoln

AllPosters

A rectangular grey doormat with a black border is placed on a light-colored tiled floor. The mat features a two-line text message in a light grey, sans-serif font. The text is a pun on the common phrase "There's no place like home," substituting the word "home" with the IP address "127.0.0.1", which is the loopback address for a computer's network interface.

There's no place
like 127.0.0.1