Windows MAC Addresses

Goal: Find MAC Addresses in Microsoft Windows. Here are some techniques for finding MAC addresses on Microsoft Windows using the Control Panel and the command line.



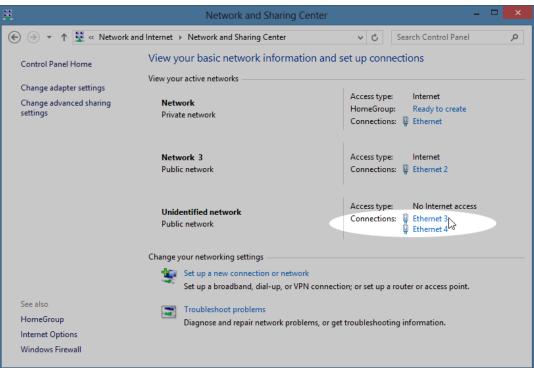
- 1. Find the MAC Address of the Windows PC. There are two methods you can use:
 - A. Method 1: use the Control Panel
 - A. Click Start, Run, control, [enter]

	Run
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	control V
	Cancel <u>B</u> rowse

B. Search and select Network Status and Devices

9	network status - Control Pan	nel 🕞 – 🗆 🗙
🛞 🧼 🝷 ↑ 📴 ► Control Pan	el → v C	network status ×
Network and Sharing View network status and task		
Action Center Review your computer's stat	tus and resolve issues	
Search Windows Help and Support	rt for "network status"	

C. We click on our device, Ethernet 3:



D. Click **Details...**

Ethernet 3 Status						
General						
Connection	-					
IPv4 Connectivity: No Internet access						
IPv6 Connectivity: No Internet access						
Media State: Enabled						
Duration: 00:25:29						
Speed: 1.0 Gbps						
Dețails						
Activity	-					
Sent — 💵 — Received						
Bytes: 13,339 15,247						
Properties Diagnose Diagnose						
Close						

E. Details will show the MAC address (physical address):

Network	Connection Details
Network Connection Details:	
Property	Value
Connection-specific DN	
Description	Intel(R) PRO/1000 MT Network Connecti
Physical Address	08-00-27-C4-4E-4F
DHCP Enabled	No 🙀
IPv4 Address	10.26.0.10
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	
IPv4 DNS Server	
IPv4 WINS Server	
NetBIOS over Tcpip En	
Link-local IPv6 Address IPv6 Default Gateway	fe80::99cd:62dc:450d:d8a2%17
IPv6 DNS Servers	fec0:0:0.ffff::1%1
	fec0:0:0:ffff::2%1
	fec0:0:0:ffff::3%1
<	>
	Close

- F. (Suggested) Set the IP address if you have not already. For more information see Finding Windows IP Address
- B. Method 2: use the DOS command-line. You want to correlate the IP address and MAC address of the Windows ethernet port:
 - A. Click Start, Run, and type cmd, and press [Enter]

	Run				
	Type the name of a program, folder, document, or Interne resource, and Windows will open it for you.	:t			
<u>O</u> pen:	cmd	~			
	OK Cancel Browse				

B. Show interfaces by name with the command: netsh interface ipv4 show addresses

C41.	C:\Windows\sys	stem32\cmd.exe – 🗆 🗙
C:\Users\IEUser>netsh interf	ace ipv4 show	addresses ,
Configuration for interface DHCP enabled: IP Address: Subnet Prefix: InterfaceMetric:	"Ethernet 4"	Yes 169.254.3.216 169.254.0.0/16 (mask 255.255.0.0) 10
Configuration for interface DHCP enabled: IP Address: Subnet Prefix: InterfaceMetric:	"Ethernet 3"	No 10.26.0.10 10.26.0.0/24 (mask 255.255.255.0) 10
Configuration for interface DHCP enabled: IP Address: Subnet Prefix: Default Gateway: Gateway Metric: InterfaceMetric:	"Ethernet 2"	Yes 192.168.100.135 192.168.100.0/24 (mask 255.255.255.0) 192.168.100.1 0 10
Configuration for interface DHCP enabled: IP Address: Subnet Prefix: Default Gateway: Gateway Metric: InterfaceMetric:	"Ethernet"	Yes 10.0.2.15 10.0.2.0/24 (mask 255.255.255.0) 10.0.2.2 0 10
Configuration for interface DHCP enabled: IP Address: Subnet Prefix: InterfaceMetric:	"Loopback Pse	udo-Interface 1" No 127.0.0.1 127.0.0.0/8 (mask 255.0.0.0) 50
C:\Users\IEUser>		

C. (Optional) if you do not see results, you might need to start the network autodiscovery service: net start dot3svc

\$ net start dot3svc The Wired AutoConfig service is starting. The Wired AutoConfig service was started successfully.

D. (Optional) Depending on the edition of Windows, the command netsh lan show interfaces will display mac addresses.

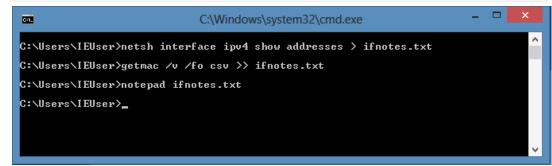
\$ netsh lan show interfaces					
There are	There are 4 interfaces on the system:				
GUID	iption cal Address		Ethernet 3 Intel(R) PRO/1000 MT Network Connection #2 a3ac1715-8740-4b8f-8022-fec68d9bbd6e 08-00-27-C4-4E-4F Connected. Network does not support authentication.		
GUID	iption cal Address		Ethernet 2 Intel(R) PRO/1000 MT Network Connection 6358aef5-ff9f-445c-81db-9bec6c0d477a 08-00-27-3A-3C-FB Connected. Network does not support authentication.		
GUID	cal Address		Ethernet Intel(R) PRO/1000 MT Desktop Adapter f0c1f253-3499-4d73-88f5-1ff2687633d1 08-00-27-12-89-E9 Connected. Network does not support authentication.		
GUID	cal Address		Ethernet 4 Intel(R) PRO/1000 MT Network Connection #3 4ccf6f8e-c1ee-44af-b0ef-2dc36c1d8a07 08-00-27-AC-4C-4A Connected. Network does not support authentication.		

E. Show mac addresses with: getmac /v /fo csv

(The CSV formatted command of the command ensures that we will see the entire name of the interface which can be trimmed short in the default output format.)

CAL.		C:\V	Vindows\system32\cmd.	exe 🗕 🗖	×
C:\Users\IEUser	>getmac ∕	ψ			
Connection Name	Network	Adapter	Physical Address	Transport Name	-
		======			
 Ethernet -4D73-88F5-1FF2	Intel(R)	PR0/10	08-00-27-12-89-E9	\Device\Tcpip_{F0C1F253-	3499
Ethernet 2 -445C-81DB-9BEC	Intel(R)	PR0/10	08-00-27-3A-3C-FB	\Device\Tcpip_{6358AEF5-	FF9F
Ethernet 3 -4B8F-8022-FEC6	Intel(R)	PR0/10	08-00-27-C4-4E-4F	\Device\Tcpip_{A3AC1715-	8740
Ethernet 4 -44AF-B0EF-2DC3	Intel(R)	PR0/10	08-00-27-AC-4C-4A	<pre>\Device\Tcpip_{4CCF6F8E-</pre>	-C1EE
C:\Users\IEUser					

F. These commands will make it easier to copy using notepad: netsh interface ipv4 addresses > ifnotes.txt getmac /v /fo csv >>ifnotes.txt notepad ifnotes.txt



G. Now you can easily copy the values:

	ifnotes - Notepad		×
File Edit Format View Help			
Configuration for interface "Ethernet 4" DHCP enabled: IP Address: Subnet Prefix: InterfaceMetric:	Yes 169.254.3.216 169.254.0.0/16 (mask 255.255.0.0) 10		^
Configuration for interface "Ethernet 3" DHCP enabled: IP Address: Subnet Prefix: InterfaceMetric:	No 10.25.0.10 10.26.0.0/24 (mask 255.255.25.0) 10		
Configuration for interface "Ethernet 2" DHCP enabled: IP Address: Subnet Prefix: Default Gateway: Gateway Metric: InterfaceMetric:	Yes 192.168.100.135 192.168.100.0/24 (mask 255.255.25.0) 192.168.100.1 0 10		
Configuration for interface "Ethernet" DHCP enabled: IP Address: Subnet Prefix: Default Gateway: Gateway Metric: InterfaceMetric:	Yes 10.0.2.15 10.0.2.0/24 (mask 255.255.0) 10.0.2.2 0 10		
"Ethernet 2", "Intel(R) PRO/1000 MT Networ "Ethernet 3", "Intel(R) PRO/1000 MT Networ	No 127.0.0.1 127.0.0.0/8 (mask 255.0.0.0) 50	477A } " D9BBD6E]	
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