

1

```
C:\Users\PC-8>ipconfig/all

Windows IP Configuration

    Host Name . . . . . : DESKTOP-TN3AUHO
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Hybrid
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix . :
    Description . . . . . : Intel(R) Ethernet Connection (5) I219-LM
    Physical Address. . . . . : B8-85-84-A6-D1-E1
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::1fb5:5b6f:148f:c7b1%13(Preferred)
    IPv4 Address. . . . . : 10.0.0.81(Preferred)
    Subnet Mask . . . . . : 255.255.240.0
    Lease Obtained. . . . . : 3 de junho de 2025 09:05:52
    Lease Expires . . . . . : 3 de junho de 2025 15:05:52
    Default Gateway . . . . . : 10.0.0.1
    DHCP Server . . . . . : 10.0.0.2
    DHCPv6 IAID . . . . . : 112756100
    DHCPv6 Client DUID. . . . . : 00-01-00-01-2E-7D-B8-11-B8-85-84-A6-D1-E1
    DNS Servers . . . . . : 10.0.0.1
    NetBIOS over Tcpip. . . . . : Enabled
```

2.

```
C:\Users\PC-8>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: bytes=32 time<1ms TTL=64
Reply from 10.0.0.1: bytes=32 time<1ms TTL=64
Reply from 10.0.0.1: bytes=32 time<1ms TTL=64
Reply from 10.0.0.1: bytes=32 time<1ms TTL=64

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

3.

```
ARP -s inet_addr eth_addr [if_addr]
ARP -d inet_addr [if_addr]
ARP -a [inet_addr] [-N if_addr] [-v]
```

-a Displays current ARP entries by interrogating the current protocol data. If inet_addr is specified, the IP and Physical addresses for only the specified computer are displayed. If more than one network interface uses ARP, entries for each ARP table are displayed.

-g Same as -a.

-v Displays current ARP entries in verbose mode. All invalid entries and entries on the loop-back interface will be shown.

inet_addr Specifies an internet address.

-N if_addr Displays the ARP entries for the network interface specified by if_addr.

-d Deletes the host specified by inet_addr. inet_addr may be wildcarded with * to delete all hosts.

-s Adds the host and associates the Internet address inet_addr with the Physical address eth_addr. The Physical address is given as 6 hexadecimal bytes separated by hyphens. The entry is permanent.

eth_addr Specifies a physical address.

if_addr If present, this specifies the Internet address of the interface whose address translation table should be modified. If not present, the first applicable interface will be used.

Example:

```
> arp -s 157.55.85.212 00-aa-00-62-c6-09 .... Adds a static entry.
> arp -a ..... Displays the arp table.
```

4.

```
C:\Users\PC-8>nslookup gerirarbitragem.pt
Server: UnKnown
Address: 10.0.0.1

*** UnKnown can't find gerirarbitragem.pt: Non-existent domain
```

5.

```
C:\Users\PC-8>nslookup ftp.pt
Server: UnKnown
Address: 10.0.0.1

Non-authoritative answer:
Name: ftp.pt
Address: 185.32.190.78
```