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Application Note:
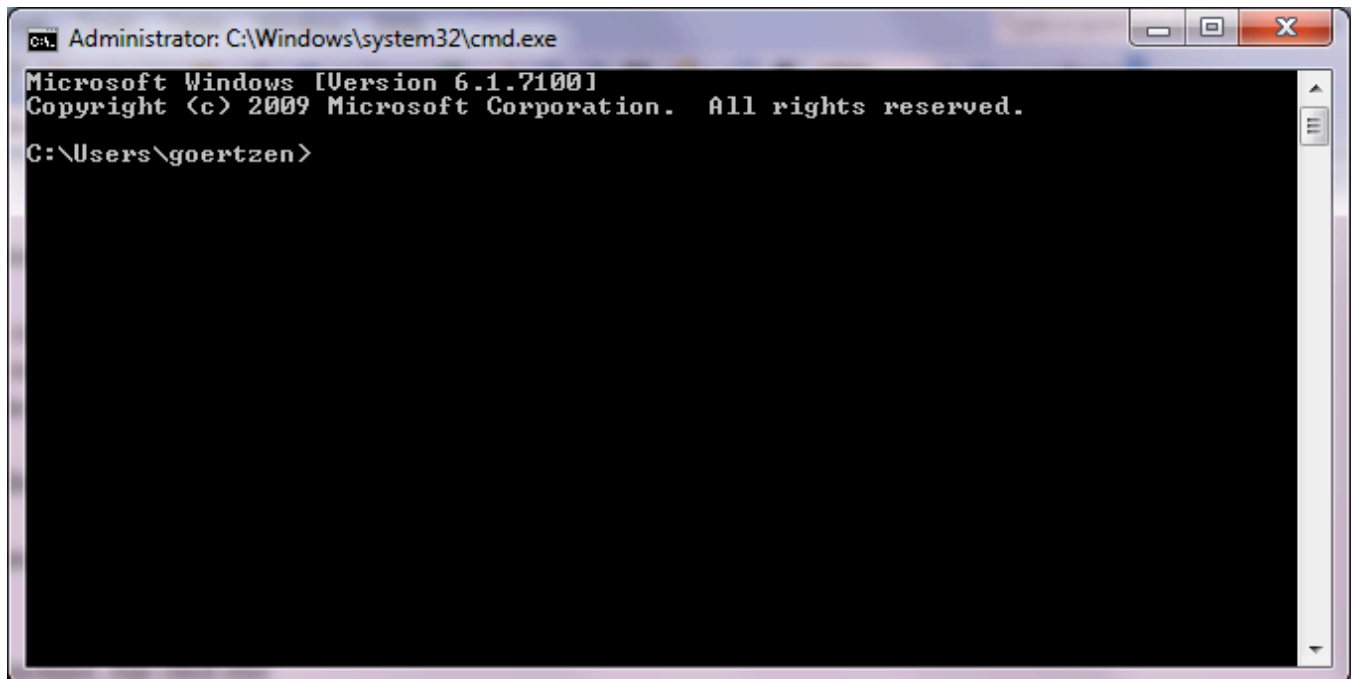# Obtaining an Interceptor's MAC Address

Every Ethernet interface has a permanent hardware address called a Media Access Control address (MAC address). MACs are used for low-level Ethernet communications and users do not normally need to know about them, however some applications, such as firewalls, make use of MAC addresses. This application note will show how to acquire the MAC address of an Interceptor.

Step 1: Setup the Interceptor on the same network as your PC (section 4 of the Interceptor User Manual, "System Startup & Network Configuration").

Step 2: On your PC, run "**cmd.exe**".

On Windows XP, click Start->Run and type in "**cmd.exe**".
On Vista/Windows 7, click Start and type in "**cmd.exe**".


```
Administrator: C:\Windows\system32\cmd.exe

Microsoft Windows [Version 6.1.7100]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Users\goertzen>
```
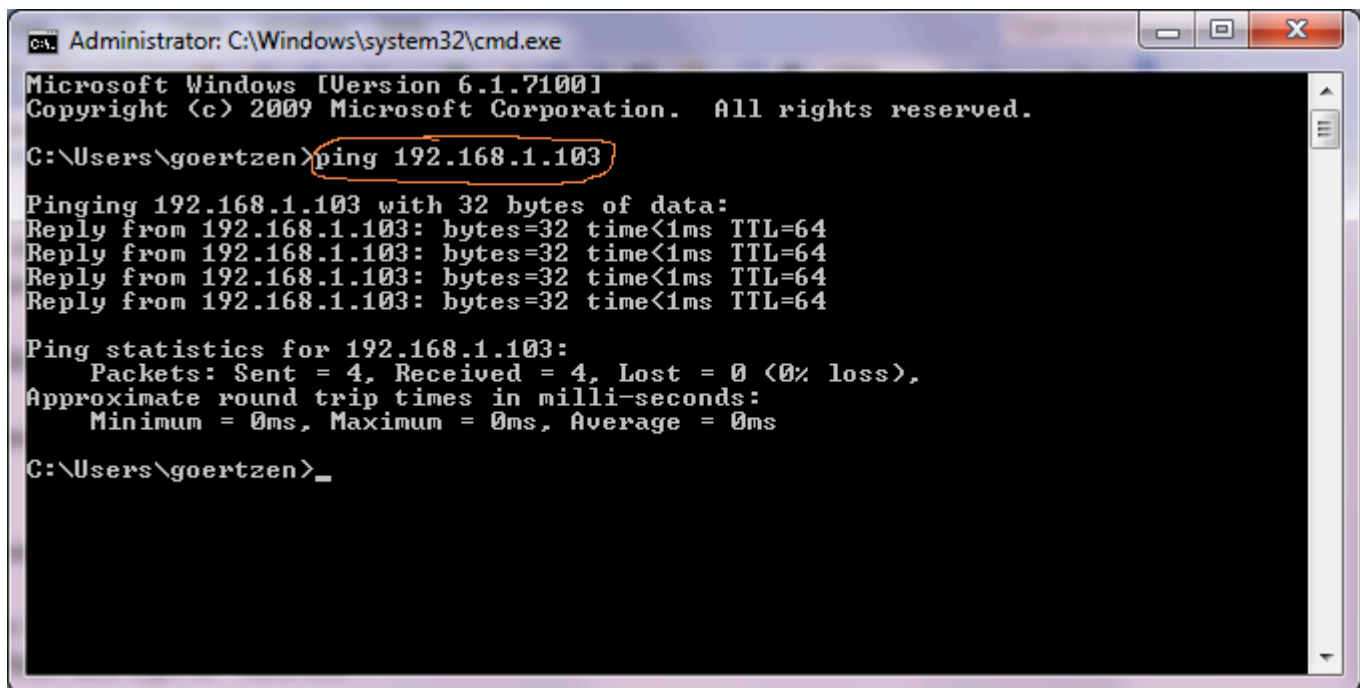
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Step 3: Ping the Interceptor with the command…

`C:\> ping <address of interceptor>`

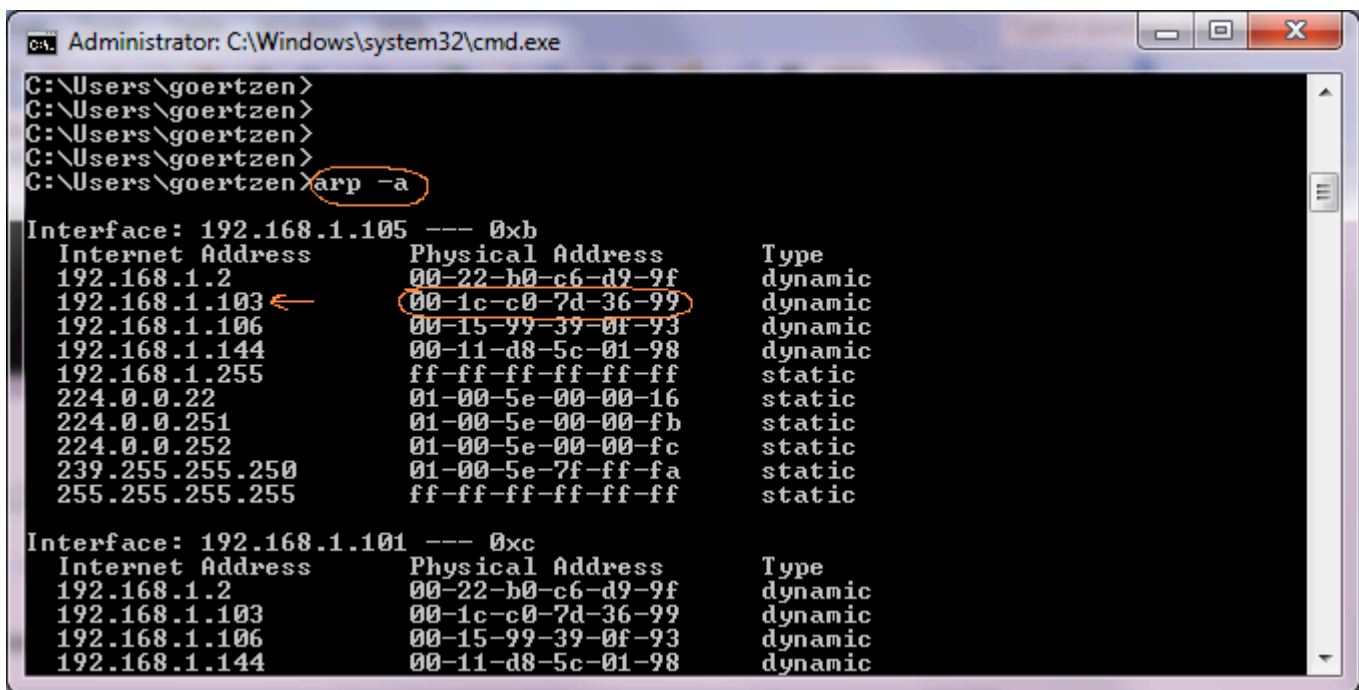This will cause your computer to acquire the Interceptor's MAC address. In the example below, the address of the interceptor is **192.168.1.103**.

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Step 4: Display the MAC addresses with the command…

```
C:\> arp -a
```

This prints the MAC address, or physical address, for every IP address that your computer knows about. Find the IP address of your Interceptor and the matching MAC address. You may need to scroll the window back if the list is long, as in the case below…