2025-11-04 13:47 1/4 Network Connection

Network Connection

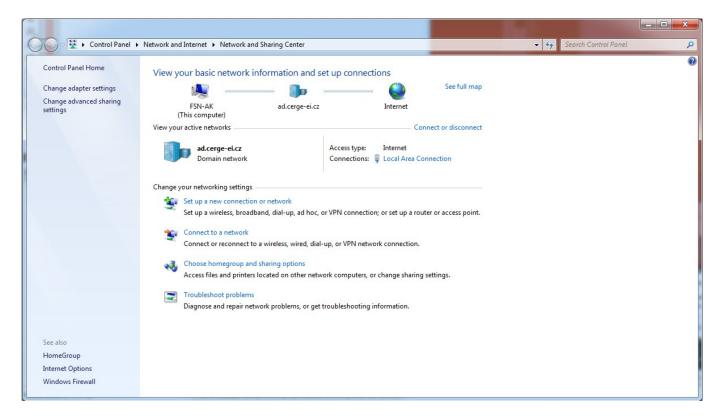
- How to check connectivity
- · How to check IP address

How to check connectivity

There are different small icons on the taskbar in the lower right most corner of the Windows desktop. The following icon shows that you are connected to the local area network, authenticated on ad.cerge-ei.cz Active Directory and connected further to Internet.

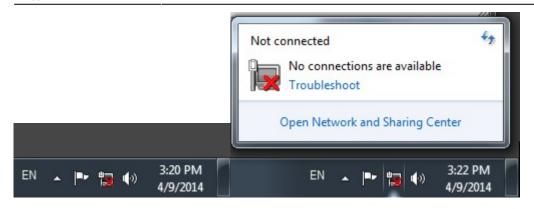


If you click on the icon and further on **Open Network and Sharing Center**, you'll get the following window:



It provides basic network information and set up connections (your computer name, domain network name/Active Directory etc.)

If the icon is crossed out, as shown bellow, it means that your computer has no network connection



Loss of network connectivity can manifest itself in different ways: logon failure due to inaccessible domain controller, no internet connection, mail server inaccessible, network resources inaccessible etc.

Computer networking is structured in so called layers (https://en.wikipedia.org/wiki/OSI_model), where **layer 1** is the physical layer, which is practically the physical connection, a cable. Although you can't trace completely the whole physical route, at least you can first check the connection of your device to the network socket via a UTP cable, provided you are connected by a cable to the network. If you notice that your device has no network connectivity (see "Check connectivity") **check the cable first**.





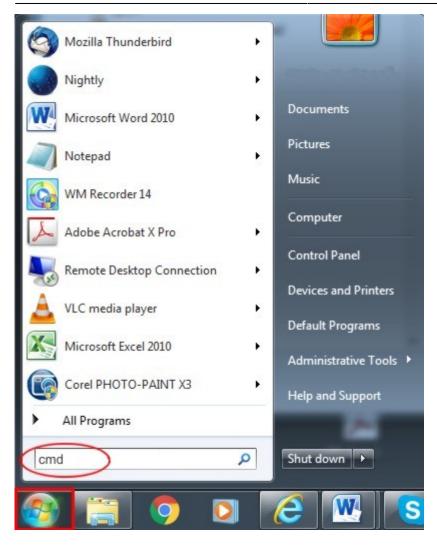
RJ45 connector of UTP data cable and Data wall socket

How to check IP address

1. Left-click on the windows icon in the bottom left of your screen;

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2025-11-04 13:47 3/4 Network Connection



type cmd as indicated above and press Enter;

type ipconfig as indicated bellow



The IP address of your computer is displayed as indicated.

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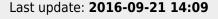
C:\Windows\system32\cmd.exe Copyright (c) 2009 Microsoft Corporation. All rights reserved. C:\Users\userx.CERGE-EI>ipconfig Ħ Windows IP Configuration Ethernet adapter Local Area Connection: fix .: cerge-ei.cz .: fe80::f83a:82e9:6195:61a2%11 .:: 195.113.13.240 .:: 255.255.255.224 .:: 195.113.13.225 Subnet Mask . . . Default Gateway . Tunnel adapter 6TO4 Adapter: Connection-specific DNS Suffix IPv6 Address..... cerge-ei.cz 2002:c371:df0::c371:df0 2002:c058:6301::c058:6301 Default Gateway Tunnel adapter Teredo Tunneling Pseudo-Interface: : Media disconnected Media State . . Connection-specific DNS Suffix . Tunnel adapter isatap.cerge-ei.cz: Media State . : Media disconnected Media State : Media disco Connection-specific DNS Suffix . : cerge-ei.cz

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