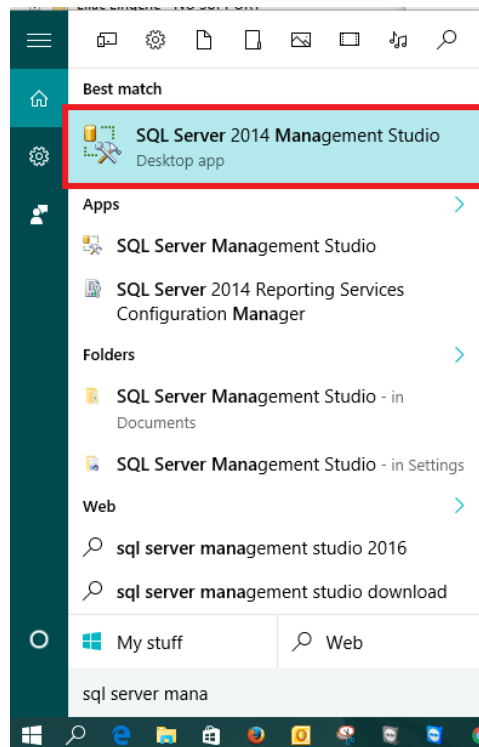


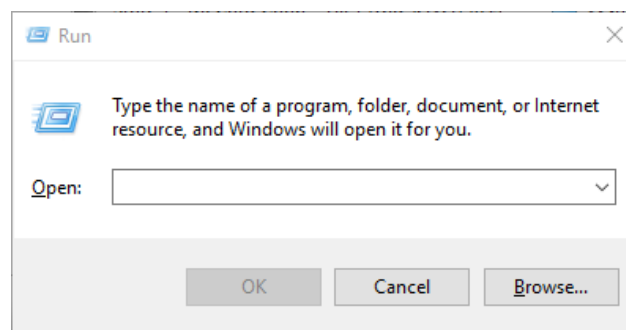
How to find your database IP address and SQL port

First, make sure that you are on the server computer. You can check by searching for "SQL server management studio" in windows. If it show's up then you're on the server.

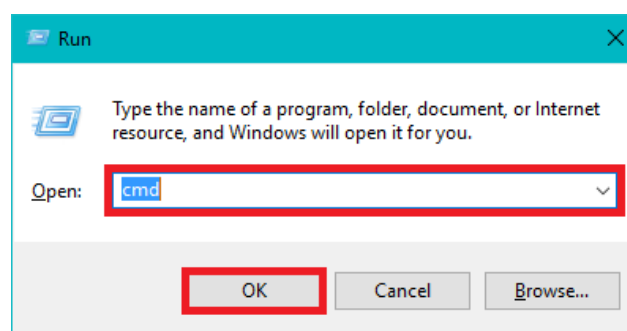


How to find internal IP address (local network connection).

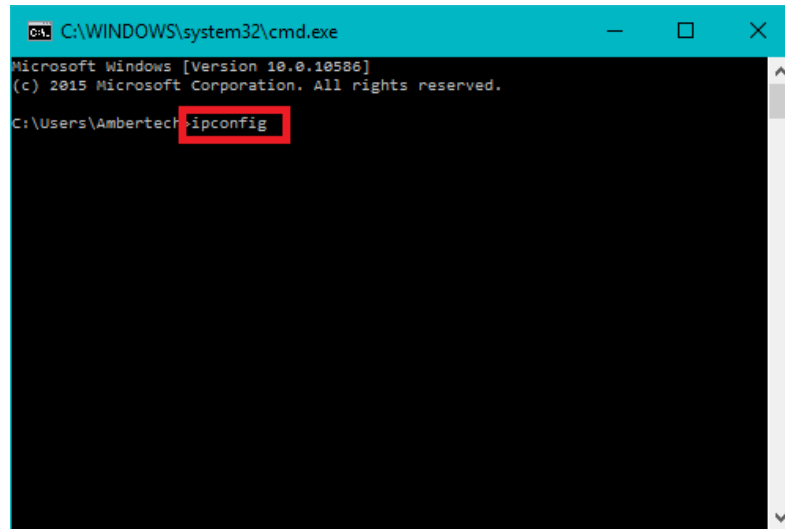
1. Hold the windows key on your keyboard and then press the "R" key to open up the "Run" box.



2. Type "cmd" into the text box and then click "OK".



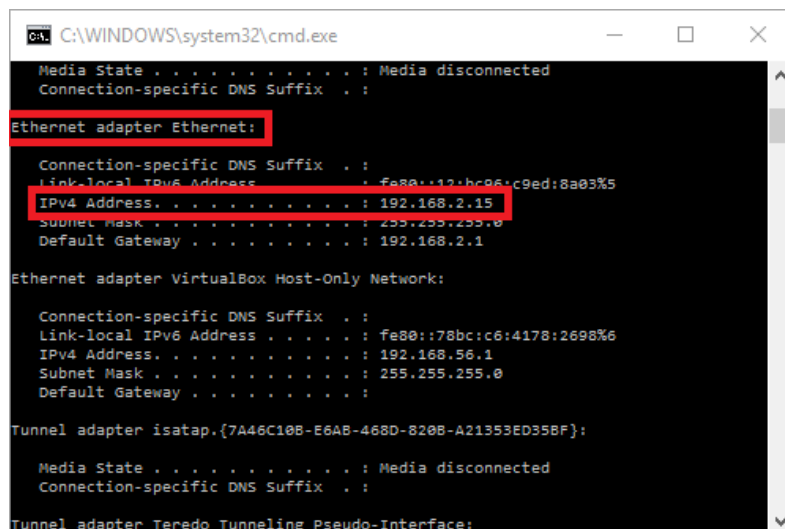
3. In the black box that comes up type "ipconfig".



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Ambertech>ipconfig
```

4. Look for the title "Ethernet adapter" and look for "IPv4 address", this is your local IP address. (The title may be "Wireless adapter" if you are on a wireless internet connection).



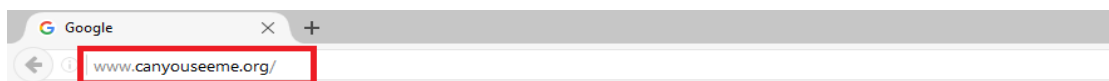
```
C:\WINDOWS\system32\cmd.exe
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Ethernet adapter Ethernet:
Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::12:bc96:c9ed:8a03%5
IPv4 Address. . . . . : 192.168.2.15
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.2.1

Ethernet adapter VirtualBox Host-Only Network:
Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::78bc:c6:4178:2698%6
IPv4 Address. . . . . : 192.168.56.1
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :

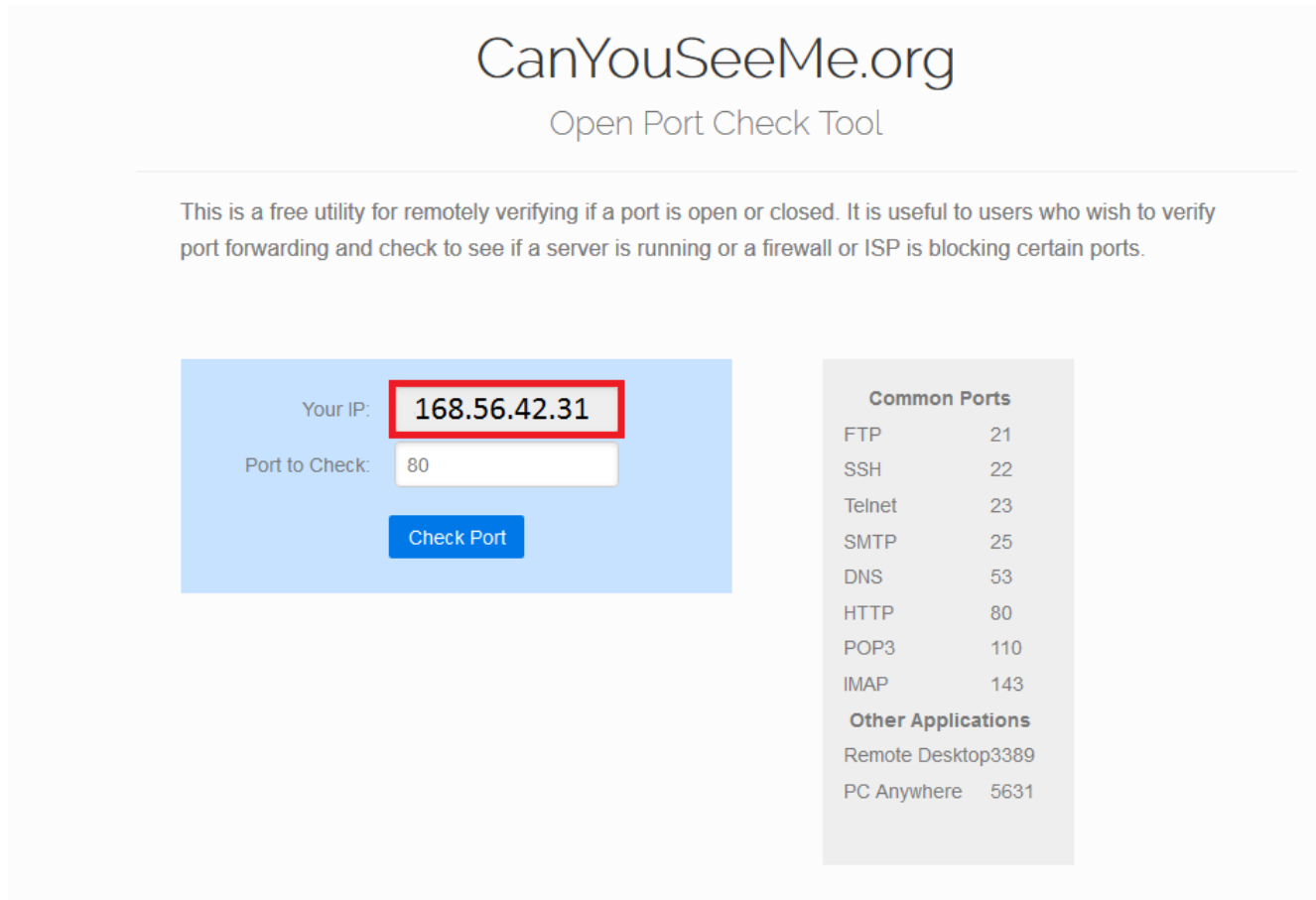
Tunnel adapter isatap.{7A46C10B-E6AB-468D-820B-A21353ED358F}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Tunnel adapter Teredo Tunneling Pseudo-Interface:
```

How to find external IP address (Internet connection).

1. Open up your internet browser of choice (Example: Internet explorer, Mozilla Firefox, Google Chrome) and go to www.canyouseeme.org.

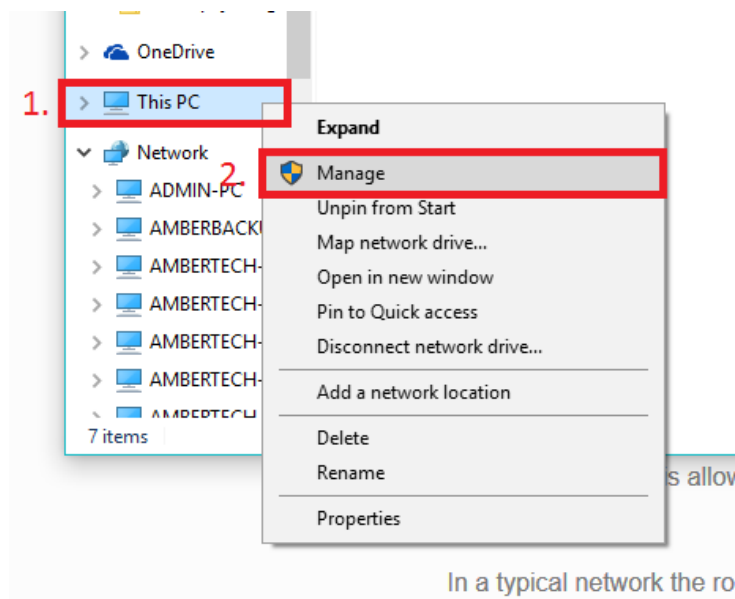


2. This will display your external IP address. It will also allow you to check whether your port is open. Your SQL port must be open to be able to connect over the internet (Usually port 1444).

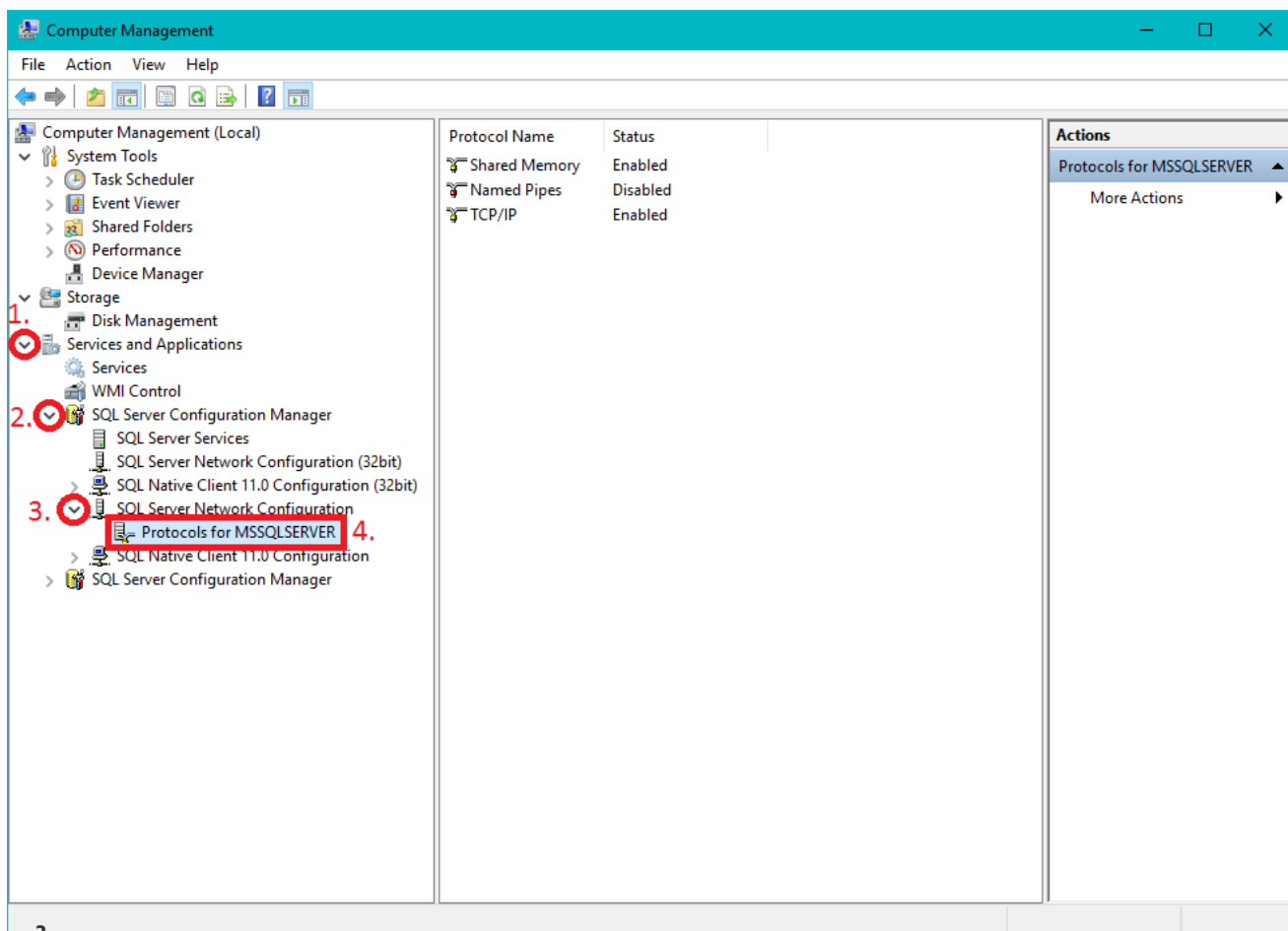


How to check which port SQL is using and whether it is open.

1. Go into windows file explorer and right-click "This PC" then click "Manage".

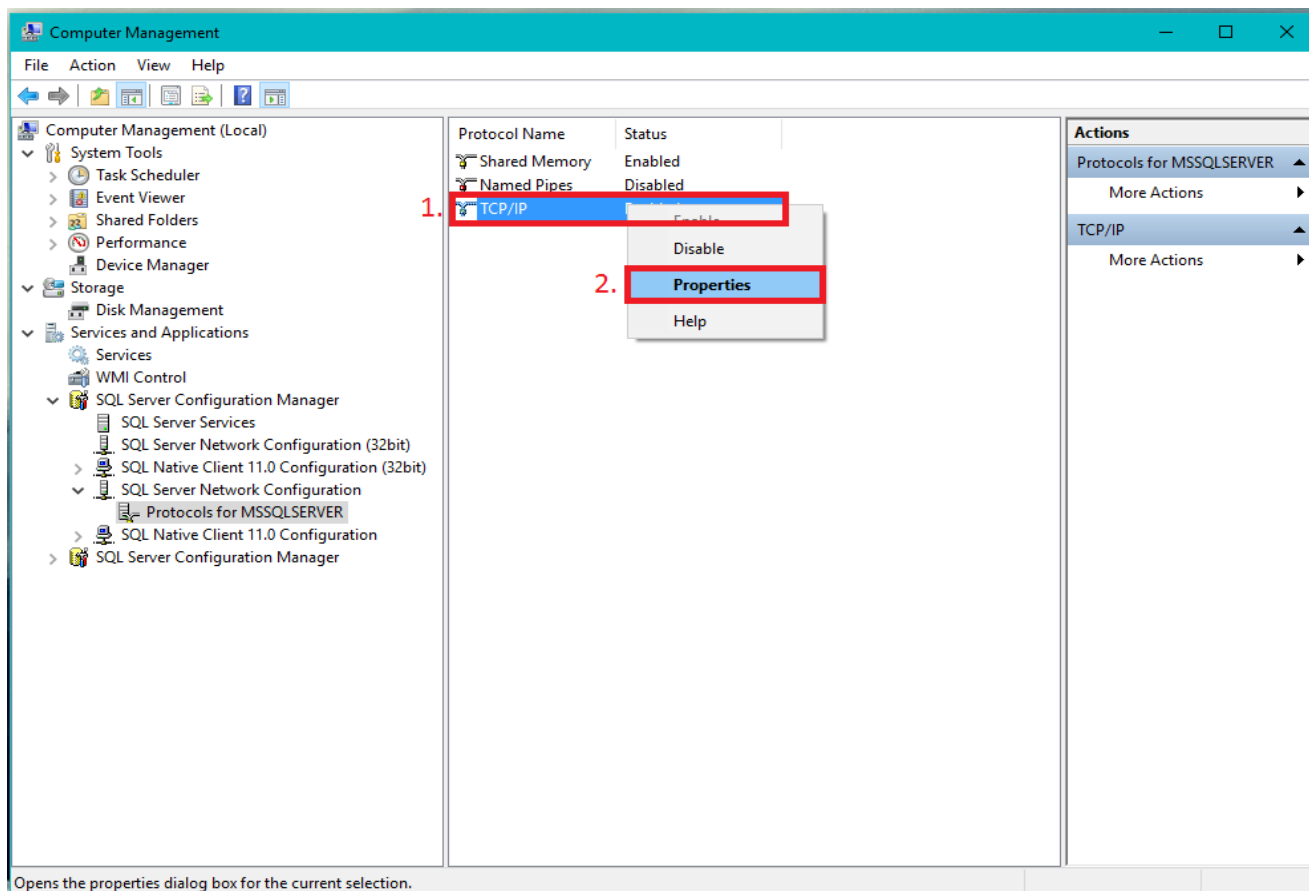


2. Navigate to "Protocols for MSSQLSERVER" by expanding "Services and Applications", "SQL server Configuration Manager", "SQL Server Network Configuration" and select "Protocols for MSSQLSERVER".

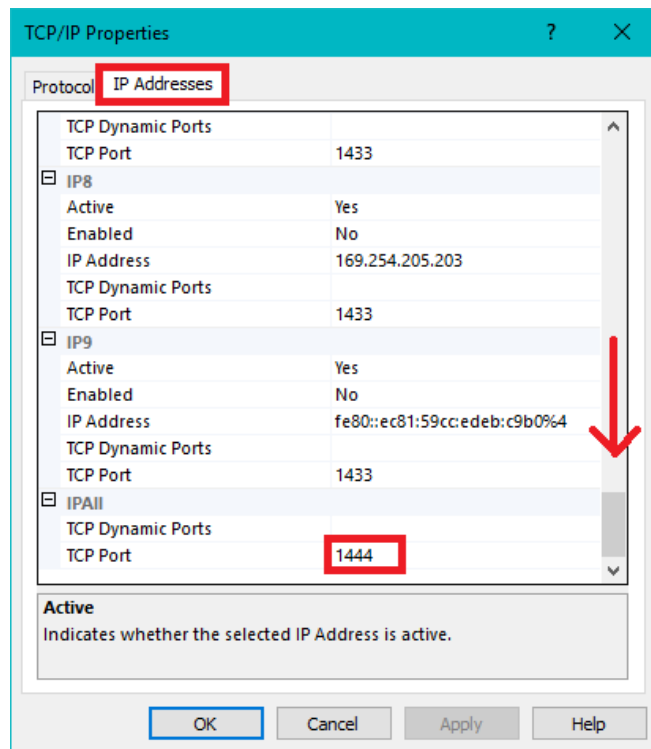


3.

Right-click "TCP/IP" and select "Properties".



4. Go to the "IP Addresses" tab and scroll to the bottom until you see "TCP port". This is what port SQL is using.



5. In your internet browser go to www.canyouseeme.org. Put the port that you saw in the last step into the port field and click "Check Port".

CanYouSeeMe.org

Open Port Check Tool

This is a free utility for remotely verifying if a port is open or closed. It is useful to users who wish to verify port forwarding and check to see if a server is running or a firewall or ISP is blocking certain ports.

Your IP: 168.56.42.31

Port to Check: 1444

Check Port

Common Ports

FTP	21
SSH	22
Telnet	23
SMTP	25
DNS	53
HTTP	80
POP3	110
IMAP	143

Other Applications

Remote Desktop	3389
PC Anywhere	5631

If your port is closed it will look like this:

Error: I could not see your service on 168.56.42.31 on port (1444)

Reason: Connection timed out

Your IP:168.56.42.31

Port to Check:1444

Check Port

If your port is open it will look like this:

Success: I can see your service on 168.56.42.31 on port (1444)

Your ISP is not blocking port 1444

Your IP:168.56.42.31

Port to Check:1444

Check Port