

What Is My IP

Another practical solution from “Practical Compliance Solutions, Corp.”.

Installation Guide for What Is My IP.

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11/11/2014

What Is My IP Installation Guide

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1. Introduction

"What Is My IP" is a service that notifies you when your public IP address changes.

If you do not own a public IP address, then your internet provider assigns you one via DHCP, (Dynamic Host Configuration Protocol).

Many small businesses, companies that employ fewer than 50 people, do not purchase a static IP address for a variety of reasons. Notwithstanding the reason to not have a static IP, the company might rely on VPN (Virtual Private Network) or use SSH (Secure Shell) as a means to access the corporate network. Perhaps someone needs to work from home, or two satellite offices need to be linked to the main office. To access your network from the internet, you need to know your router's public address.

Sometimes we need to know our public IP address if we want to access our home network from someplace that is not home.

People who set up VPN routers in the home so they can access their home network while traveling, or gamers who need to open a port on their network for interactive play would certainly need to know their public IP address.

Companies like DYNDNS, or Duck DNS, or No IP, or yDNS, zonomi, or hopper, allow you to attach a DNS host name to your public IP address.

Some routers automatically update your dynamic IP address with your dynamic DNS provider so that when your public IP address changes, your DNS is up to date.

Sometime this does not work for various reasons.

Certain Verizon Routers have an entry in the router for Dynamic DNS, but it never updates it, almost like it is disabled.

What Is My IP - Dynamic DNS change notification service.

"What is my IP" is a solution for those who are in this situation.

For example, you are away from home, but need to access something from your home computer. You connect to your VPN router and then access your home network. While you are connected, something triggers your ISP's (Internet Service Provider) router to restart causing your external IP address to change. Now your Dynamic DNS is no longer pointing to your external IP address.

"What Is My IP" is a Windows service that runs on one or more of your home computers or servers. It checks your external IP address once per day or as frequently as once every 30 minutes. If your IP address changes, it sends an email or SMS to you. All of this is configurable.

As of this writing, the last time this happened to me was November 2, 2014. I suppose something needed to be reset for the transition of Day Light Savings Time to Standard Time.

So now you know what it is and why you might want it, Installing and configuring it is simple.

Download "What Is My IP" and double click the installer.



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1.1. System Requirements

- 1) Internet Access
- 2) Windows XP, 7, 8, Windows Server 2003, 2008, 2012
- 3) Dot Net Framework 3.5

What Is my IP determines your external IP address by querying our web service. You can click any of these links to check your external IP address.

<http://www.whatismyip.com/>

<http://myexternalip.com/>

<http://mxttoolbox.com/WhatIsMyIP/>

<http://www.ipchicken.com/>

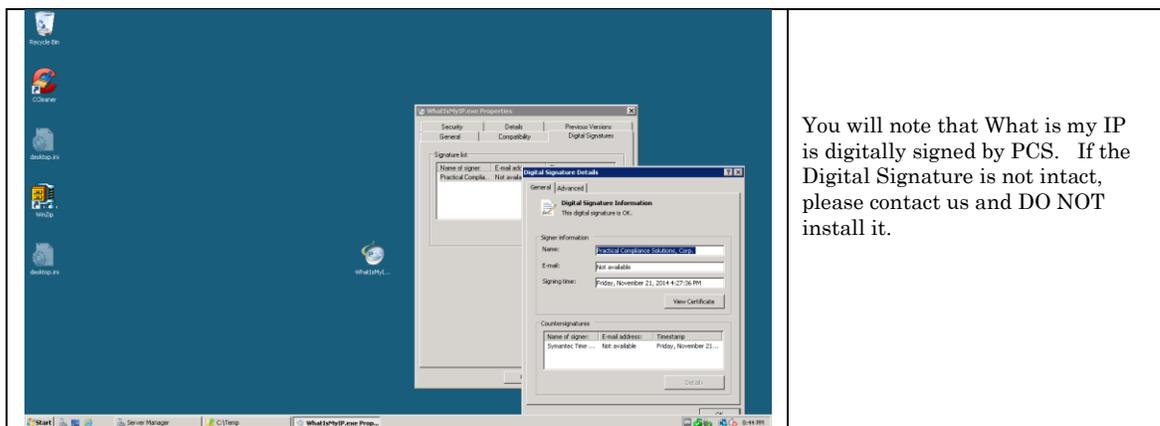
<http://whatismyipaddress.com/>

Just to show a few.

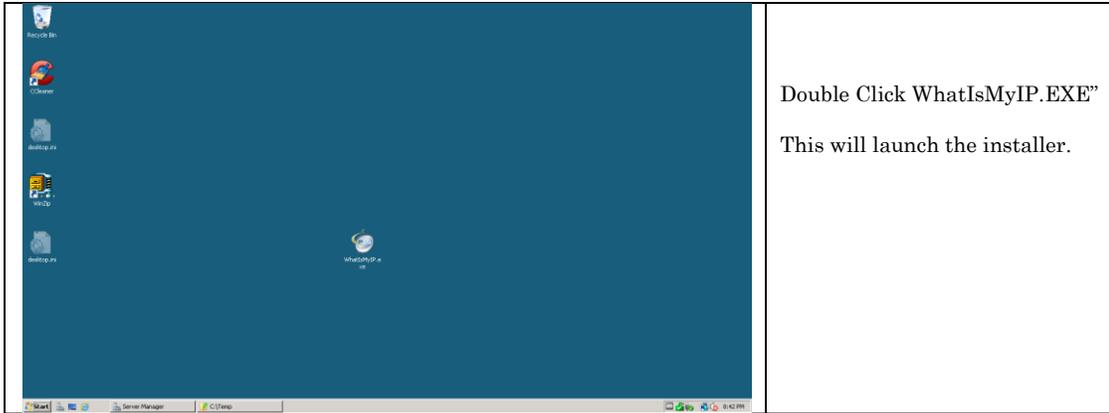
What Is My IP must have access to the internet to perform the query.

What Is My IP also needs to be able to send an email or SMS when your external IP Address changes, therefore your Internet Service Provider SMTP credentials are required. What Is My IP stores them in an encrypted configuration file on your computer. Your credentials are never transferred or compromised.

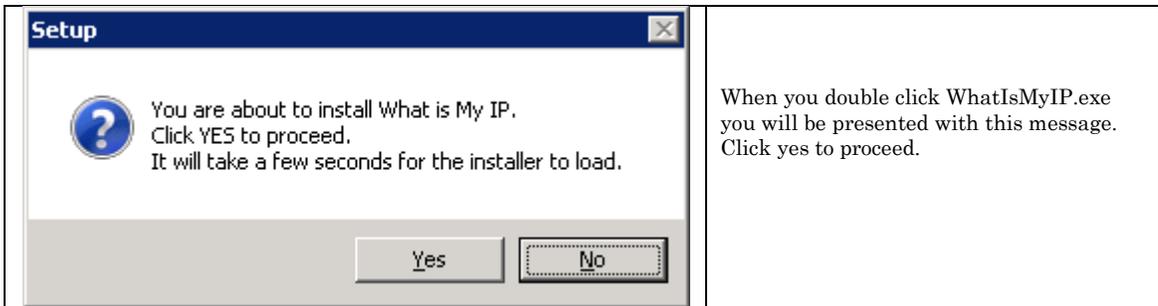
1.2. Installing What Is My IP



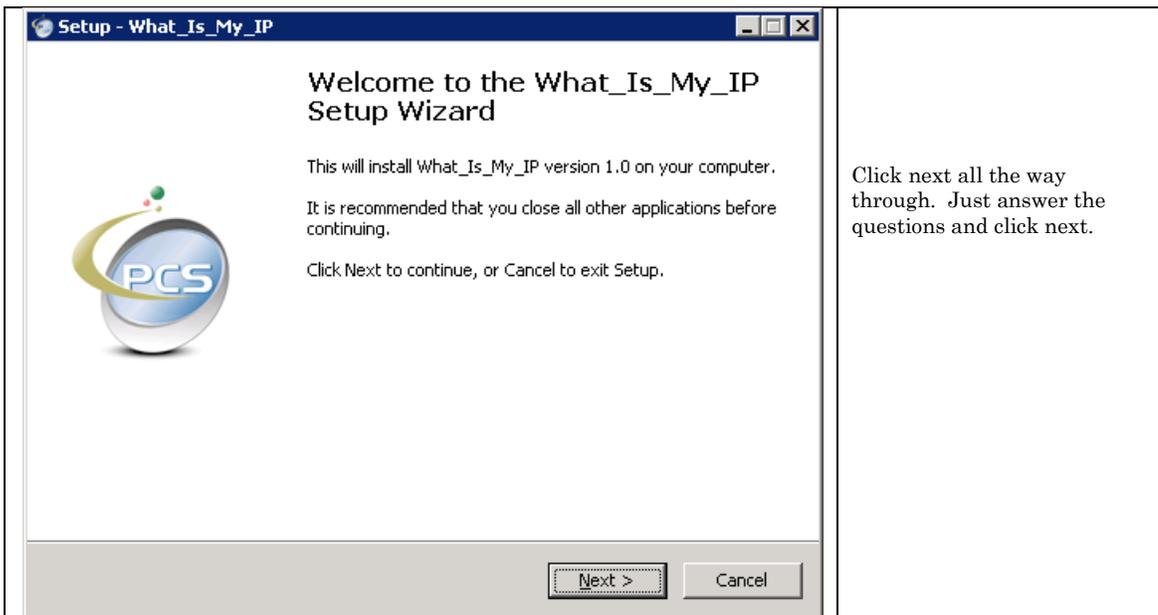
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Double Click WhatIsMyIP.EXE”
This will launch the installer.



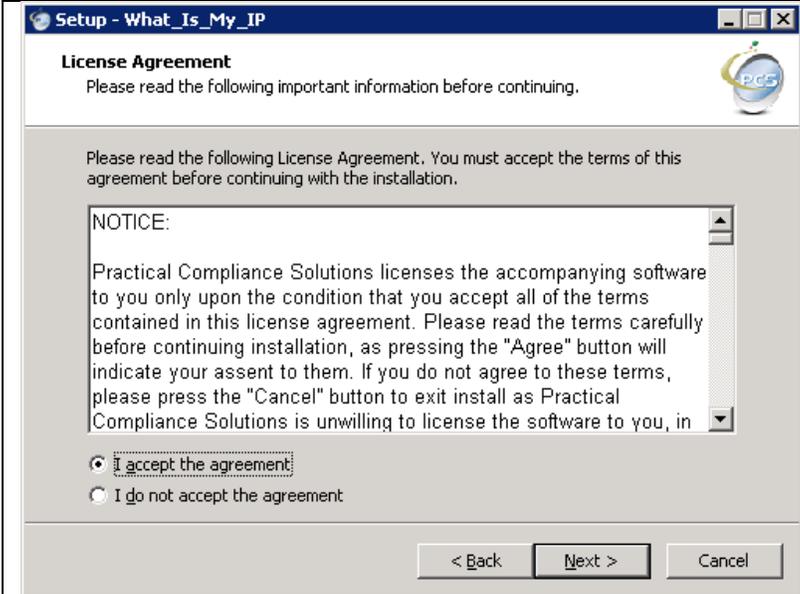
When you double click WhatIsMyIP.exe you will be presented with this message. Click yes to proceed.

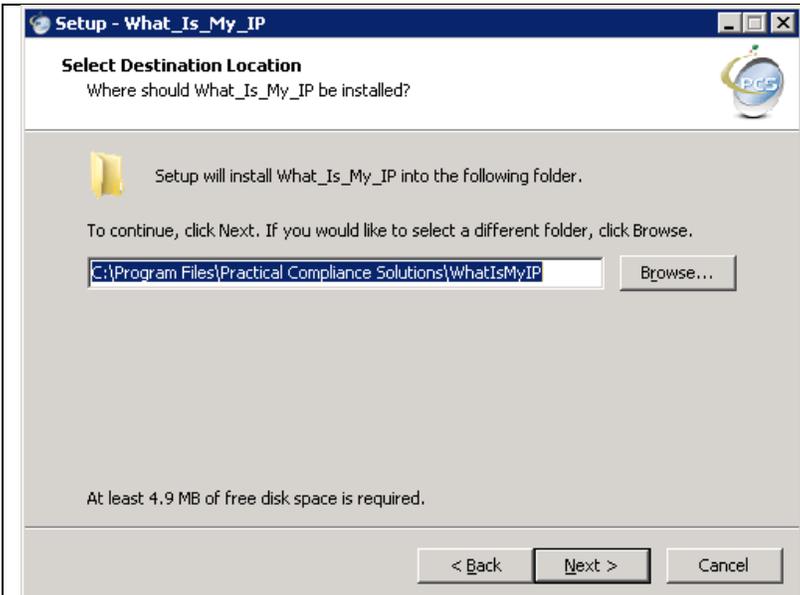


Click next all the way through. Just answer the questions and click next.



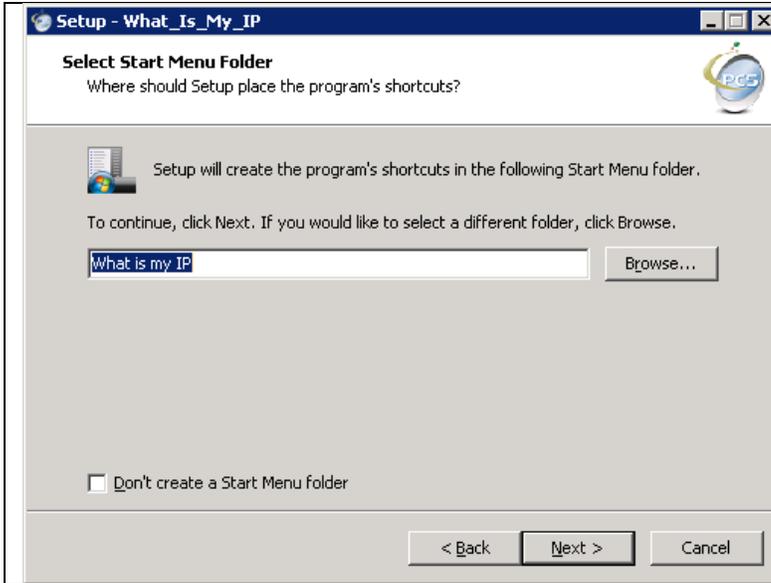
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| | |
|--|--|
|  | <p>You will need to accept the End User License Agreement.</p> |
|--|--|

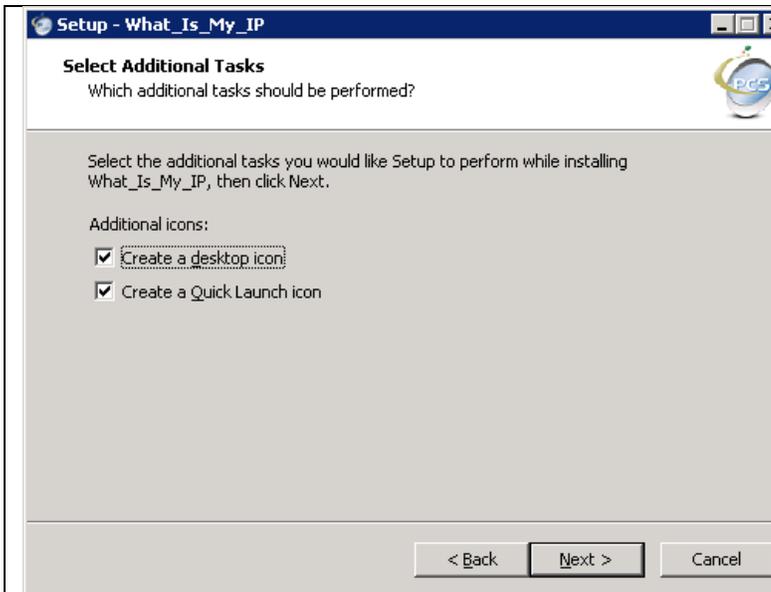
| | |
|---|--|
|  | <p>You may choose to change the installation path if you like.</p> |
|---|--|



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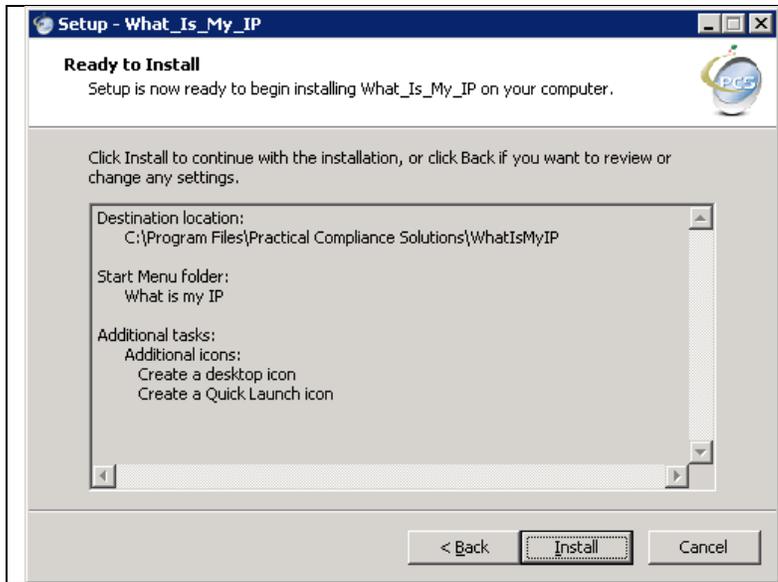
You can change the start menu location or select to not create an entry in the start menu.



Check the boxes according to whether you want ICONs created or not.



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Ready to Install

Setup is now ready to begin installing What_Is_My_IP on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

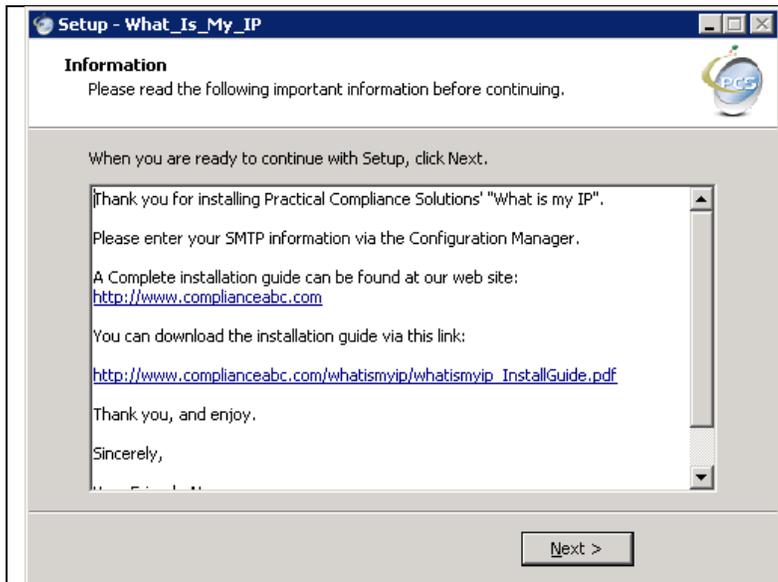
Destination location:
C:\Program Files\Practical Compliance Solutions\WhatIsMyIP

Start Menu folder:
What is my IP

Additional tasks:
Additional icons:
Create a desktop icon
Create a Quick Launch icon

< Back Install Cancel

Just Click Install



Information

Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

Thank you for installing Practical Compliance Solutions' "What is my IP".

Please enter your SMTP information via the Configuration Manager.

A Complete installation guide can be found at our web site:
<http://www.complianceabc.com>

You can download the installation guide via this link:
http://www.complianceabc.com/whatismyip/whatismyip_InstallGuide.pdf

Thank you, and enjoy.

Sincerely,

Next >

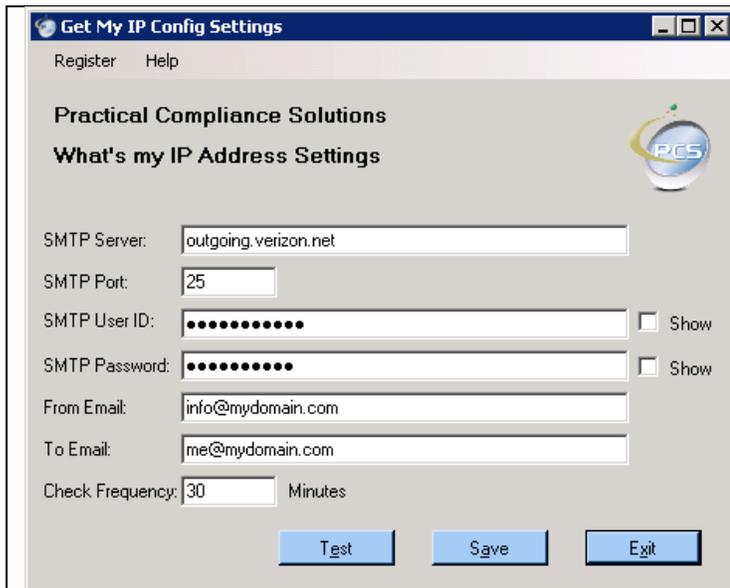
Click next to complete.



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What is my IP can be automatically launched from the installation from the last screen.



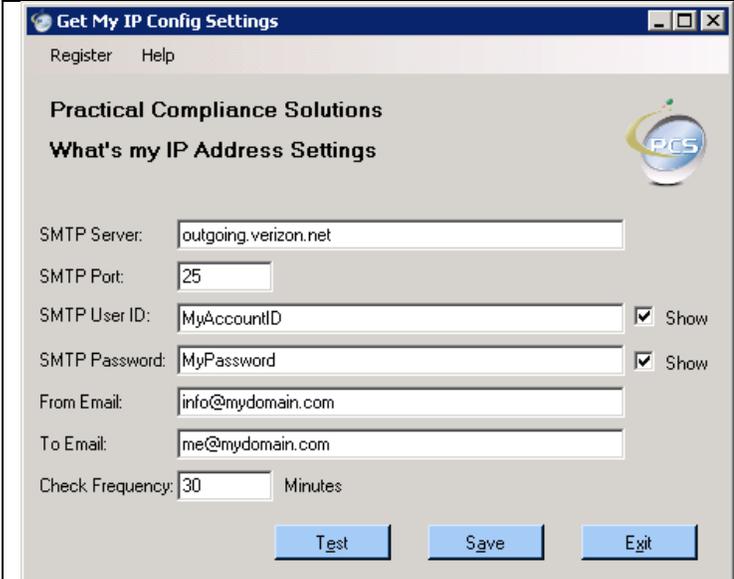
The SMTP User ID and Password is encrypted in the configuration file. Click the show check boxes to see the user id and password.

After filling out the from email and to email, you can click test.

If your SMTP server does not require authentication, then make the user id and password blank.



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| | |
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|  | <p>The from email should resemble something like admin@yourdomain.com or youremail@gmail.com</p> <p>You can enter up to two email addresses for the TO Email separated by a semi colon such as myemail@gmail.com ; 2015551212@vtext.com</p> <p>In the example above an email and a text message will be sent when the external IP address changes..</p> |
|--|---|

Fill out the SMTP Server information. If you have an SMTP Server installed that is set up as anonymous, then just supply the SMTP Server without credentials, otherwise enter your ISP's SMTP server the same way you would enter it if you were setting up a Microsoft Outlook mailbox.

For Example: mail.mydomain.com, or outgoing.verizon.net, or mail.optonline.net, or mail@gmail.com

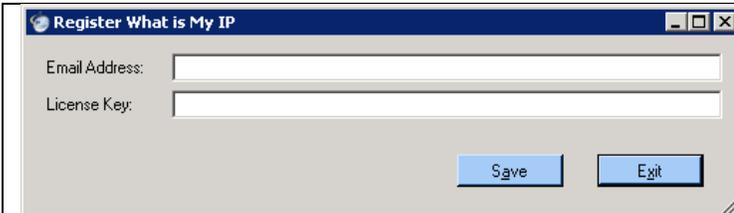
The SMTP Port will also be necessary. The default is 25

After filling out all of the data, you can click test and a test email will be sent to the To Address from the From Address.

Clicking the Save button, saves the values to the configuration and starts the service.

Look at the log file to verify that your external IP Address is properly recorded.

You will receive an email and or text message when your external IP Address changes.

| | |
|--|---|
|  | <p>You must register the product for you receive emails when your IP changes.</p> |
|--|---|

If you look inside of the file "WhatIsMyIP.exe.config" you will see the encrypted passwords as pictured below.

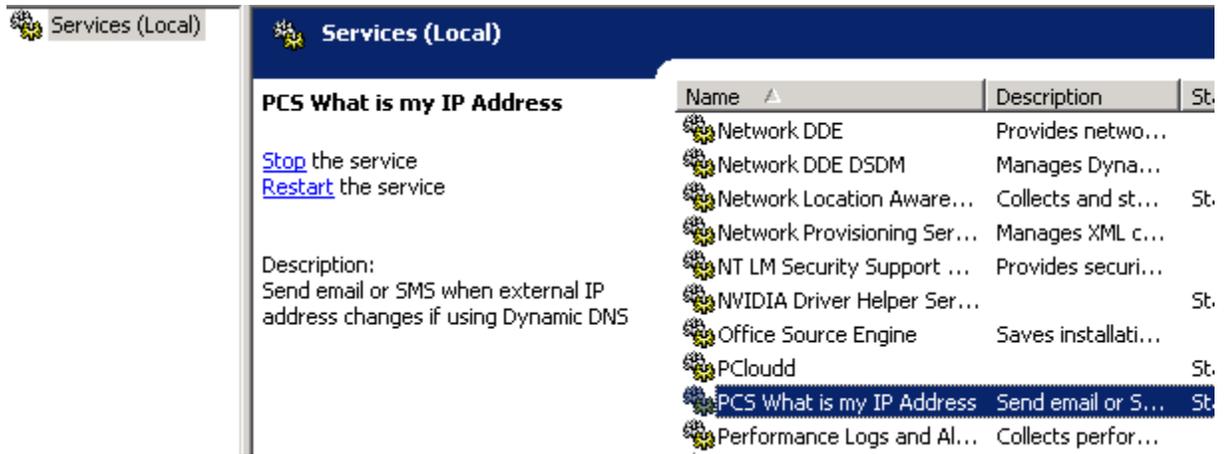


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```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <appSettings>
    <add key="sLog_Path" value="C:\Program Files\Practical Compliance Solutions\WhatIsMyIP\Logs" />
    <add key="sKeepLogsDays" value="30" />
    <add key="sDebugLog" value="True" />
    <add key="sLogLongRunningQueries" value="True" />
    <add key="sLongRunningQueryTime" value="500" />
    <add key="sLongRunningQueryInterval" value="MILLISECONDS" />
    <add key="sSMTPServer" value="outgoing.verizon.net" />
    <add key="sSMTPPort" value="25" />
    <add key="sSMTPUID" value="~\?~B716498E5C13ACD590E08651AEDA5163245" />
    <add key="sSMTPPW" value="~\?~8028DD45D5642F08D6FDE927999DC8DB32145" />
  </appSettings>
</configuration>
```

1.3. Trouble Shooting:

If the Service does not start when you click the save button on the configuration page, then open the services screen by running "services.msc", locate "PCS What is my IP Address" and start it.



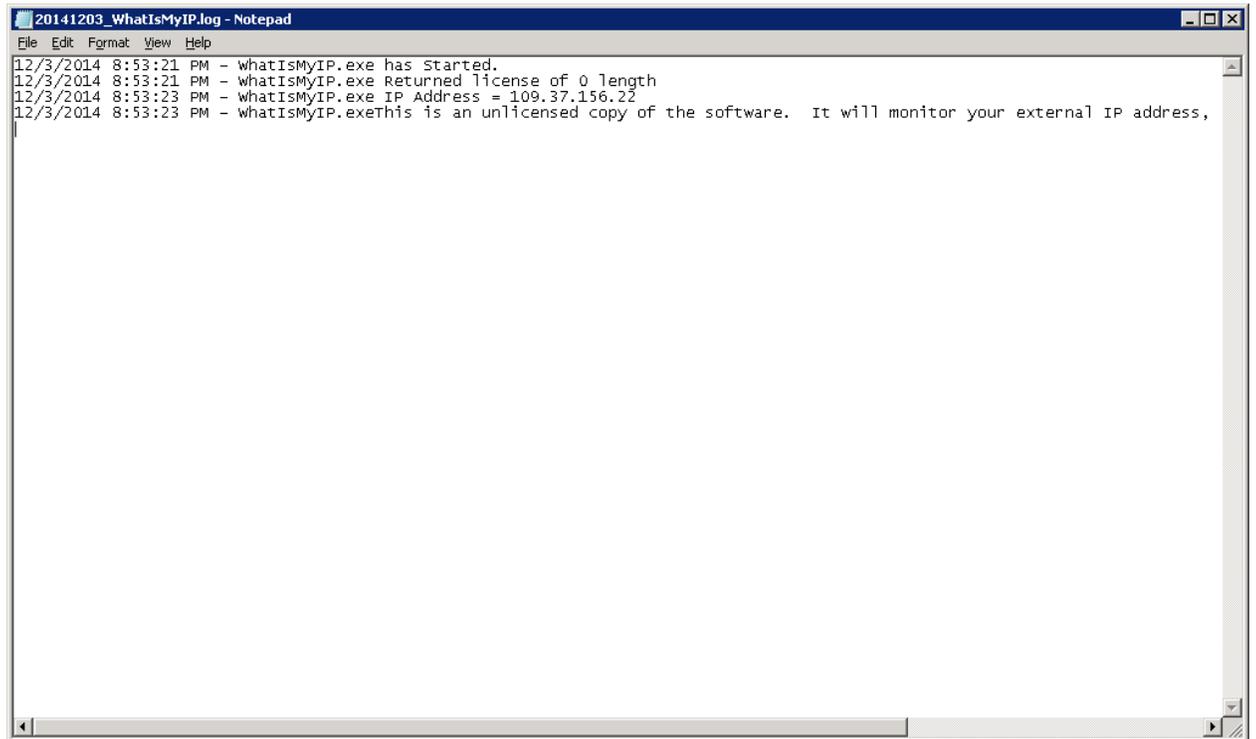
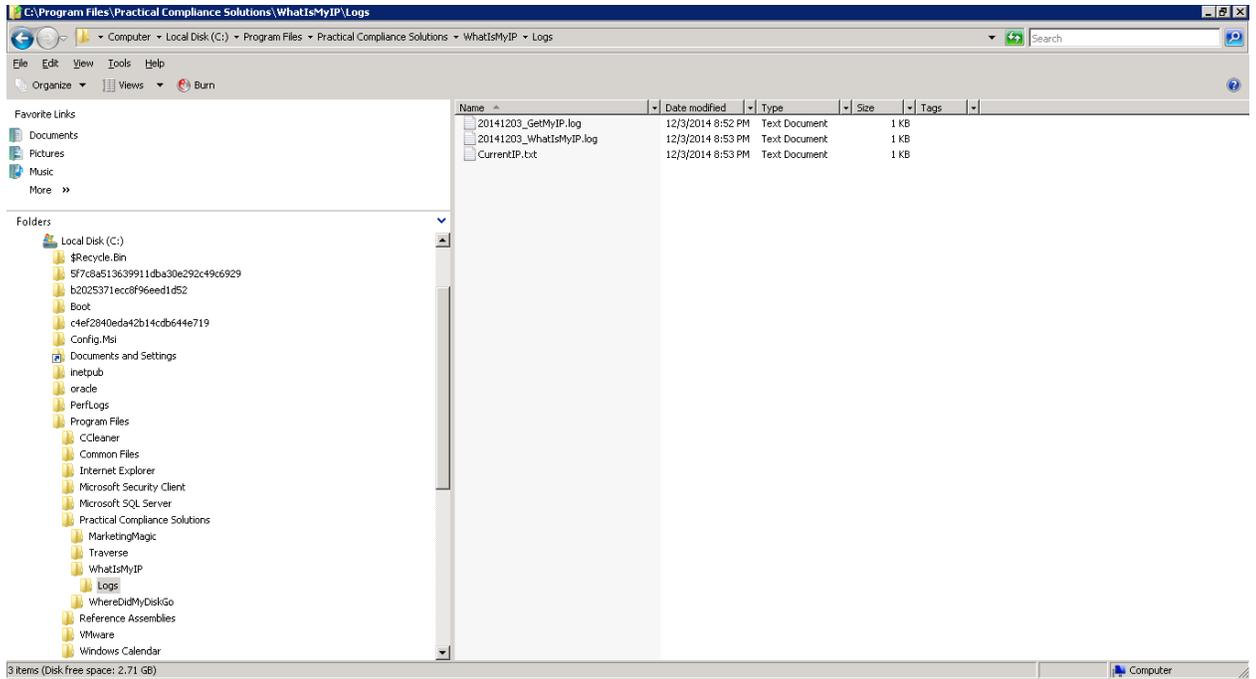
The screenshot shows the Windows Services console. The left pane shows 'Services (Local)' with 'PCS What is my IP Address' selected. The right pane shows the service details for 'PCS What is my IP Address', including a description: 'Send email or SMS when external IP address changes if using Dynamic DNS'. Below the description are links for 'Stop the service' and 'Restart the service'. A list of other services is visible on the right, including Network DDE, Network DDE DSDM, Network Location Aware..., Network Provisioning Ser..., NT LM Security Support..., NVIDIA Driver Helper Ser..., Office Source Engine, PCloud, PCS What is my IP Address (highlighted), and Performance Logs and Al...

If something does not seem to work initially, everything you need to know will be in the log files pictured below. The file named currentIP.txt contains the current IP address. This file is used when your computer reboots. If you have automatic Windows updates turned on, then your computer will likely re-boot automatically in the middle of the night. This file guarantees that we didn't miss a change in IP.

The other files contain status information and errors if they occur.



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Using invalid credentials, we generated this error just as an example.



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11.11.2014 20:38:05 - Running Program: C:\Program Files\Practical Compliance Solutions\WhatIsMyIP\WhatIsMyIP.exe - ARGS:

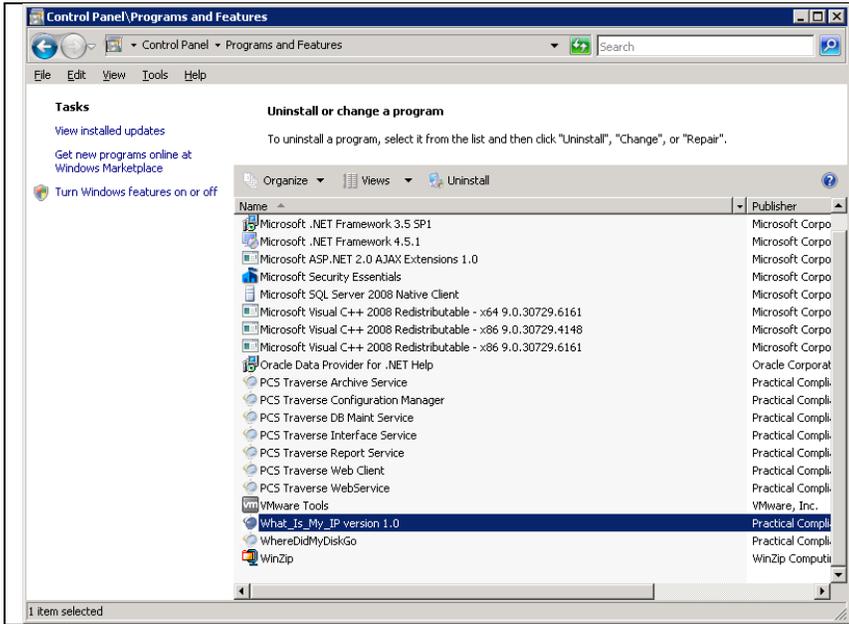
11.11.2014 20:39:26 - - An error occurred in Module: GetMyIPConfig.exe.sSendEmail - System.Net.Mail.SmtpException: Failure sending mail. ---> System.Net.WebException: Unable to connect to the remote server ---> System.Net.Sockets.SocketException: No connection could be made because the target machine actively refused it xxx.xxx.xxx.xxx

at System.Net.Sockets.Socket.DoConnect(EndPoint endPointSnapshot, SocketAddress socketAddress)

at System.Net.ServicePoint.ConnectSocketInternal(Boolean connectFailure, Socket s4, Socket s6, Socket& socket, IPAddress& address, ConnectSocketState state, IAsyncResult asyncResult, Int32 timeout, Exception& exception)

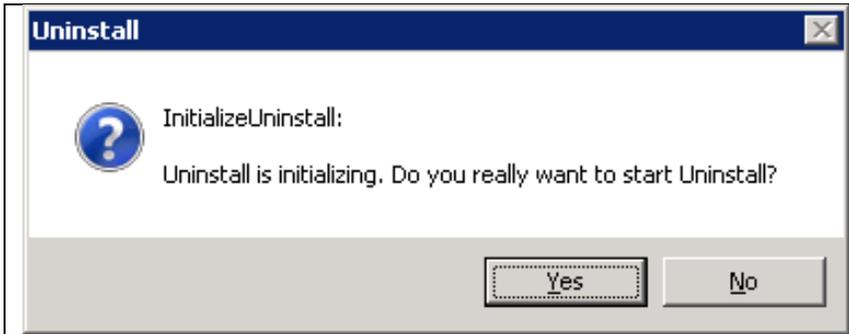
If you can't get it to run at all, just call us or send an email.

1.4. Removing What Is My IP



Open Control Panel and select "Add Remove Programs" or "Programs and Features"

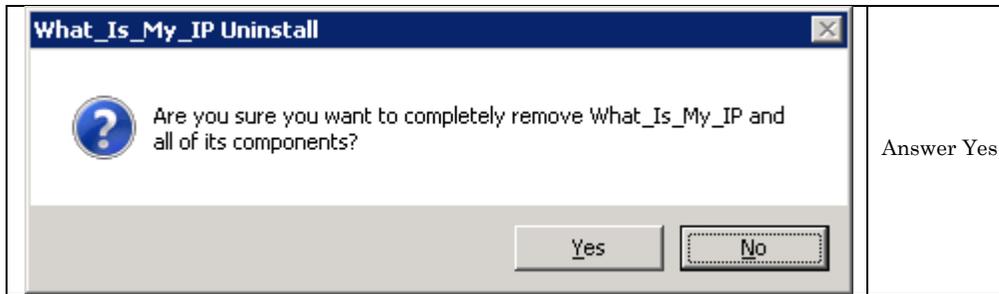
Find What_Is_My_IP, select it and remove it.



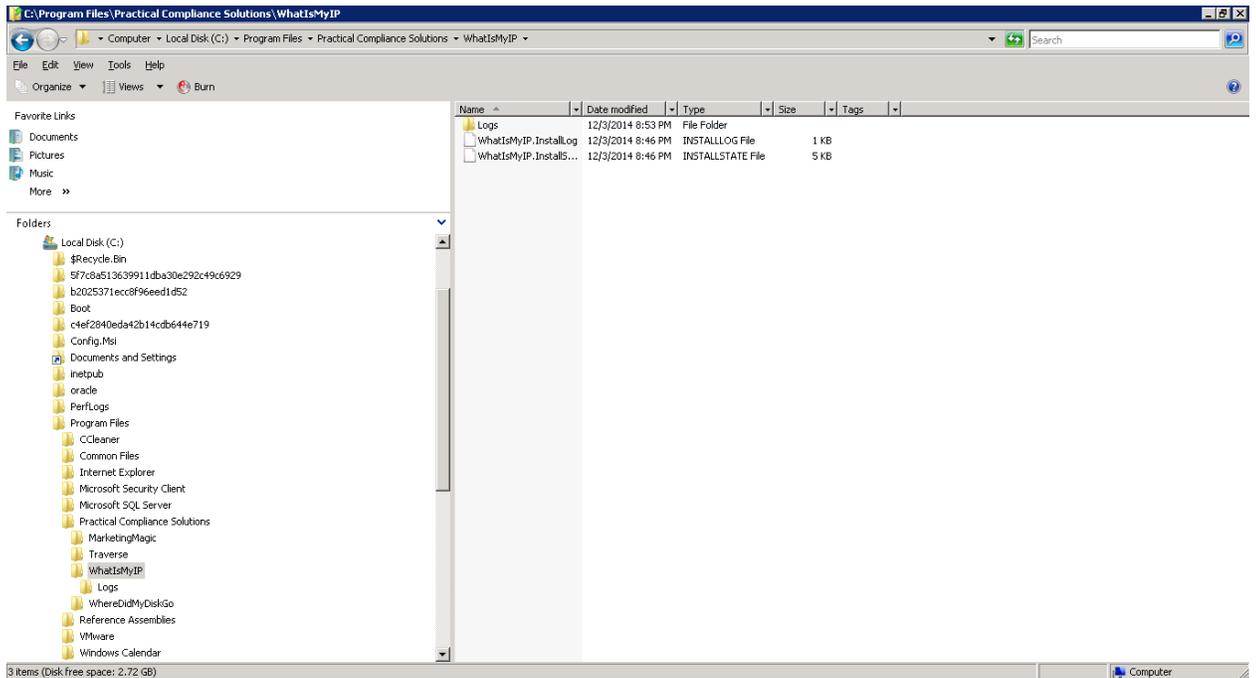
Answer YES



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Answer Yes



You can then delete the directory manually. The uninstall process always leaves behind the logs. Also if the shortcut is left behind you can delete it as well.

