

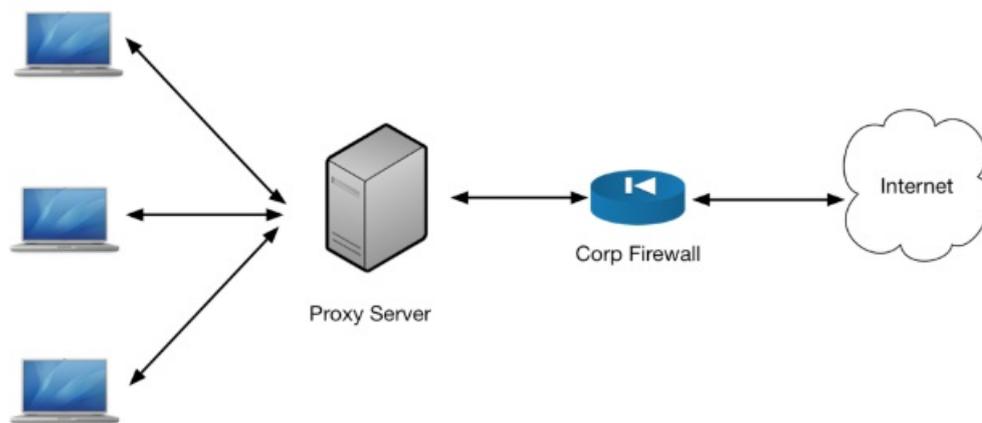
Using the Automox Agent With a Proxy Server

How to configure a device that uses a proxy server.

Proxy Server Configurations

Many organizations use a proxy server to manage and monitor internet traffic. A proxy server acts as an intermediary between a client and the external network. Popular proxy servers include ProxySG and Squid, among others.

There are two typical configurations: caching and transparent. The most common is a caching proxy. A caching proxy requires that the client is configured to use the proxy. This can be done through DHCP or manual configuration. As an example, the web proxy for a client is set to 10.0.0.2 with port 3128. The network is then configured to only allow traffic outbound from 10.0.0.2 and not directly from the client.



In a transparent proxy, the client does not need to know about the proxy server. It most often runs in line with the router. No client-side configuration is needed.

Proxy Evaluation Order

If the proxy is set, an attempt is made to use it. If it is unreachable, the next proxy is checked.

The order of proxy evaluation by Automox is as follows:

1. AUTOMOX_PROXY/automox_proxy
2. HTTPS_PROXY/https_proxy
3. HTTP_PROXY/http_proxy
4. Windows Only: IE Proxy (Dynamic via PAC file)
5. Windows Only: IE Proxy (Static)
6. Direct

Note: The agent runs as a local system. The proxy settings must be configured at the system level, not the user level.

Follow the examples for configuring the environment variables.

Automox Client Configuration - Linux

The Automox client needs one of the previously mentioned proxy settings configured. For example, if you are using `HTTP_PROXY` and `HTTPS_PROXY`, these can be set in your current session using `export HTTP_PROXY=http://10.0.0.1:3128` and `export HTTPS_PROXY=http://10.0.0.1:3128` replacing 10.0.0.1:3128 with your proxy server address and port. However, since the Automox agent will run automatically at startup, the best practice is to ensure that this is set globally in the file `/etc/profile`.

Step 1. Begin by editing the file `/etc/profile`.



Step 2. Append `export HTTP_PROXY=http://yourProxyServer:yourProxyPort` and `export HTTPS_PROXY=http://yourProxyServer:yourProxyPort`.

```
joe@fedora27:~  
File Edit Tabs Help  
    if [ "${-#*i}" != "$-" ]; then  
        . "$i"  
    else  
        . "$i" >/dev/null  
    fi  
fi  
done  
  
unset i  
unset -f pathmunge  
  
if [ -n "${BASH_VERSION-}" ] ; then  
    if [ -f /etc/bashrc ] ; then  
        # Bash login shells run only /etc/profile  
        # Bash non-login shells run only /etc/bashrc  
        # Check for double sourcing is done in /etc/bashrc.  
        . /etc/bashrc  
    fi  
fi  
  
#Global Proxy Server declaration for Automox Agent.  
#Replace yourProxy... with your proxy name/IP.  
export HTTP_PROXY=http://yourProxyServer:ProxyPort  
"/etc/profile" 89L, 2206C written
```

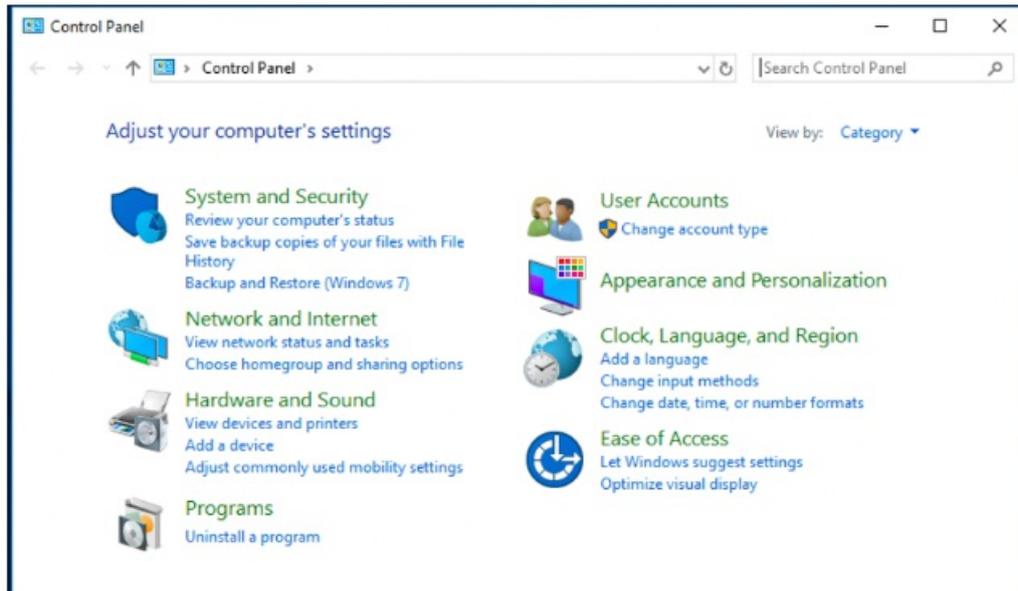
Step 3. To verify the setting, you can log out of your session, log in again, and run `echo $HTTP_PROXY` or `echo $HTTPS_PROXY` .

```
joe@fedora27:~  
File Edit Tabs Help  
[joe@fedora27 ~]$ echo $HTTP_PROXY  
http://yourProxyServer:ProxyPort  
[joe@fedora27 ~]$
```

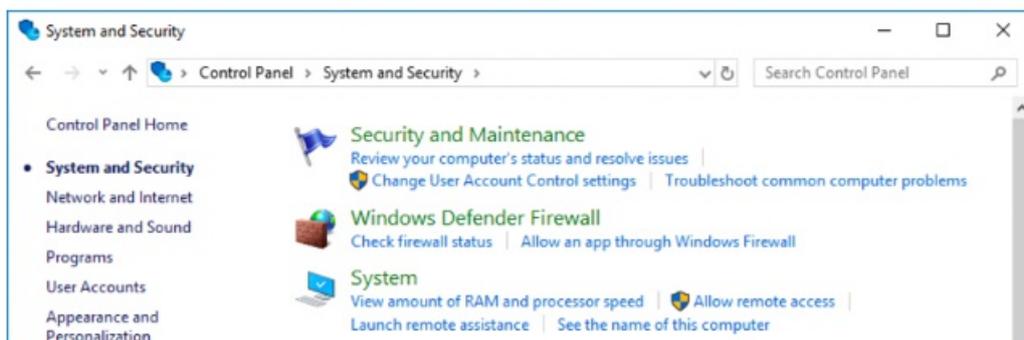
Automox Client Configuration – Windows

The Automox client requires that a system environment variable is set. This is not a profile environment variable but rather a system environment variable. For Windows clients, Automox supports the use of PAC files for proxy deployments and will attempt to use your IE proxy settings.

Step 1. In the Control Panel, click **System and Security**.



Step 2. Click **System**.



Step 3. Click **Advanced System Settings**.



Step 4. Click **Environment Variables**.

System Properties



Computer Name Hardware **Advanced** System Protection Remote

You must be logged on as an Administrator to make most of these changes.

Performance
Visual effects, processor scheduling, memory usage, and virtual memory

Settings...

User Profiles
Desktop settings related to your sign-in

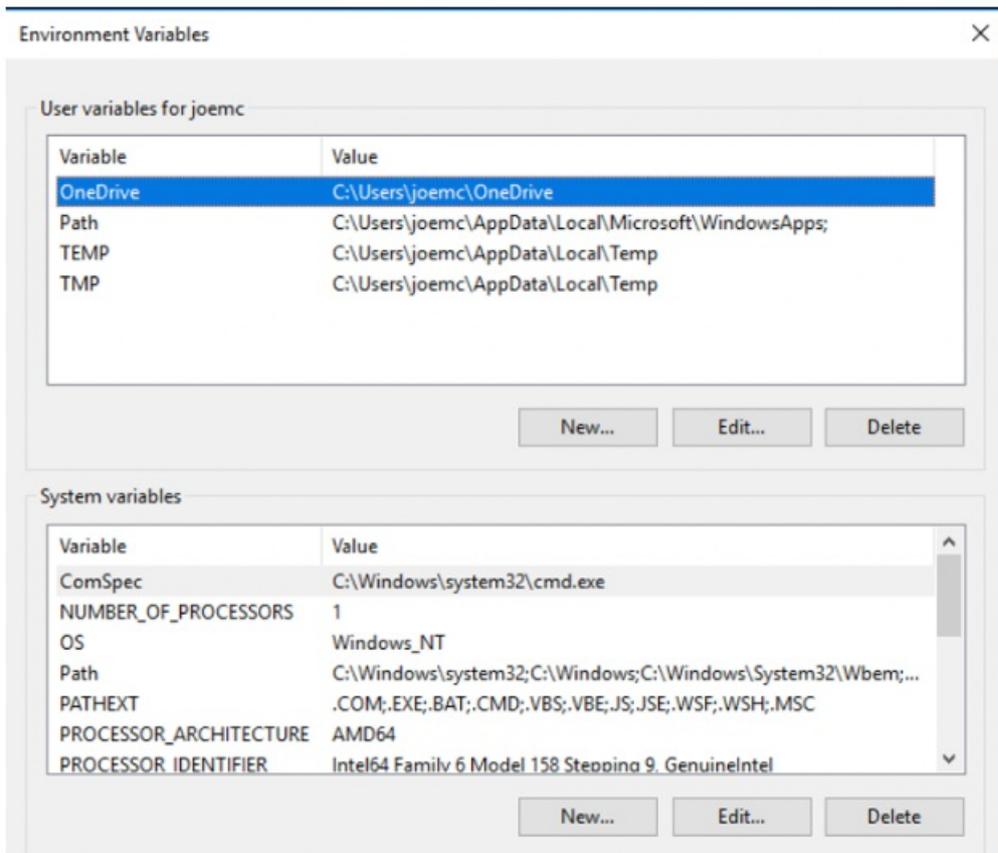
Settings...

Startup and Recovery
System startup, system failure, and debugging information

Settings...

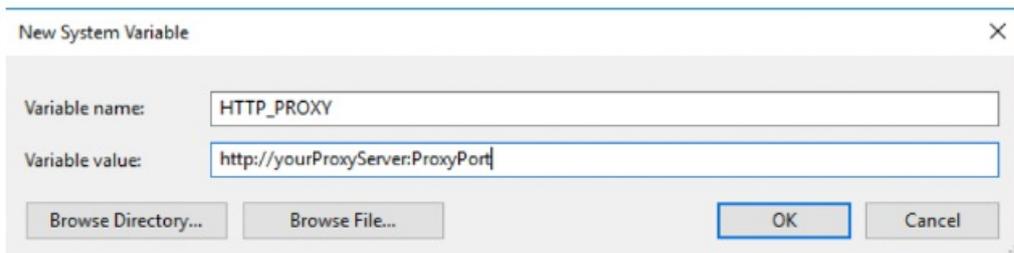
Environment Variables...

Step 5. Under System variables, click **New**.

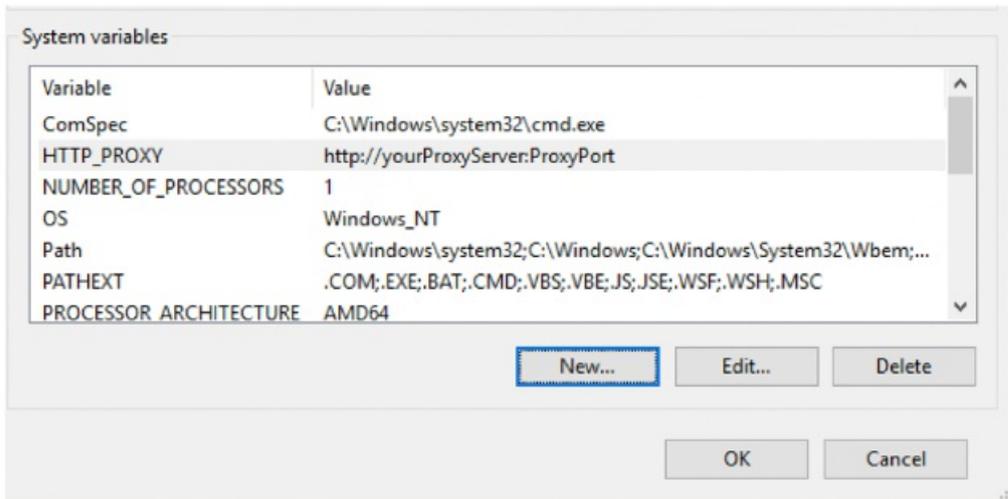


Step 6. As an example, you can configure variables as follows:

- For Variable name enter: `HTTP_PROXY`
- For Variable value enter: the IP/Name of your proxy server and port.
- Click OK.



Step 7. Click OK.



Step 8. In the example, you would complete the same steps for HTTPS_PROXY. Be sure to leave the protocol as **http**, leaving out the "s."

Your Automox Agent is now configured to use your proxy server.

You can automate setting the proxy by using a worklet. Refer to [Creating a Worklet](#) and our [Automox Community](#) for examples of creating and applying worklets.
