

OpenVPN Installation and Connection using Windows 10

This presentation uses the VPN software found in the class D2L BrightSpace site under Content | VPN. The current plan calls for the VPN software to be renewed each semester.

OS: Windows 10 1809

Preuss

2/3/2019



Recycle Bin

The presentation logs on to Windows. In this case, this is a virtual machine. However, it should not matter if the Windows 10 machine is virtual or not.




Recycle Bin

Downloads

File Home Share View

This PC > Downloads

Search Downloads

Name	Date modified	Type	Size
 openvpn-egypt-UDP4-1194-student-ipv4-install-2.4.6-1602	1/14/2019 10:34 AM	Application	3,867 KB

Quick access

- Desktop
- Downloads
- Documents
- Pictures
- Music
- Videos
- This PC
- Network

1 item

The presentation downloads the OpenVPN installer from the class D2L Brightspace class site.

The presentation double clicks on the installer to begin the installation.

User Account Control ✕

Do you want to allow this app from an unknown publisher to make changes to your device?

openvpn-postinstall.exe

Publisher: Unknown
File origin: Hard drive on this computer

[Show more details](#)

To continue, enter an admin user name and password.

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The presentation enters the administrator password to continue the installation.



Recycle Bin

OpenVPN Configuration Setup



Welcome to OpenVPN installer.

This wizard will guide you through the installation of the OpenVPN client and configuration.

This will automatically install the configuration files needed for your connection.

Install Cancel


The presentation selects "Install" to continue.





Recycle Bin

OpenVPN 2.4.6-1602 Setup



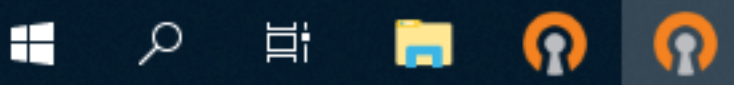
Welcome to the OpenVPN 2.4.6-1602 Setup Wizard

This wizard will guide you through the installation of OpenVPN , an Open Source VPN package by James Yonan.

Note that the Windows version of OpenVPN will only run on Windows Vista, or higher.

Next > Cancel

The presentation selects "Next" to continue.





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OpenVPN 2.4.6-I602 Setup

OPENVPN License Agreement
Please review the license terms before installing OpenVPN 2.4.6-I602.

Press Page Down to see the rest of the agreement.

OpenVPN (TM) -- An Open Source VPN daemon
Copyright (C) 2002-2018 OpenVPN Inc <sales@openvpn.net>
This distribution contains multiple components, some of which fall under different licenses. By using OpenVPN or any of the bundled components enumerated below, you agree to be bound by the conditions of the license for each respective component.
OpenVPN trademark

If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install OpenVPN 2.4.6-I602.

Nullsoft Install System v2.50-1

< Back I Agree Cancel

After reviewing the license, the presentation selects "I Agree" to continue.





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OpenVPN 2.4.6-1602 Setup

Choose Components

Choose which features of OpenVPN 2.4.6-1602 you want to install.

Select the components to install/upgrade. Stop any OpenVPN processes or the OpenVPN service if it is running. All DLLs are installed locally.

Select components to install:

- OpenVPN User-Space Components
- OpenVPN Service
- TAP Virtual Ethernet Adapter
- OpenVPN GUI
- EasyRSA 2 Certificate Management Scripts
- Advanced**

Space required: 12.6MB

Description
Position your mouse over a component to see its description.

Nullsoft Install System v2.50-1

< Back **Next >** Cancel

The presentation does not make any changes. The presentation selects "Next" to continue.





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OpenVPN 2.4.6-I602 Setup

OPENVPN Choose Install Location
Choose the folder in which to install OpenVPN 2.4.6-I602.

Setup will install OpenVPN 2.4.6-I602 in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.

Destination Folder

C:\Program Files\OpenVPN

Space required: 12.6MB
Space available: 42.3GB

Nullsoft Install System v2.50-1

The presentation selects "Install" to continue.






Recycle Bin


OpenVPN 2.4.6-1602 Setup

Windows Security

Would you like to install this device software?

 Name: TAP-Windows Provider V9 Network adapters
Publisher: OpenVPN Technologies, Inc.

Always trust software from "OpenVPN Technologies, Inc."

 You should only install driver software from publishers you trust. [How can I decide which](#)

During the installation, the message shown appeared. The presentation selected "Install" to continue.





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OpenVPN
GUI

OpenVPN 2.4.6-1602 Setup

Installation Complete
Setup was completed successfully.

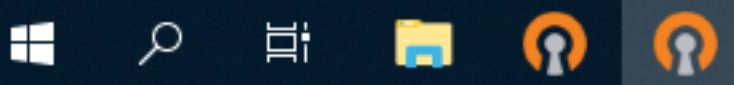
Completed

Output folder: C:\Program Files\OpenVPN
Extract: icon.ico
Output folder: C:\Program Files\OpenVPN\doc
Extract: license.txt
Created uninstaller: C:\Program Files\OpenVPN\Uninstall.exe
Starting OpenVPN Interactive Service
Checking .NET Framework version...
.NET Framework 4.0 Full found, no need to install.
Proceeding with remainder of installation.
Completed

Nullsoft Install System v2.50-1

< Back **Next >** Cancel

The installation is






Recycle Bin



OpenVPN
GUI

OpenVPN 2.4.6-I602 Setup



Completing the OpenVPN 2.4.6-I602 Setup Wizard

OpenVPN 2.4.6-I602 has been installed on your computer.
Click Finish to close this wizard.

Show Readme

< Back **Finish** Cancel

The presentation selects "Finish" to continue.





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OpenVPN
GUI

OpenVPN Configuration Setup

Installation Complete
Setup was completed successfully.

Completed

Pausing installation while OpenVPN installer runs.
Execute: ".\openvpn-install.exe"
Completed OpenVPN installation.
Installing configuration files ...
Installing certificate and key files ...
Completed

Nullsoft Install System v2.50-1

< Back Close Cancel

An additional item needed to be installed. Once the presentation see the completed message, the presentation selects "Close" to continue.





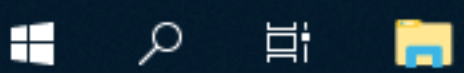
Recycle Bin



OpenVPN
GUI

After installation, you may reboot your computer or double click on the OpenVPN GUI. This will add the icon shown in the other text box.

The presentation selects the "v" symbol to reveal the menu shown. The presentation right clicks on the computer and lock icon.





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OpenVPN
GUI

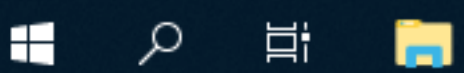
The presentation selects "Connect" to make the VPN connection.



- Connect
- Disconnect
- Reconnect
- Show Status

- View Log
- Edit Config
- Clear Saved Passwords

- Import file...
- Settings...
- Exit






Recycle Bin




OpenVPN
GUI

OpenVPN Connection (script-LDP4-1194-student-ipv4-config)

Windows Security Alert

 Windows Defender Firewall has blocked some features of this app

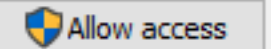
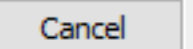
Windows Defender Firewall has blocked some features of OpenVPN Daemon on all public and private networks.

 Name: **OpenVPN Daemon**
Publisher: The OpenVPN Project
Path: C:\program files\openvpn\bin\openvpn.exe

Allow OpenVPN Daemon to communicate on these networks:

- Private networks, such as my home or work network
- Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)

[What are the risks of allowing an app through a firewall?](#)

The presentation selects "Allow Access" to continue. This is a one time request.





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OpenVPN
GUI

OpenVPN Connection (egypt-UDP4-1194-student-ipv4-config)

Current State: Connected

```

Sun Jan 27 14:10:41 2019 TAP-WIN32 device [Ethernet] opened: \\.\Global\{2CE0ABB0-03D8-4CF7-8D3B-80FAA323}
Sun Jan 27 14:10:41 2019 Set TAP-Windows TUN subnet mode network/local/netmask = 192.168.164.0/255.255.255.0
Sun Jan 27 14:10:41 2019 Notified TAP-Windows driver to set a DHCP IP/netmask of 192.168.164.2/255.255.255.0
Sun Jan 27 14:10:41 2019 Successful ARP Flush on interface [4] {2CE0ABB0-03D8-4CF7-8D3B-80FAA323}
Sun Jan 27 14:10:41 2019 do_ifconfig, tt->did_ifconfig_ipv6_setup=1
Sun Jan 27 14:10:43 2019 IPv6 dns servers set using service
Sun Jan 27 14:10:43 2019 add_route_ipv6(2607f930:1200:acff::/64 -> 2607f930:1200:acff::1000 metric 0) dev Ethernet
Sun Jan 27 14:10:43 2019 Blocking outside dns using service succeeded.
Sun Jan 27 14:10:48 2019 add_route_ipv6(2607f930:1200:acff::/3 -> 2607f930:1200:acff::1 metric -1) dev Ethernet
Sun Jan 27 14:10:48 2019 add_route_ipv6(2000::/4 -> 2607f930:1200:acff::1 metric -1) dev Ethernet
Sun Jan 27 14:10:48 2019 add_route_ipv6(3000::/4 -> 2607f930:1200:acff::1 metric -1) dev Ethernet
Sun Jan 27 14:10:48 2019 add_route_ipv6(fc00::/7 -> 2607f930:1200:acff::1 metric -1) dev Ethernet
Sun Jan 27 14:10:48 2019 WARNING: this configuration may cache passwords in memory -- use the auth-nocache option to prevent this
Sun Jan 27 14:10:48 2019 Initialization Sequence Completed
Sun Jan 27 14:10:48 2019 Register_dns request sent to the service

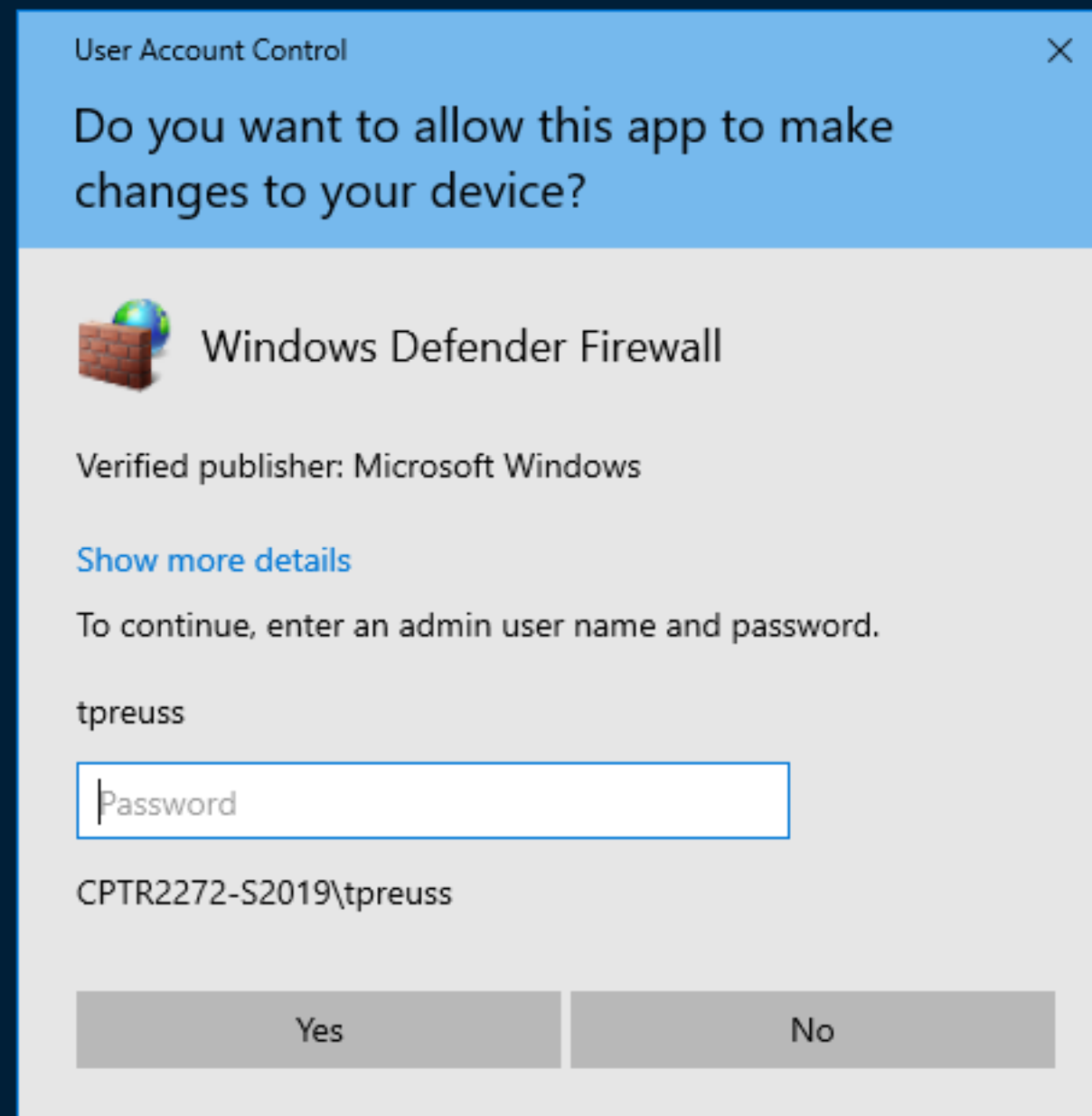
```

Assigned IP: 192.168.164.2, 2607f930:1200:acff::1000
 Bytes in: 6666 (6.5 KiB) out: 13647 (13.3 KiB)

OpenVPN GUI 11.10.0.0/2.4.6

Disconnect Reconnect Hide

This screen shows the VPN setup.



The presentation provides the administrator password to open the requested firewall port.



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OpenVPN
GUI

This message may appear in a variety of ways. This indicates the connection is successful.

OpenVPN GUI for Windows



egypt-UDP4-1194-student-ipv4-config is now connected.

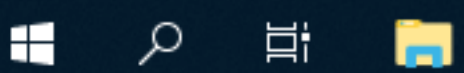
Assigned IP: 192.168.164.2,
2607:f930:1200:acff::1000

2:10 PM

Collapse

Clear all notifications

Tablet mode	All settings	Location	Focus assist
VPN	Project	Connect	Network
Night light	Screen snip		



2:11 PM
1/27/2019