

Sun City Computer Club

Windows SIG

November 12 2019

**Questions, Comments, Suggestions welcomed at
any time**

Even Now

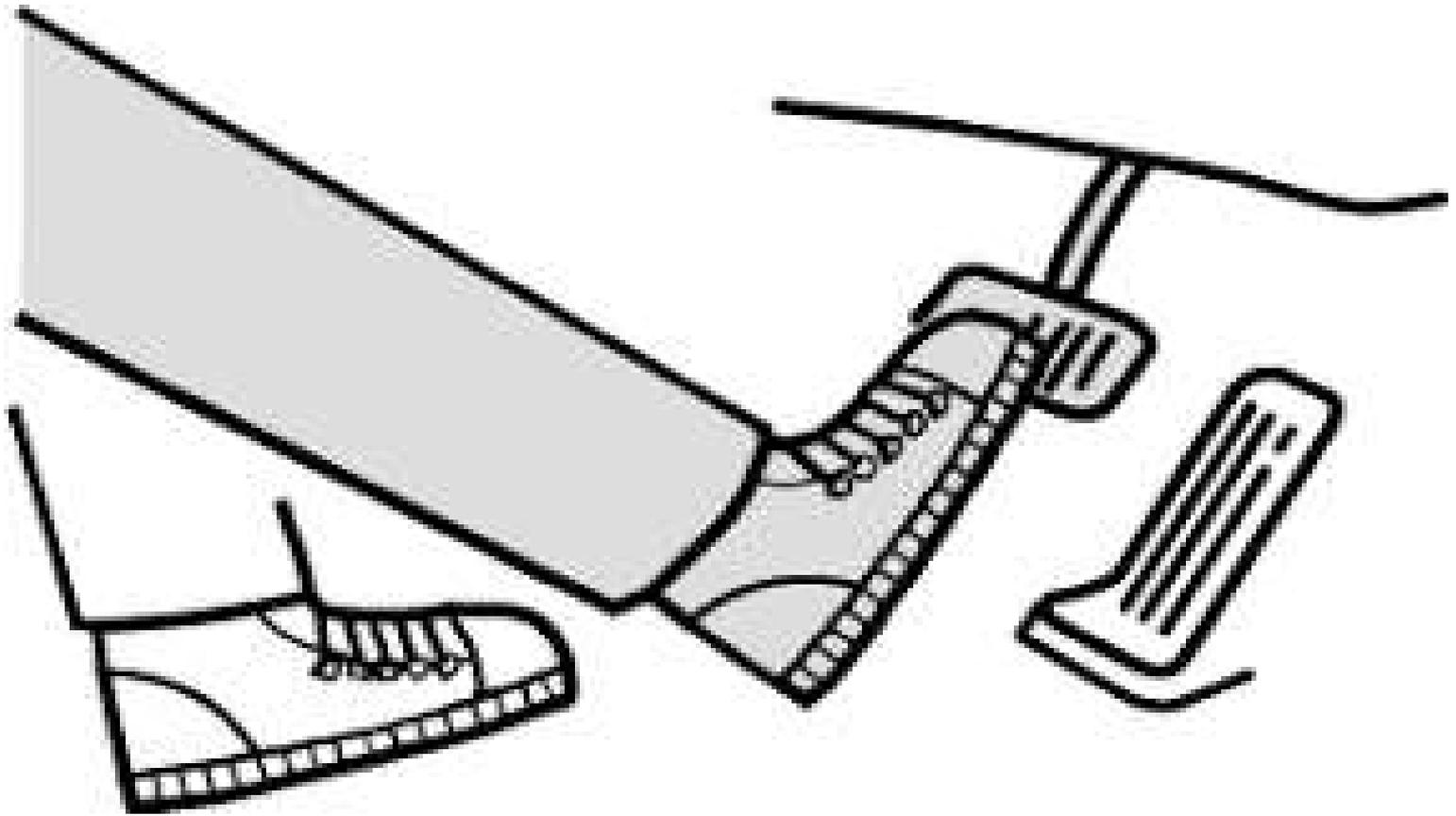
- Audio Recording of this session
- Audio Recording in Progress
- SIG attendees are required to be members of the chartered club sponsoring that SIG.
- Sun City Community Association By-law

- Your input is desired, needed, requested,
- 2020 meeting schedule – Annex
- SIG leader?
- Last Retreat scheduled Windows SIG meeting

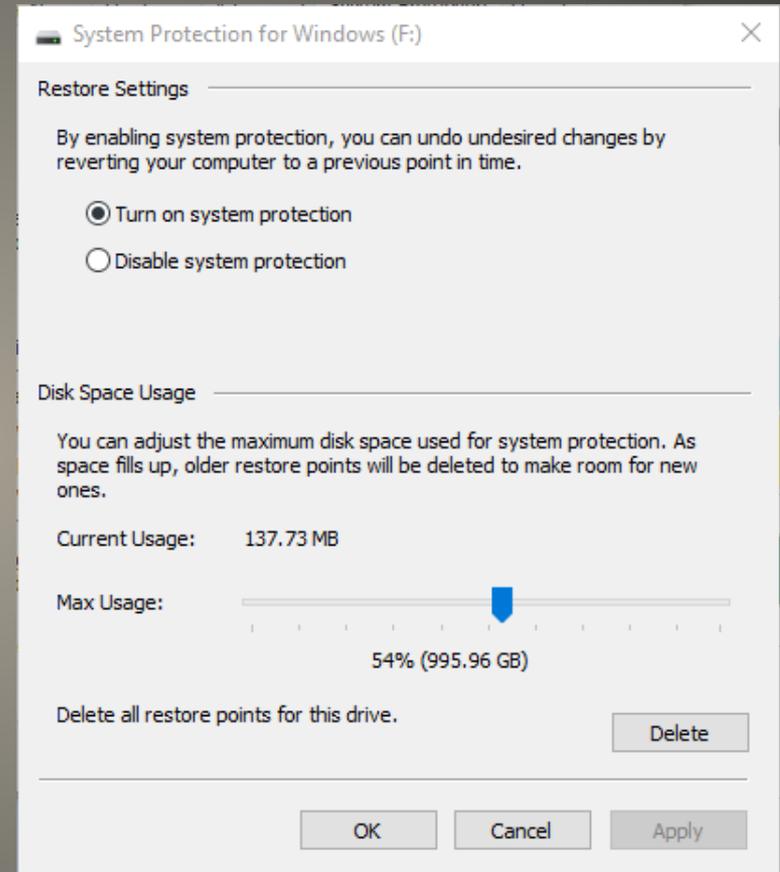
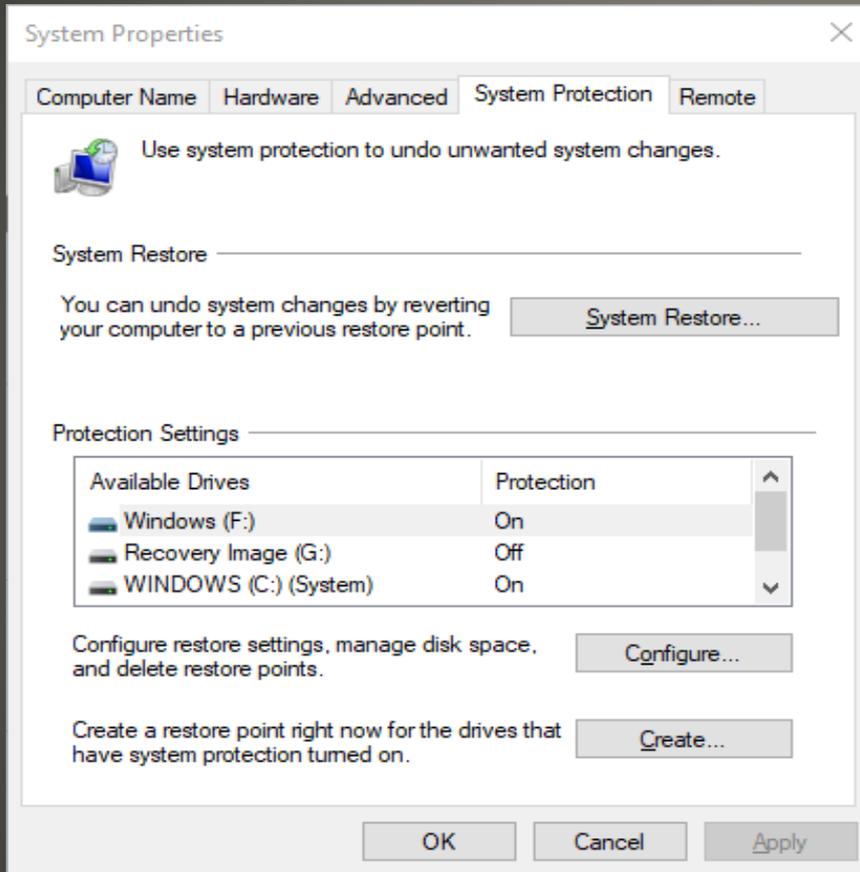
Windows SIG news

- January 2020 Windows 7 Pro support
- Windows vs MacOS 32bit apps
- Windows 10 November 2019 *Update*
- 19H2 1909
- Twice yearly

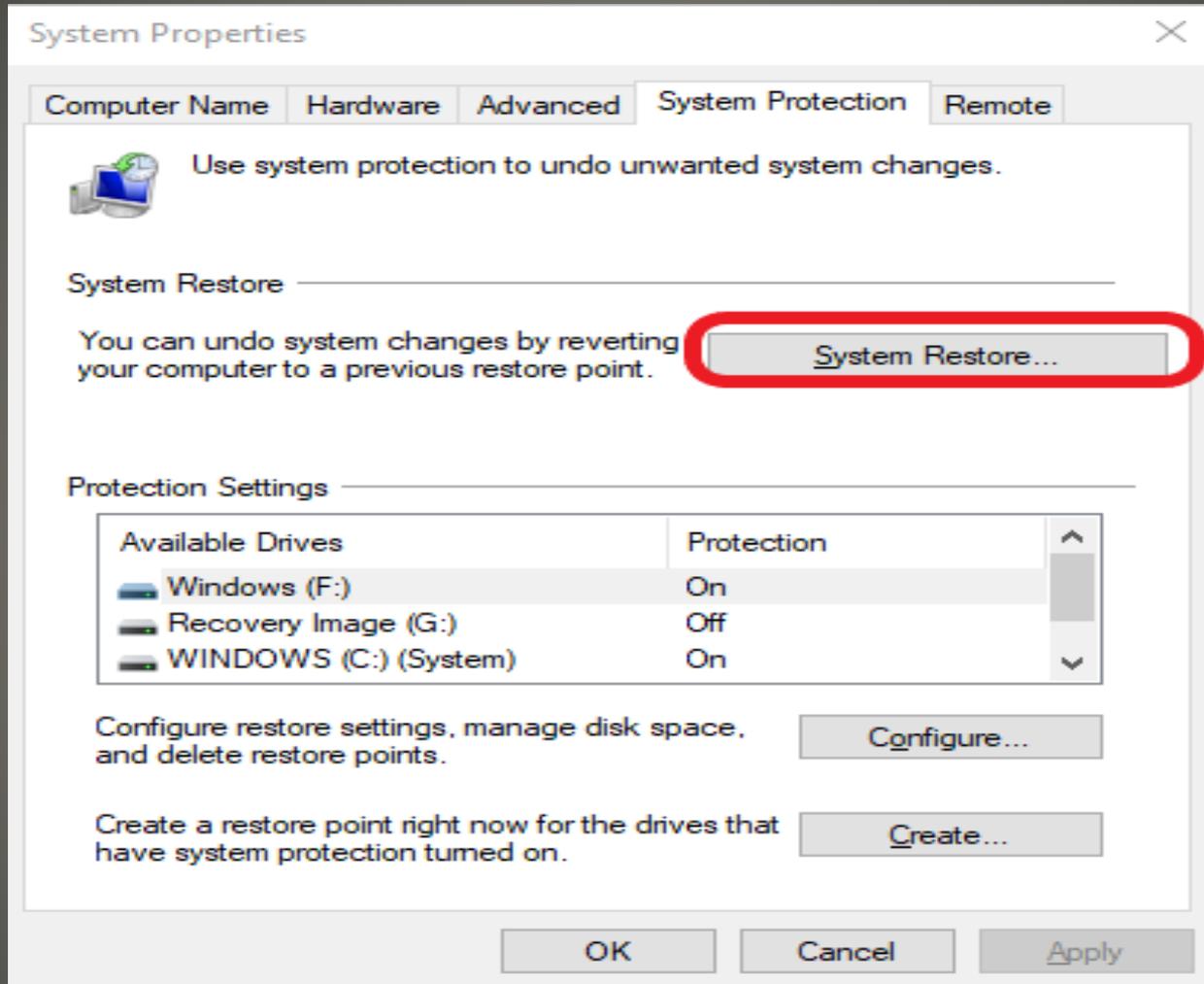
Windows News



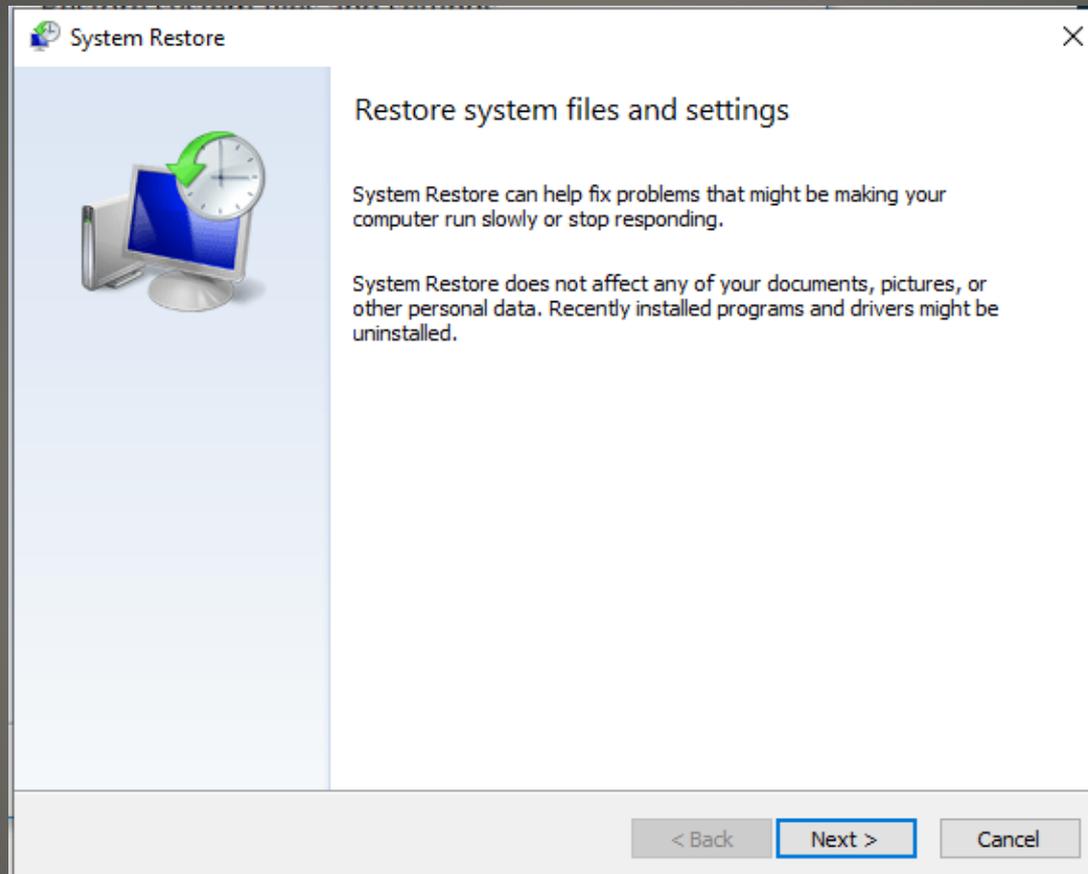
• Restore Point enable & tune



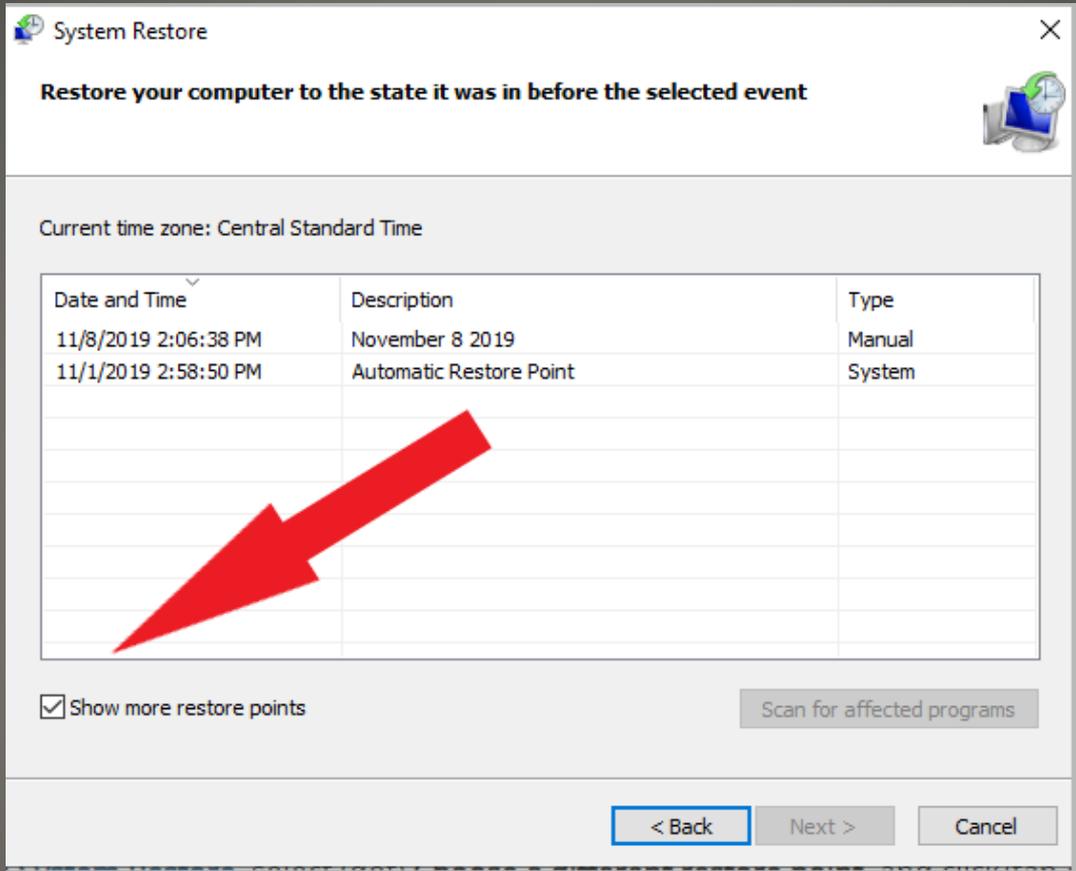
Windows settings revisit



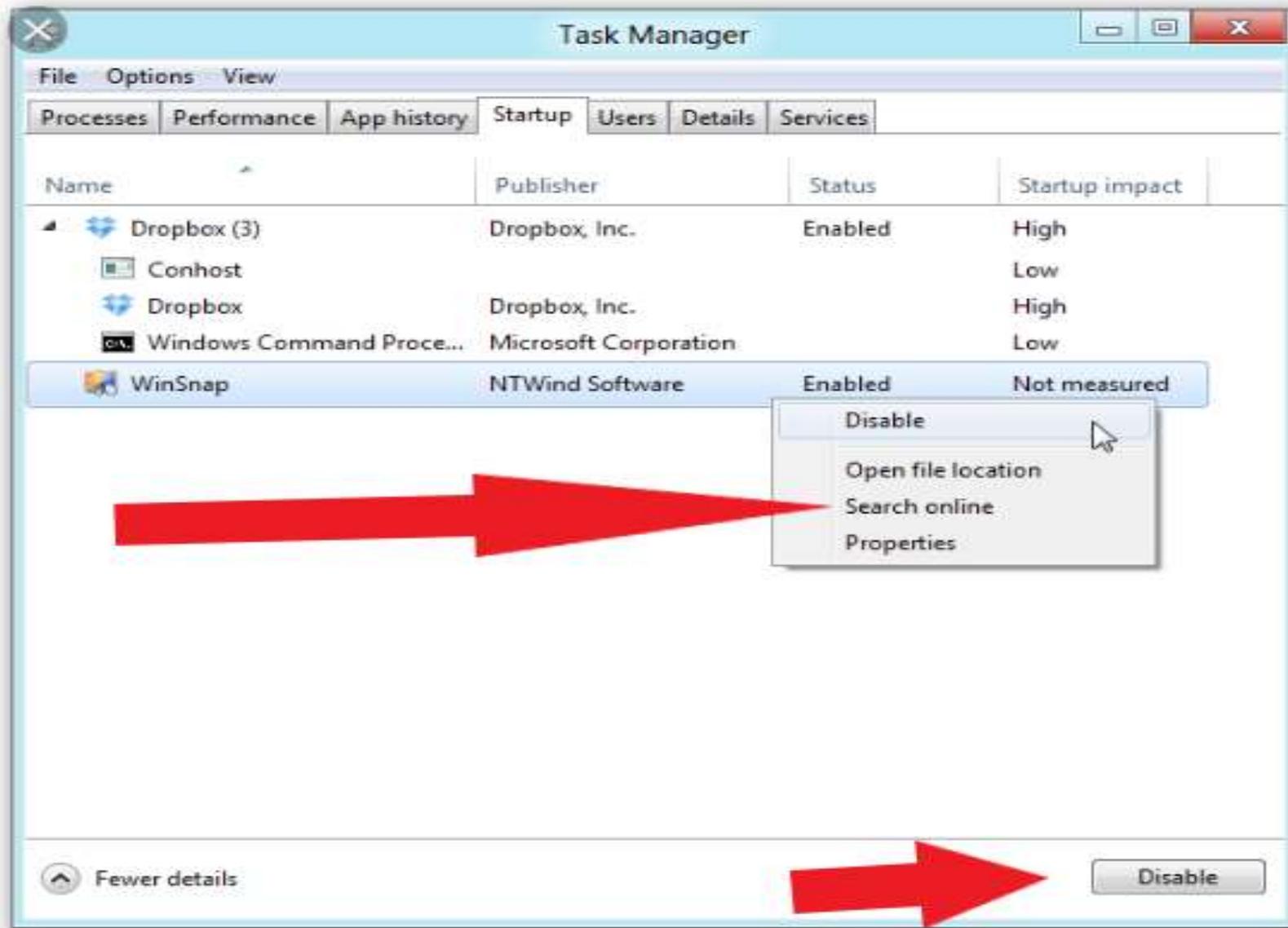
List Restore Points



Restore Points



Restore Points



INDIVIDUAL RESULTS

Export Results

DATE / TIME ▾	🔄 PING ms	⬇️ DOWNLOAD Mbps	⬆️ UPLOAD Mbps	DISTANCE mi	LOCATION / SERVER	PROVIDER	
 11/8/2019 5:01 PM	10	190.31	40.66	< 50	Georgetown, TX Suddenlink Communications LLC	Suddenlink	   



Your Internet speed is

300 Mbps 

Latency

Unloaded

10 ms

Loaded

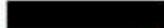
325 ms

Upload

Speed

42 Mbps

Client Georgetown, US



Suddenlink

Server(s) Open Connect, Netflix

 Settings

340MB 

60MB 



Your Internet speed is

300 Mbps



Parallel connections

Min: Max:

Test duration (seconds)

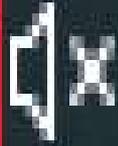
Min: Max:

- Measure loaded latency during upload
- Always show all metrics
- Save config for this device

Reset

Save

Cancel



5:16 PM

11/8/2019



Settings

Home

Find a setting

Network & Internet

Status

Wi-Fi

Ethernet

Dial-up

VPN

Airplane mode

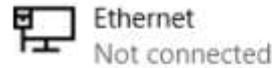
Mobile hotspot

Data usage

Proxy

Ethernet

 Connected

 Ethernet
Not connected

 Network 2
Connected

Related settings

[Change adapter options](#)

[Change advanced sharing options](#)

[Network and Sharing Center](#)

[Windows Firewall](#)

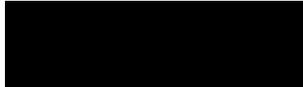
Have a question?

[Diagnose network connection issues](#)

[Get help](#)



Settings



Network profile

Public

Your PC is hidden from other devices on the network and can't be used for printer and file sharing.

Private

For a network you trust, such as at home or work. Your PC is discoverable and can be used for printer and file sharing if you set it up.

[Configure firewall and security settings](#)

IP settings

IP assignment: Automatic (DHCP)

Edit

Properties

Link-local IPv6 address: fe80::1d83:9b95:3a59:311e%11
IPv4 address: 192.168.1.115
IPv4 DNS servers: 192.168.1.1
Manufacturer: Realtek
Description: TP-Link Gigabit PCI Express Adapter
Driver version: 9.1.409.2015
Physical address (MAC): 34-E8-94-D7-C3-FB

Copy

IP settings

IP assignment: Automatic (DHCP)

Edit

Properties

Link-local IPv6 address: fe80::f872:c56e:f28c:63c6%16
IPv4 address: 172.16.42.152
IPv4 DNS servers: 172.16.42.1
Primary DNS suffix: lan
Manufacturer: Realtek
Description: Realtek USB FE Family Controller
Driver version: 10.5.920.2015
Physical address (MAC): 00-13-37-A6-82-06

Copy

Settings

Home

Find a setting

Network & Internet

- Status
- Wi-Fi
- Ethernet
- Dial-up
- VPN
- Airplane mode
- Mobile hotspot
- Data usage
- Proxy

Ethernet

- ppoli
Connected
- Ethernet
Not connected
- Network 2
Connected

Related settings

[Change adapter options](#)

[Change advanced sharing options](#)

[Network and Sharing Center](#)

[Windows Firewall](#)

Have a question?

[Diagnose network connection issues](#)

[Get help](#)

Control Panel\Network and Internet\Network Connections

Control Panel > Network and Internet > Network Connections

Organize ▾

<input type="checkbox"/> Name	Status	Device Name	Connectivity	Network Category	Owner	Type
 Ethernet	Network cable unplugged	Realtek PCIe GBE Family Contro...			System	LAN or High-Speed Internet
 Ethernet 2	Network 2	Realtek USB FE Family Controller	Internet access	Public network	System	LAN or High-Speed Internet
 Ethernet 4	Network cable unplugged	TAP-NordVPN Windows Adapte...			System	LAN or High-Speed Internet
 Ethernet 5	Network cable unplugged	TAP-ProtonVPN Windows Adap...			System	LAN or High-Speed Internet
 Ethernet 6	ppoli	TP-Link Gigabit PCI Express Ada...	Internet access	Public network	System	LAN or High-Speed Internet
 VirtualBox Host-Only Network #2	Enabled	VirtualBox Host-Only Ethernet ...			System	LAN or High-Speed Internet
 Wi-Fi	Not connected	Realtek RTL8822BE 802.11ac PCI...			System	LAN or High-Speed Internet

- Organize ▾
- Disable this network device
- Diagnose this connection
- Rename this connection
- View status of this connection**
- Change settings of this connection

<input type="checkbox"/>	Name	Status	Device Name	Connectivity	Network Category	Owner	Type
<input type="checkbox"/>	Ethernet	Network cable unplugged	Realtek PCIe GBE Family Contro...			System	LAN or High-Speed Internet
<input type="checkbox"/>	Ethernet 2	Network 2	Realtek USB FE Family Controller	Internet access	Public network	System	LAN or High-Speed Internet
<input type="checkbox"/>	Ethernet 4	Network cable unplugged	TAP-NordVPN Windows Adapt...			System	LAN or High-Speed Internet
<input type="checkbox"/>	Ethernet 5	Network cable unplugged	TAP-ProtonVPN Windows Adap...			System	LAN or High-Speed Internet
<input checked="" type="checkbox"/>	Ethernet 6	ppp0	TP-Link Gigabit PCI Express Ada...	Internet access	Public network	System	LAN or High-Speed Internet
<input type="checkbox"/>	VirtualBox Host-Only Network #2	Enabled	VirtualBox Host-Only Ethernet...			System	LAN or High-Speed Internet
<input type="checkbox"/>	Wi-Fi	Not connected	Realtek RTL8822BE 802.11ac PCI...			System	LAN or High-Speed Internet



Ethernet 6 Status



General

Connection

IPv4 Connectivity:	Internet
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	4 days 20:26:55
Speed:	1.0 Gbps

[Details...](#)

Activity

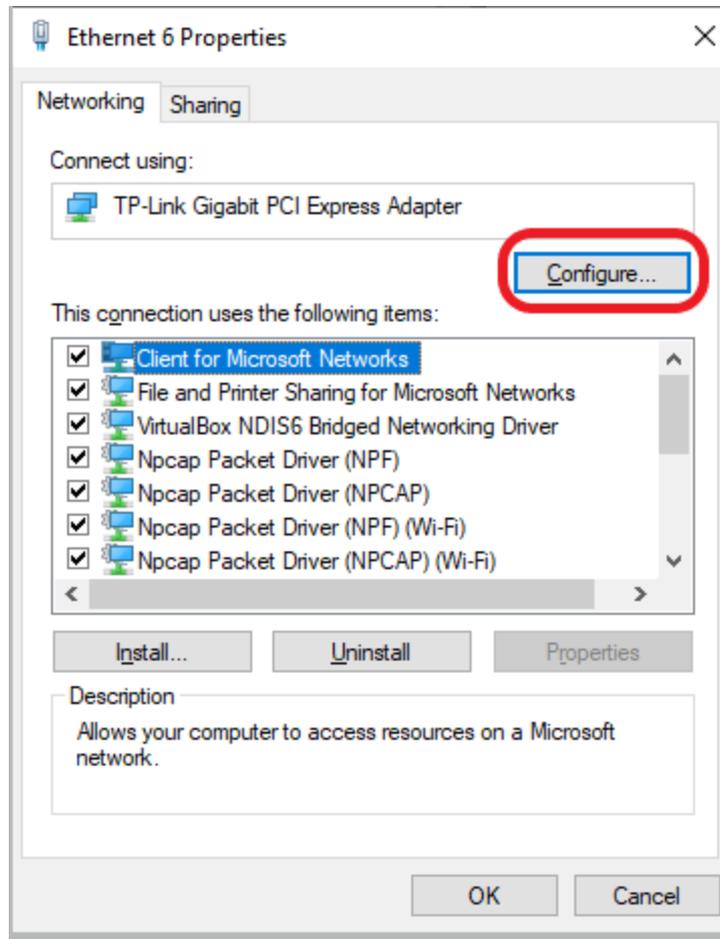
	Sent		Received
Bytes:	1,526,485,266		19,123,019,680

 Properties

 Disable

Diagnose

Close



TP-Link Gigabit PCI Express Adapter Properties



General

Advanced

Driver

Details

Events

Power Management

The following properties are available for this network adapter. Click the property you want to change on the left, and then select its value on the right.

Property:

- ARP Offload
- Flow Control
- Interrupt Moderation
- IPv4 Checksum Offload
- Jumbo Frame
- Large Send Offload v2 (IPv4)
- Large Send Offload v2 (IPv6)
- Network Address
- NS Offload
- Priority & VLAN
- Receive Buffers
- Speed & Duplex
- TCP Checksum Offload (IPv4)
- TCP Checksum Offload (IPv6)

Value:

Enabled

OK

Cancel

TP-Link Gigabit PCI Express Adapter Properties



General

Advanced

Driver

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Events

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- Network Address
- NS Offload
- Priority & VLAN
- Receive Buffers
- Speed & Duplex**
- TCP Checksum Offload (IPv4)
- TCP Checksum Offload (IPv6)

Value:

1.0 Gbps Full Duplex

OK

Cancel

TP-Link Gigabit PCI Express Adapter Properties



General

Advanced

Driver

Details

Events

Power Management

The following properties are available for this network adapter. Click the property you want to change on the left, and then select its value on the right.

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- Network Address
- NS Offload
- Priority & VLAN
- Receive Buffers
- Speed & Duplex**
- TCP Checksum Offload (IPv4)
- TCP Checksum Offload (IPv6)

Value:

- 1.0 Gbps Full Duplex
- 1.0 Gbps Full Duplex**
- 10 Mbps Full Duplex
- 10 Mbps Half Duplex
- 100 Mbps Full Duplex
- 100 Mbps Half Duplex
- Auto Negotiation

OK

Cancel



- USB 1.1 = 12 Mbit/s
- Firefire 400 = 400 Mbit/s
- USB 2.0 = 480 Mbit/s
- FireWire 800 = 800 Mbit/s
- USB 3.0 = 5 Gbit/s
- USB 3.1 = 10 Gbit/s
- eSATA = Up to 6 Gbit/s (750 MB/s) right now as it depend on the internal SATA chip.
- Thunderbolt = 10 Gbit/s × 2 (2 channels)
- Thunderbolt 2 = 20 Gbit/s
- Thunderbolt 3 = 40 Gbit/s

- None of us are as experienced as all of us
- Awareness, Preparedness, Understanding
- Participate

