

Questions, Issues,
Concerns, Suggestions
Welcome at any time
Even Now

Sun City Computer Club

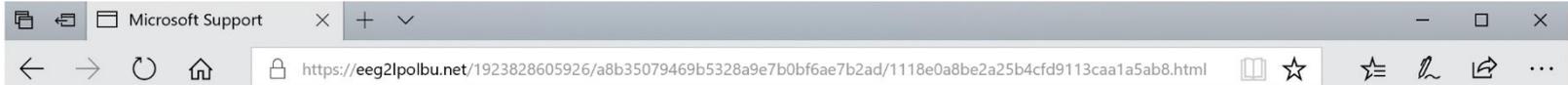
Windows SIG

February 27, 2018

- Safer not Safe
- E-postcard not e-mail
- ADMINISTRATOR
- Passphrases not passwords
- Radio not wireless

Vocabulary

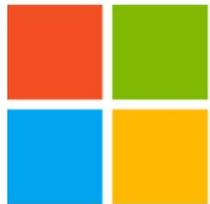




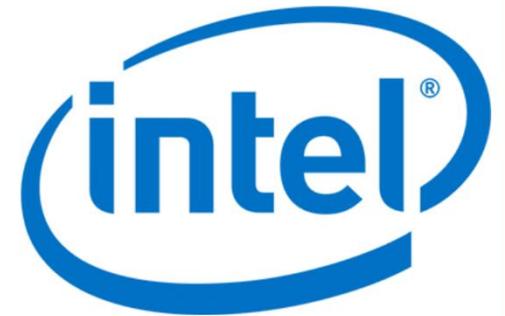
Microsoft Support

Urgent Microsoft Windows update

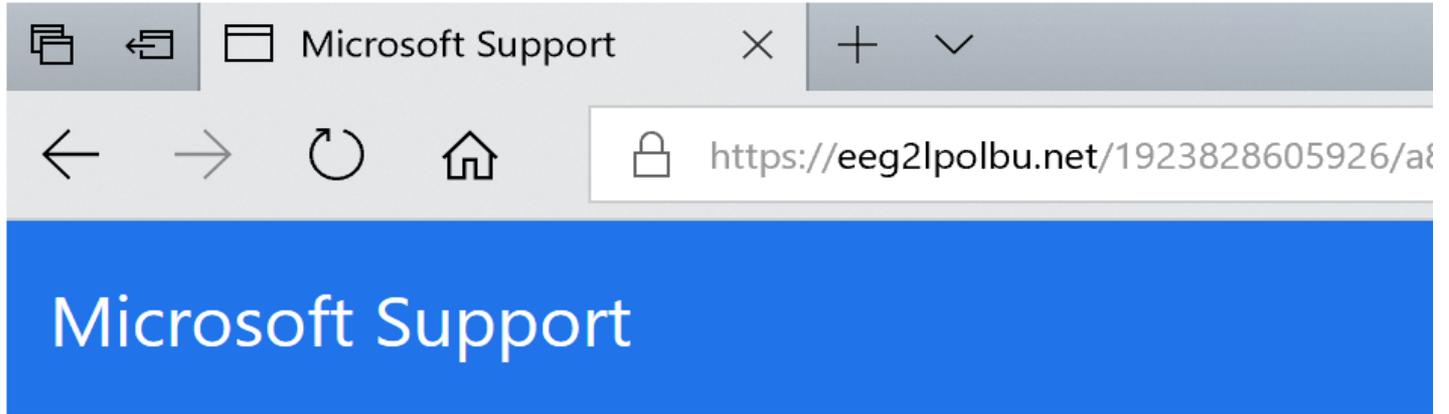
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Microsoft

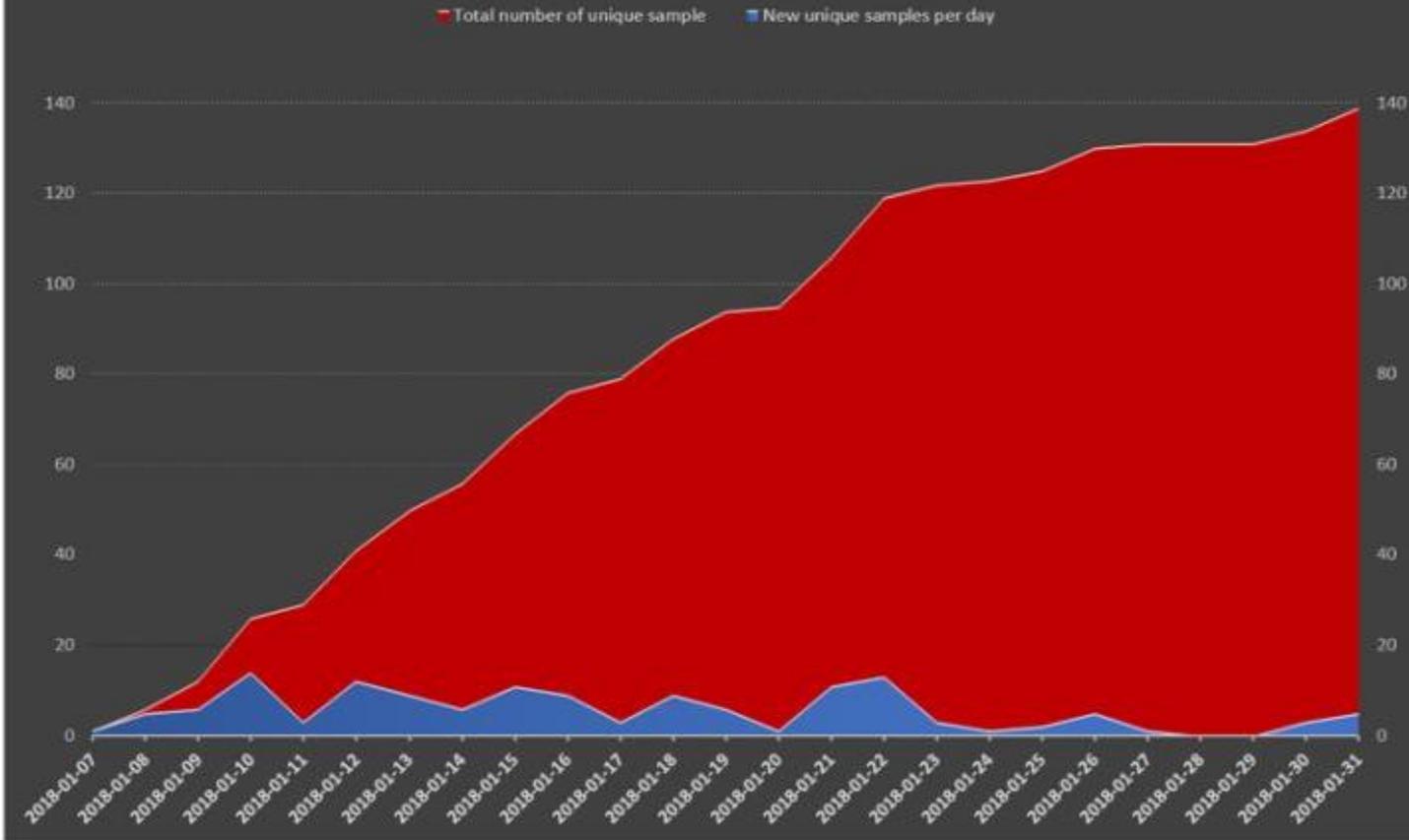


Microsoft 2018



Urgent M

Number of Spectre/Meltdown-related Samples in AV-TEST's Database



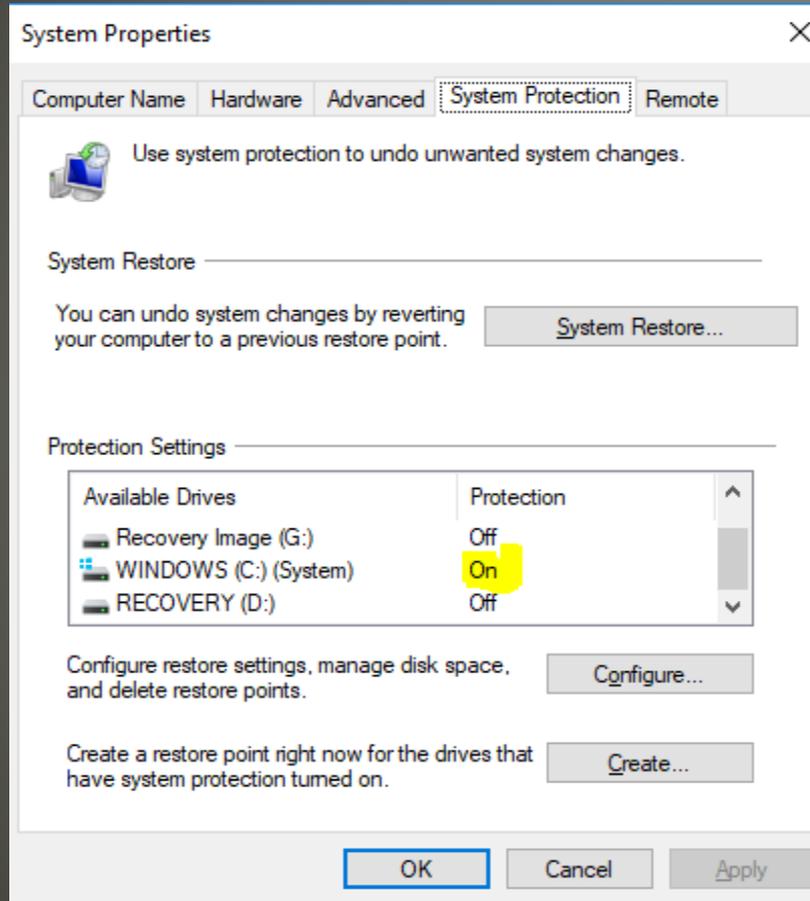
- 15 Windows patches instances January
Not 15 patches 15 Patch instances
Patches to patches, revoke patches,
Windows 7 SP1 patch,
- My experience
Cheap monitors (60 Hz refresh)
Surface detachable keyboard
USB internal HUB
Measurable performance decrease
- Your experience?

Current Topics

- Restore point
- Security suite(s)
- Machine BIOS, firmware, microcode
- Browser updates
 - Strict Site Isolation
- Edge getting pushy?
 - Settings>Personalization>Lock Screen
- Skype

Windows Associated

- Got protection?



Restore point

- <http://sctxwindows.com/>



Notes from previous sessions

- Name resolution

Own name, Hosts file, NetBIOS, DNS

C:**Windows**\System32\drivers\etc**hosts file**

- Domain Name System

Distributed, hierarchical, caching database

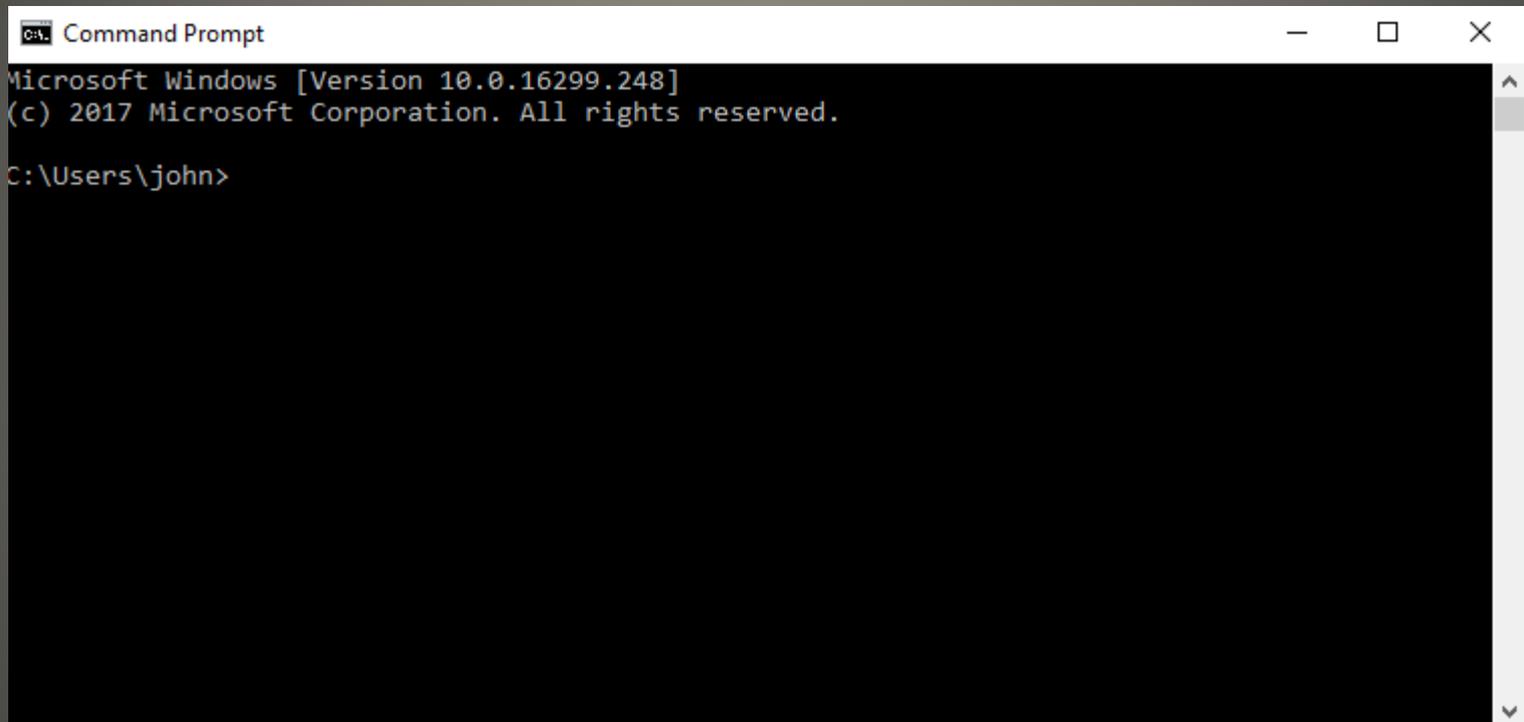
No authentication

- BGP

routing, No authentication

Journey to the Web site

- CMD in Windows Search Box

A screenshot of a Windows Command Prompt window. The title bar reads "Command Prompt" and includes standard window controls (minimize, maximize, close). The main content area is black with white text. It displays the Windows version information: "Microsoft Windows [Version 10.0.16299.248]" and "(c) 2017 Microsoft Corporation. All rights reserved." Below this, the current directory is shown as "C:\Users\john>".

```
CA: Command Prompt
Microsoft Windows [Version 10.0.16299.248]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\john>
```

Command Prompt Window (Windows)

nslookup

- C:\Users\john>nslookup
161.170.244.20
- Server: Nonya
- Address: 192.168.1.1

- Name: www-origin.walmart.com
- Address: 161.170.244.20

hosts file

```
# Copyright (c) 1993-2009 Microsoft Corp.  
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.  
# This file contains the mappings of IP addresses to host names. Each  
# entry should be kept on an individual line. The IP address should  
# be placed in the first column followed by the corresponding host name  
161.170.244.20   Walmart.com
```

```
C:\Users\john>nslookup walmart.com  
Server: Nonya  
Address: 192.168.1.1
```

```
Non-authoritative answer:  
Name:   walmart.com  
Addresses: 161.170.248.20  
          161.170.244.20  
127.0.0.1   playboy.com
```

Command Prompt

```
C:\Users\john>nslookup nyt.com
```

```
Server:  ppoli
```

```
Address: 192.168.1.1
```

```
Non-authoritative answer:
```

```
Name:    nyt.com
```

```
Addresses: 151.101.193.164
```

```
           151.101.129.164
```

```
           151.101.65.164
```

```
           151.101.1.164
```

```
C:\Users\john>netstat -an | find ":443" | find "151.101."
```

```
TCP    192.168.1.170:63949    151.101.1.164:443    ESTABLISHED
```

```
TCP    192.168.1.170:63951    151.101.5.164:443    ESTABLISHED
```

```
TCP    192.168.1.170:63994    151.101.5.7:443     ESTABLISHED
```

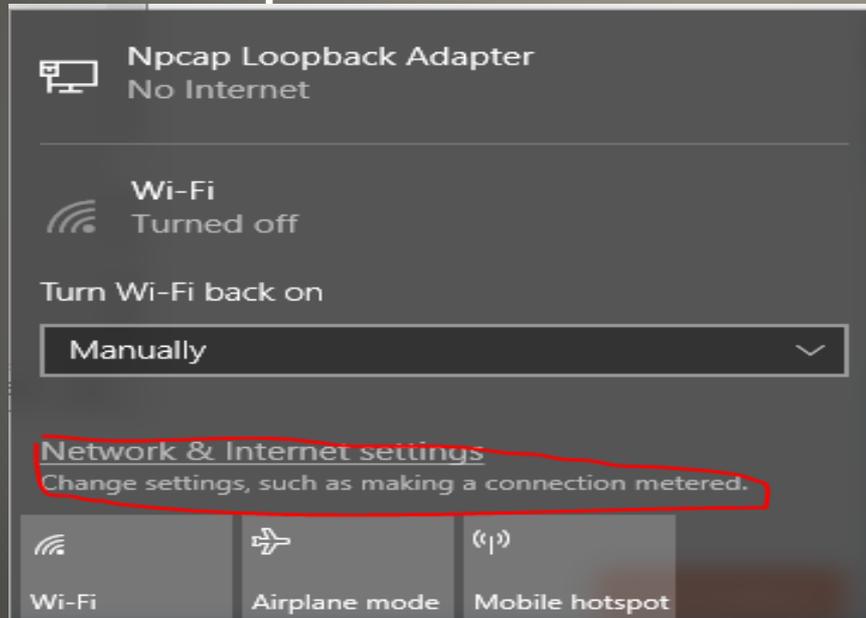
```
C:\Users\john>
```

Check an Open WEB site

DNS Dynamic Name Service

- Easily fooled
- Cache poisoning
- Uses DNS server specified by client
- Domain squatting
- Akamai

- Global Cyber Alliance
Better Performance
Less tracking
Some protections



Quad 9s

Settings

Home

Find a setting

Network & Internet

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

Ethernet

Ethernet

- Network Connected
- Npcap Loopback Adapter No Internet

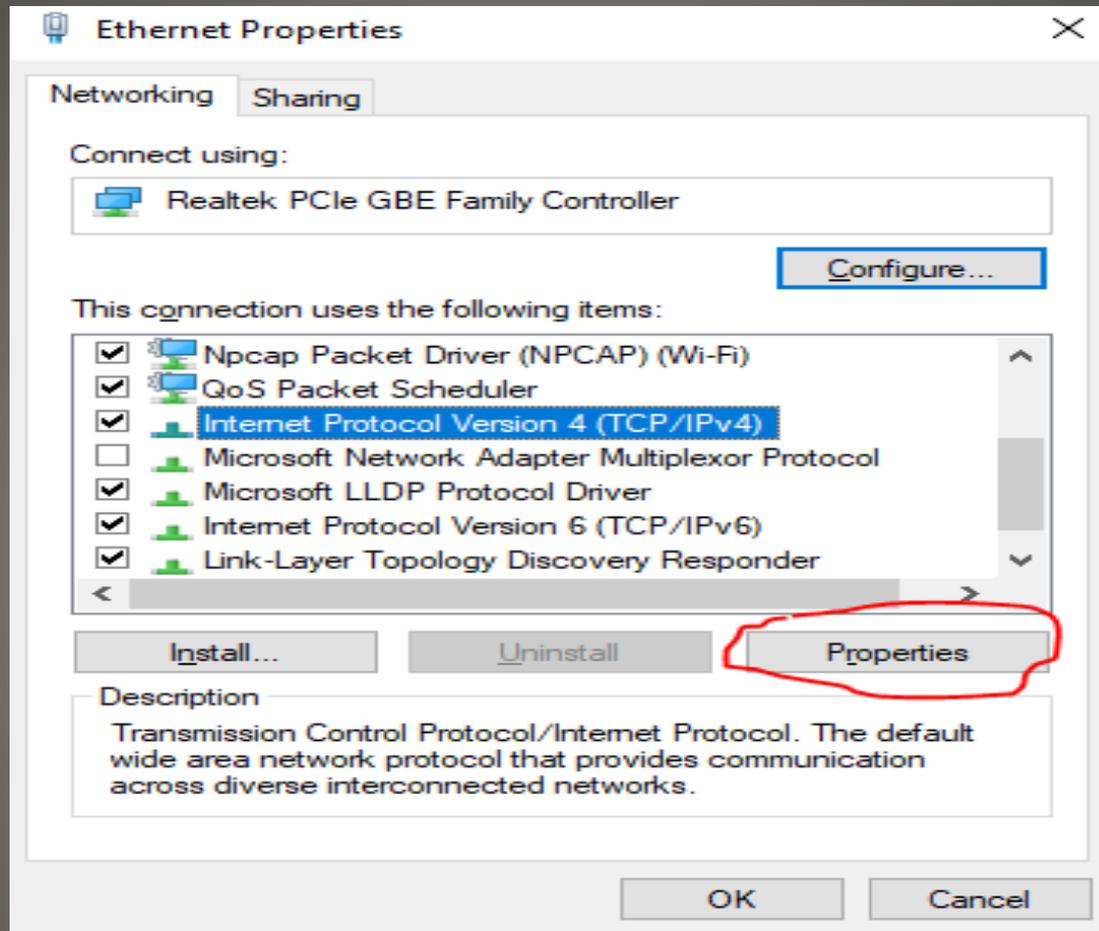
Related settings

- [Change adapter options](#)
- [Change advanced sharing options](#)
- [Network and Sharing Center](#)
- [HomeGroup](#)
- [Windows Firewall](#)

Have a question?

[Get help](#)

Ethernet or WiFi



Adapter settings IPv4 Properties

Internet Protocol Version 4 (TCP/IPv4) Properties

General **Alternate Configuration**

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: . .

Subnet mask: . .

Default gateway: . .

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server: . .

Alternate DNS server: . .

Validate settings upon exit

Advanced...

OK

Cancel

Advanced TCP/IP Settings

IP Settings **DNS** WINS

DNS server addresses, in order of use:

Add...

Edit...

Remove

The following three settings are applied to all connections with TCP/IP enabled. For resolution of unqualified names:

Append primary and connection specific DNS suffixes

Append parent suffixes of the primary DNS suffix

Append these DNS suffixes (in order):

Add...

Edit...

Remove

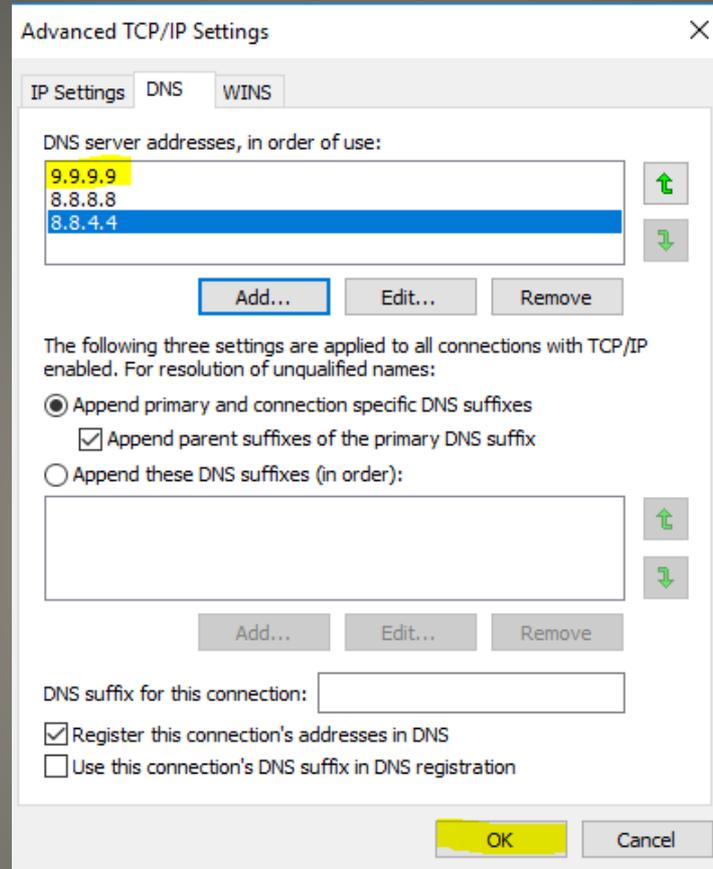
DNS suffix for this connection:

Register this connection's addresses in DNS

Use this connection's DNS suffix in DNS registration

OK

Cancel



Reboot/restart for full effect

• Questions, suggestions, comments?

- Chicken Little
- Tortoise and hare
- Each of us safer, all of us safer

- Vlan separation Guest access WEB
- Firewall UPnP
- Bandwidth
- Data Cap
- Proprietary
- Voice commands
- Heat Power
- Firmware
- Updates
- Update Security

Cutting the Cord