

# Sun City Computer Club

Windows SIG

May 22, 2018

At the Windows SIG meeting today some users reported homegroup function had quit working after the Spring 2018 update to Windows 10.

I have verified this was Microsoft's intent.

This due to the ability to share printers and devices AND the prevalence of the cloud for file sharing.


Some workarounds exist, but those may not work for long.

**Breaking News**

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

**Vocabulary**

- OpenSSH
- Current version LibreSSL 2.7.3

 john@localhost:~

```
C:\Users\john>ssh -V
OpenSSH_for_Windows_7.6p1, LibreSSL 2.6.4
```

```
C:\Users\john>ssh
usage: ssh [-46AaCfGgKkMMNnqsTtVvXxYy] [-b bind_address] [-c cipher_spec]
          [-D [bind_address:]port] [-E log_file] [-e escape_char]
          [-F configfile] [-I pkcs11] [-i identity_file]
          [-J [user@]host[:port]] [-L address] [-l login_name] [-m mac_spec]
          [-O ctl_cmd] [-o option] [-p port] [-Q query_option] [-R address]
          [-S ctl_path] [-W host:port] [-w local_tun[:remote_tun]]
          destination [command]
```

```
C:\Users\john>ssh 192.168.1.140
john@192.168.1.140's password:
Last login: Fri May 18 13:28:08 2018 from desktop-vqqrr2k
[john@localhost ~]$ uname -a
Linux localhost.localdomain 3.10.0-693.21.1.el7.x86_64 #1 SMP Wed Mar 7 19:03:37
[john@localhost ~]$
```

# Windows 10 April 2018 update

- Timeline Win+TAB task view button
- Nearby sharing Bluetooth
- Sound settings - audio frequency
- Local account password reset Lock screen
- Edge improvements (??)  
autofill, new APIs, PDF viewer
- Windows Defender Application Guard  
Pro and Enterprise only

**Windows 10 April 2018 update**

- An experience
- Task view extension
- Tracks stuff Organizing list
- Edge & Cortana
- Cortana can suggest tasks you should resume
- Ability to cross boundaries with same Microsoft account Cloud based
- Install apps from store if missing

## Timeline

Settings

Home

Find a setting

Privacy

Windows permissions

General

Speech, inking, & typing

Diagnostics & feedback

Activity history

App permissions

Location

Camera

Microphone

Notifications

Account info

Contacts

## Activity history

Jump back into what you were doing with apps, docs, or other activities, either on your PC or your phone.

☒ Let Windows collect my activities from this PC

☒ Let Windows sync my activities from this PC to the cloud

Review the [Learn more](#) and [Privacy statement](#) for info about activity history, what happens when you send your activity history to Microsoft, and how we respect your privacy.

### Show activities from accounts

These are your accounts on this PC. Turn them off to hide their activities from your Timeline.



@hotmail.com

☒ On

### Clear activity history

Clear history for @hotmail.com

[Manage my Microsoft Account activity data](#)

### Know your privacy options

Learn how this setting impacts your privacy.

[Learn more](#)

[Privacy dashboard](#)

[Privacy statement](#)

### Have a question?

[Get help](#)

### Make Windows better

[Give us feedback](#)

# Cortana across my devices

Get phone notifications on this PC



Off

Cortana will tell you on this PC when you miss a phone call, text, or app notification. You'll also be able to respond to texts from this PC.

This feature must also be enabled in settings in the Cortana app on your Android phone or Windows mobile device.

[Get Cortana mobile app for my phone](#)

Help me pick up where I left off on other devices



Off

When you switch devices, Cortana will help you resume your latest activities.



- Quiet Hours -> Focus assist







## Focus assist

Choose which notification you'd like to see and hear so you can stay focused. The rest will go straight to action center where you can see them any time.

- ☒ Off  
Get all notifications from your apps and contacts.
- ☐ Priority only  
See only selected notifications from the priority list. The rest will go straight to action center.  
[Customize your priority list](#)
- ☐ Alarms only  
Hide all notifications, except for alarms.

## Automatic rules

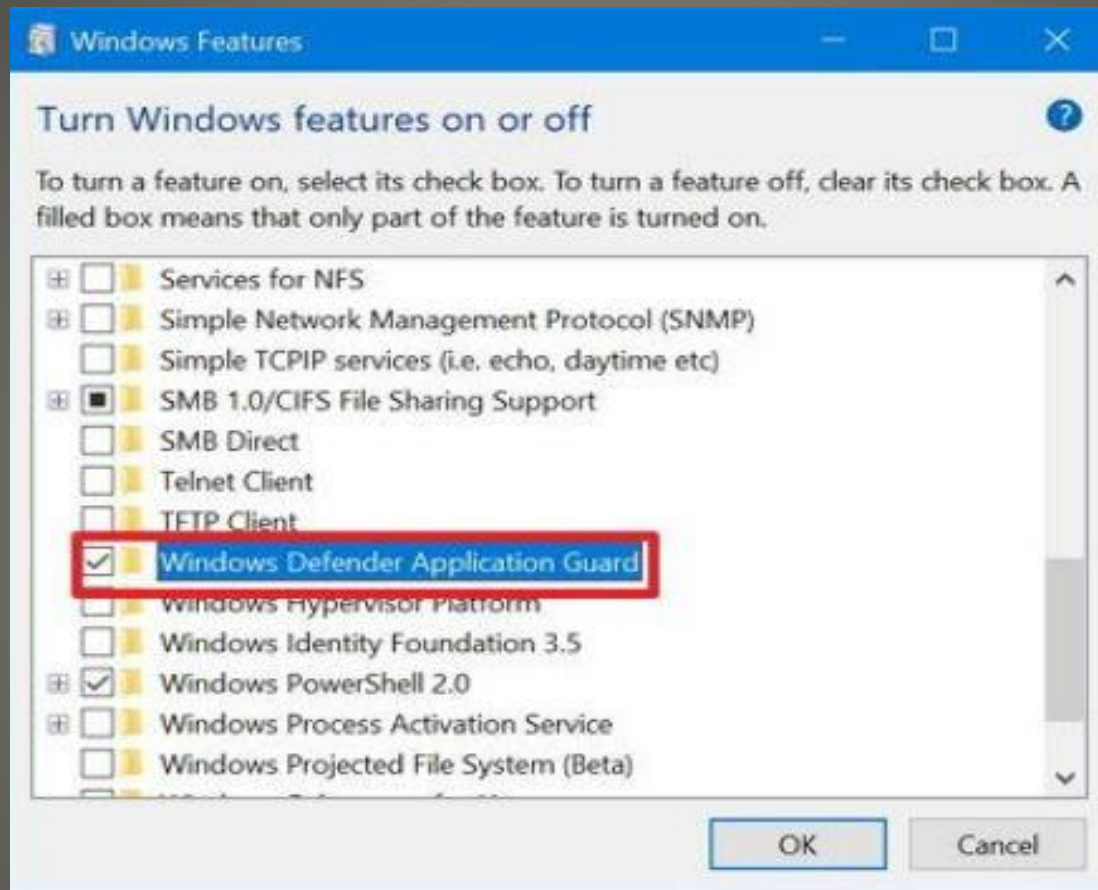
Choose the times and activities when you don't want to be disturbed, and focus assist will turn on automatically.

-  During these times  
11:00 PM - 7:00 AM; Priority only  Off
-  When I'm duplicating my display  
Alarms only  On
-  When I'm playing a game  
Priority only  On
- ☒ Show me a summary of what I missed while focus assist was on

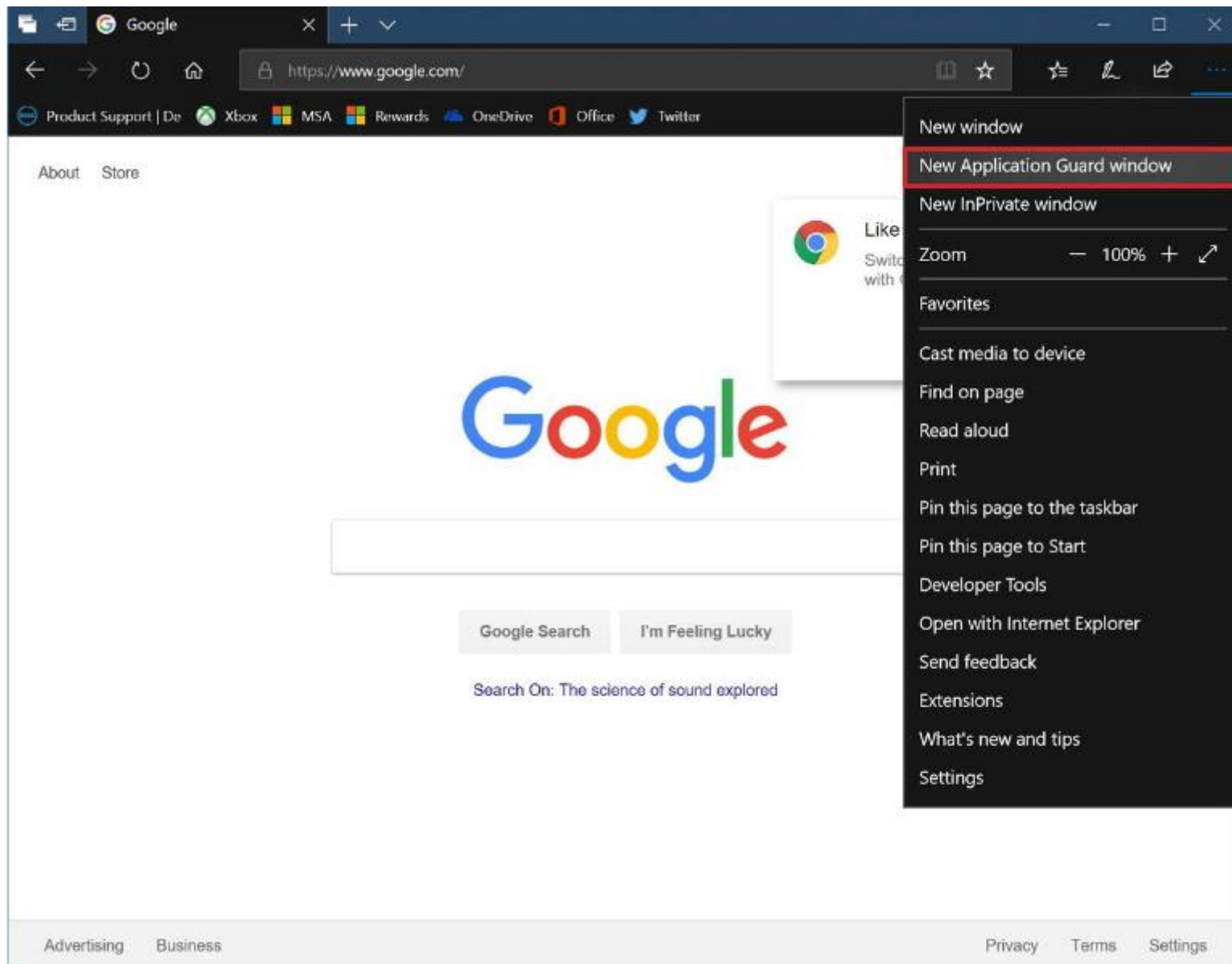
# Windows 10 April Update

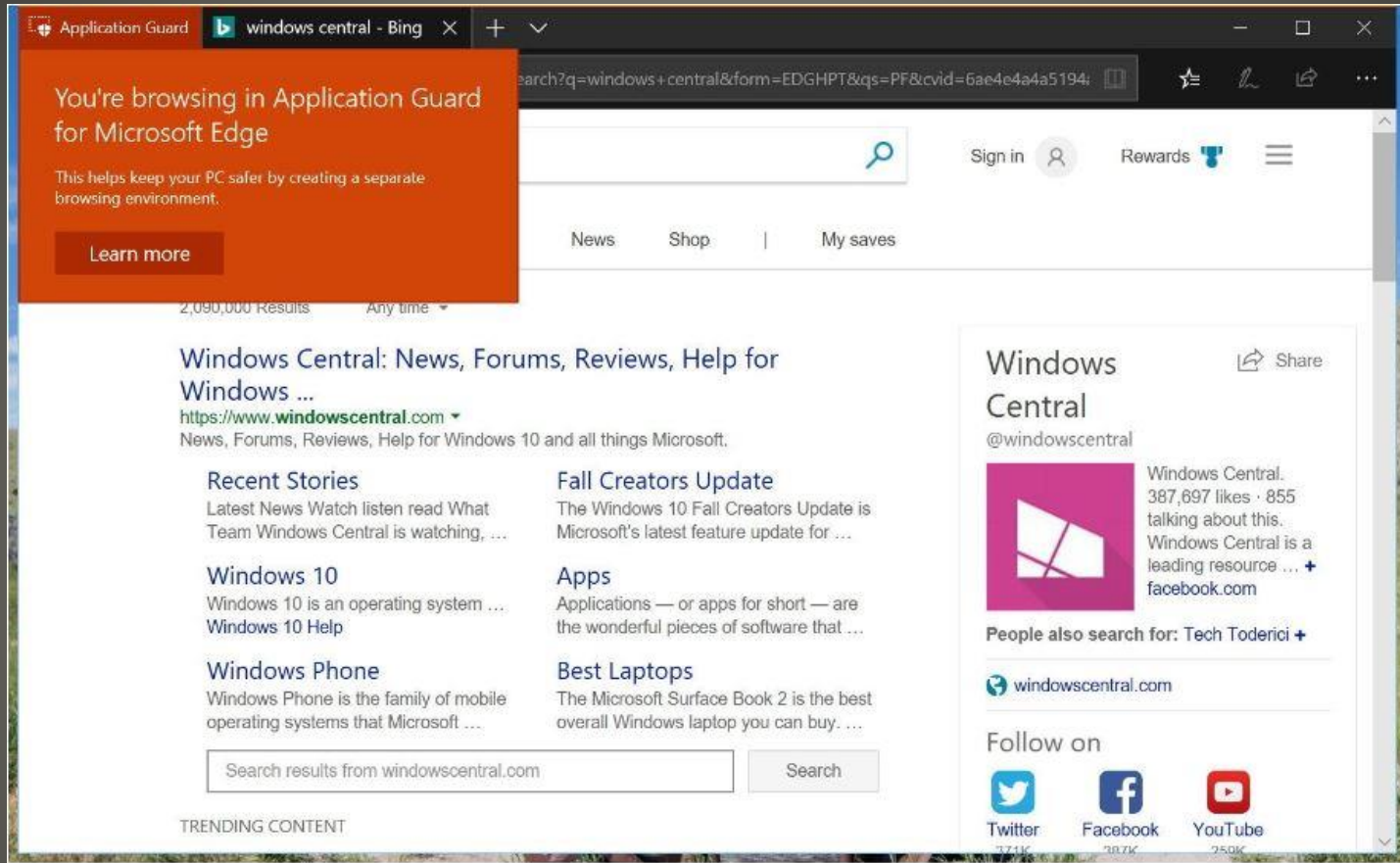
- Enterprise and Pro Editions only
- Disabled by default
- Hardware must support Hyper-V container

## **Windows Defender Application Guard**



**Enable support**





# Safer Resources

- *winver* command

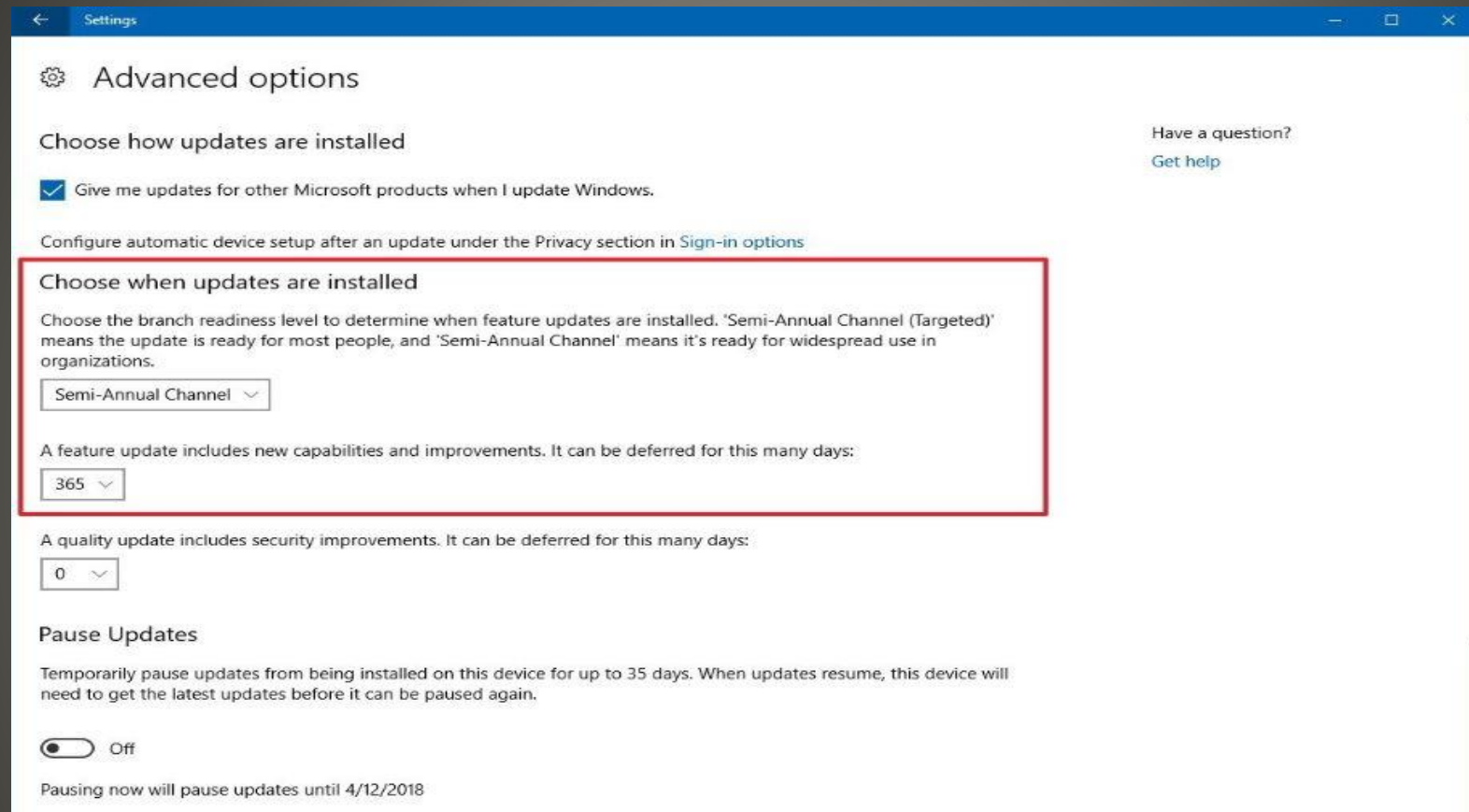


**Do I have April 2018 update?**

- Chrome, PowerPoint, other open apps
- A subsequent fix caused other problems
- Your experiences?

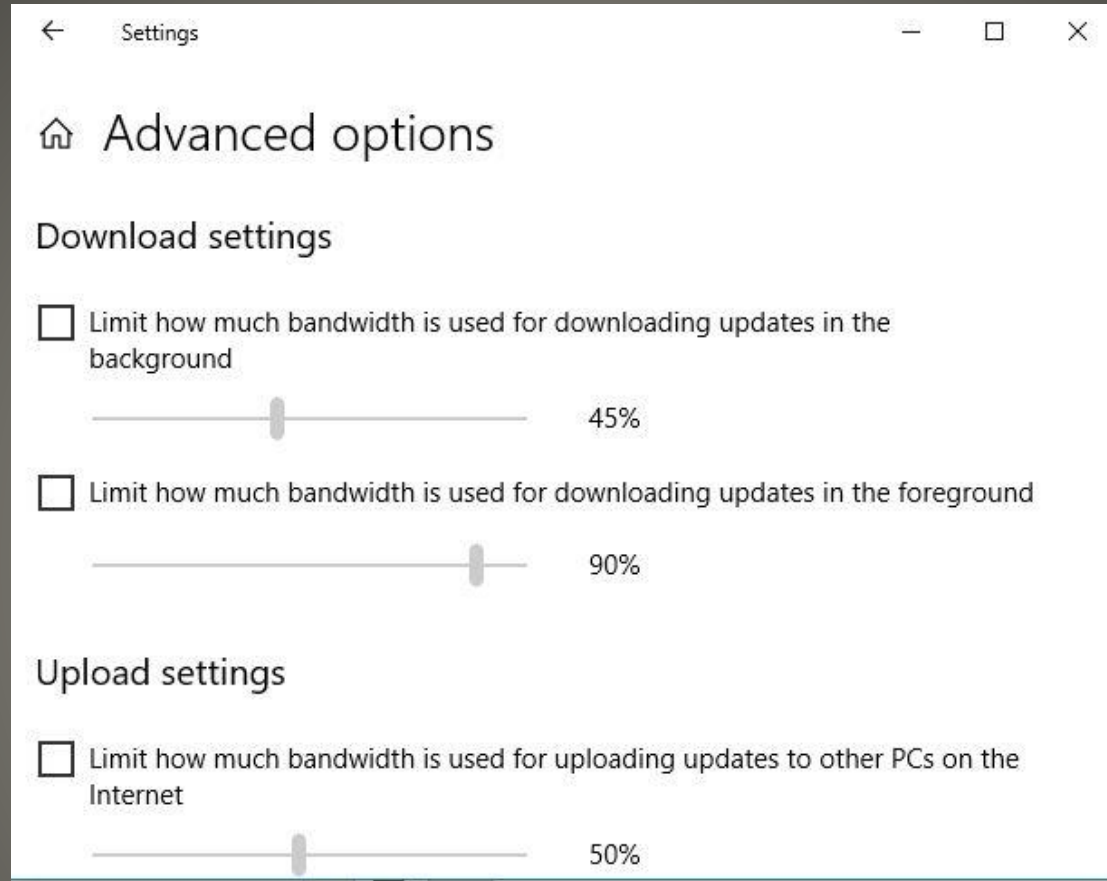
**Any issues/concerns with update?**





# Postpone/disable?





**Postpone/disable Windows Home**

## Diagnostics & feedback

### Tailored experiences

Let Microsoft offer you tailored experiences based on the diagnostic data setting you have chosen. Tailored experiences are personalized tips, ads, and recommendations that enhance Microsoft products and services for your needs.

☐ Off

### Diagnostic data viewer

If data viewing is enabled, you can see your diagnostic data. While enabled, this will take up to 1GB of hard drive space.

☒ On

[Diagnostic Data Viewer](#)

### Delete diagnostic data

Pressing delete will erase diagnostic data that has been collected by Microsoft from this device.

[Delete](#)

If you have a Microsoft Account, there may be additional diagnostic data to delete. You can manage and delete any additional data by accessing your [Microsoft Account portal](#).

If this is a company-owned device, your IT organization may have an additional copy of some of this device's diagnostic data [\[Learn more\]](#).

# Diagnostic data viewer

Diagnostic Data Viewer

Search (Ctrl+E)

Filters

View Only Basic Diagnostics

☐ Off

Browsing History

Device Connectivity and Configuration

Inking Typing and Speech Utterance

Product and Service Performance

Product and Service Usage

Software Setup and Inventory

Incorrect Category

Clear Selection

Privacy Dashboard

Privacy Settings

Export Data

Sampling Policies

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:12 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:11 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:10 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:08 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:08 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:08 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:08 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:08 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:07 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:07 PM

SoftwareUpdateClientTelemetry.D...  
5/19/2018 1:32:00 PM

SoftwareUpdateClientTelemetry.D...  
5/19/2018 1:32:00 PM

SoftwareUpdateClientTelemetry.D...  
5/19/2018 1:32:00 PM

SoftwareUpdateClientTelemetry.D...  
5/19/2018 1:32:00 PM

SoftwareUpdateClientTelemetry.D...  
5/19/2018 1:32:00 PM

SoftwareUpdateClientTelemetry.D...  
5/19/2018 1:32:00 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:00 PM

Microsoft.OSG.DU.DeliveryOptCli...  
5/19/2018 1:32:00 PM

Software Setup and Inventory

SoftwareUpdateClientTelemetry.Install

```
{
  "ver": "3.0",
  "name": "SoftwareUpdateClientTelemetry.Install",
  "time": "2018-05-19T18:32:26.8579862Z",
  "cV": "Y9W5jN6/e0a4CNVR.11.2.3.6.1.0.0.1.0",
  "iKey": "o:0a89d516ae714e01ae89c96d185e9ae3",
  "flags": 514,
  "ext": {
    "utc": {
      "aId": "45471675-EBA3-0007-B04A-4D45A3EBD301",
      "epoch": "703789",
      "seq": 1409,
      "pgName": "WINCORE",
      "flags": 905969765
    }
  },
  "metadata": {
    "f": {
      "EventInstanceId": 8,
      "ServiceGuid": 8,
      "StatusCode": 2,
      "ExtendedStatusCode": 2,
      "QualityUpdatePause": 2,
      "FeatureUpdatePause": 2,
      "TargetGroupId": 8,
      "RepeatFailFlag": 2,
      "EventType": 2,
      "UpdateImportance": 2,
      "IsDependentSet": 2,
      "ExtendedErrorCode": 2,
      "CSIFailureType": 2,
      "IsSuccessFailurePostReboot": 2,
      "UpdateId": 8,
      "BundleId": 8,
      "HandlerType": 2,
      "Setup360Phase": 2,
      "FlightBuildNumber": 2,
      "BundleRepeatFailFlag": 2
    }
  },
  "os": {
    "bootId": 6,
    "name": "Windows",
    "ver": "10.0.17134.48.amd64fre.rs4_release.180410-1804",
    "expId": "RS:14B7"
  }
}
```

# Diagnostic data viewer

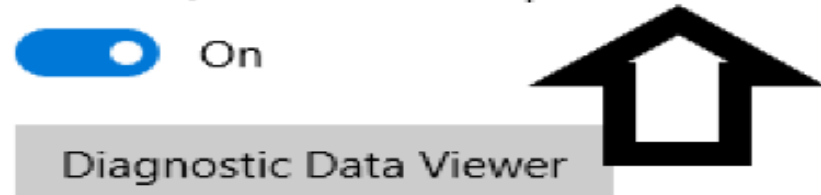
### Software Setup and Inventory

```
SoftwareUpdateClientTelemetry.Install
{
  "ver": "3.0",
  "name": "SoftwareUpdateClientTelemetry.Install",
  "time": "2018-05-19T18:32:26.8579862Z",
  "cV": "Y9WSjN6/e0a4CNVR.11.2.3.6.1.0.1.0",
  "iKey": "o:0a89d516ae714e01ae89c96d185e9ae3",
  "flags": 514,
  "ext": {
    "utc": {
      "aId": "45471675-EBA3-0007-B04A-4D45A3EBD301",
      "epoch": "703789",
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      "flags": 905969765
    },
    "metadata": {
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        "ExtendedStatusCode": 2,
        "QualityUpdatePause": 2,
        "FeatureUpdatePause": 2,
        "TargetGroupId": 8,
        "RepeatFailFlag": 2,
        "EventType": 2,
        "UpdateImportance": 2,
        "IsDependentSet": 2,
        "ExtendedErrorCode": 2,
        "CSIErrorType": 2,
        "IsSuccessFailurePostReboot": 2,
        "UpdateId": 8,
        "BundleId": 8,
        "HandlerType": 2,
        "Setup360Phase": 2,
        "FlightBuildNumber": 2,
        "BundleRepeatFailFlag": 2
      }
    },
    "os": {
      "bootId": 6,
      "name": "Windows",
      "ver": "10.0.17134.48.amd64fre.rs4_release.180410-1804",
      "expId": "RS:14B7"
    }
  }
}
```

# Diagnostic data viewer detail

## Diagnostic data viewer

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## Review problem reports

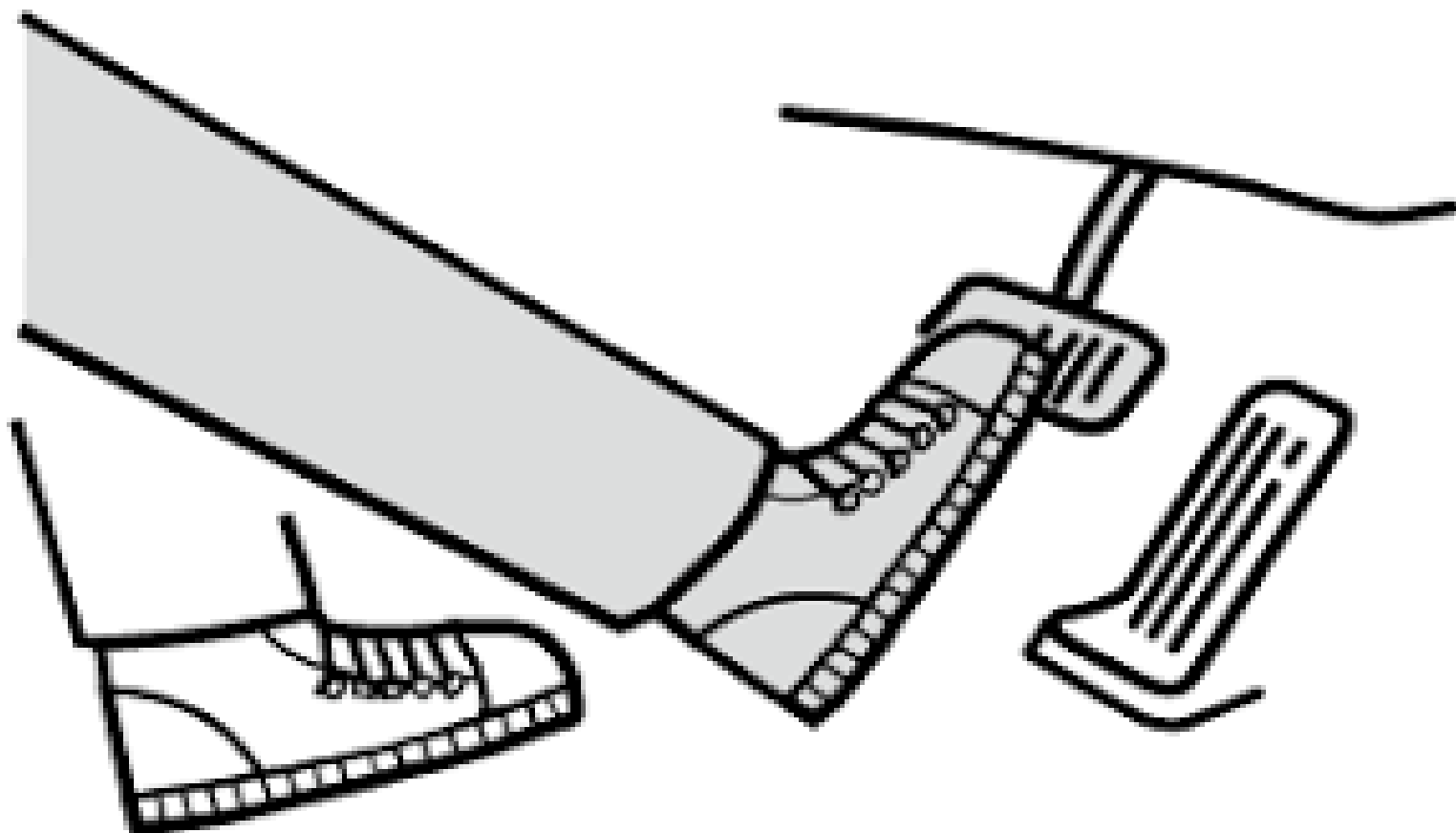
View problem reports that can be reported to Microsoft. When solutions are available, they will appear in Security and Maintenance.

<input type="checkbox"/> Source	Summary	Date	Status
 Host Process for Windows Services (6)			
Host Process for Windows Serv...	Windows Update installation problem	1/4/2018 2:21 PM	Report sent
Host Process for Windows Serv...	Windows Update installation problem	1/4/2018 2:21 PM	Report sent
 Microsoft Edge Content Process			
Microsoft Edge Content Process	Stopped working	1/8/2018 2:03 PM	Report sent
 Microsoft Malware Protection Signature Update Stub			
Microsoft Malware Protection ...	MpTelemetry	1/8/2018 6:46 AM	Report sent
 OneDriveSetup.exe (2)			
OneDriveSetup.exe	OneDrive Client Error	1/4/2018 11:47 AM	Report sent
OneDriveSetup.exe	OneDrive Client Error	1/4/2018 11:47 AM	Report sent
 SetupPlatform module			
SetupPlatform module	WinSetupDiag02	1/4/2018 11:31 AM	Report sent
 Windows Modules Installer Worker (5)			
Windows Modules Installer Wo...	WindowsWcpOtherFailure3	1/4/2018 11:28 AM	Report sent
Windows Modules Installer Wo...	WindowsWcpOtherFailure3	1/4/2018 11:28 AM	Report sent
Windows Modules Installer Wo...	WindowsWcpAIFailure3	1/4/2018 11:28 AM	Report sent

[Clear all problem reports](#)

OK

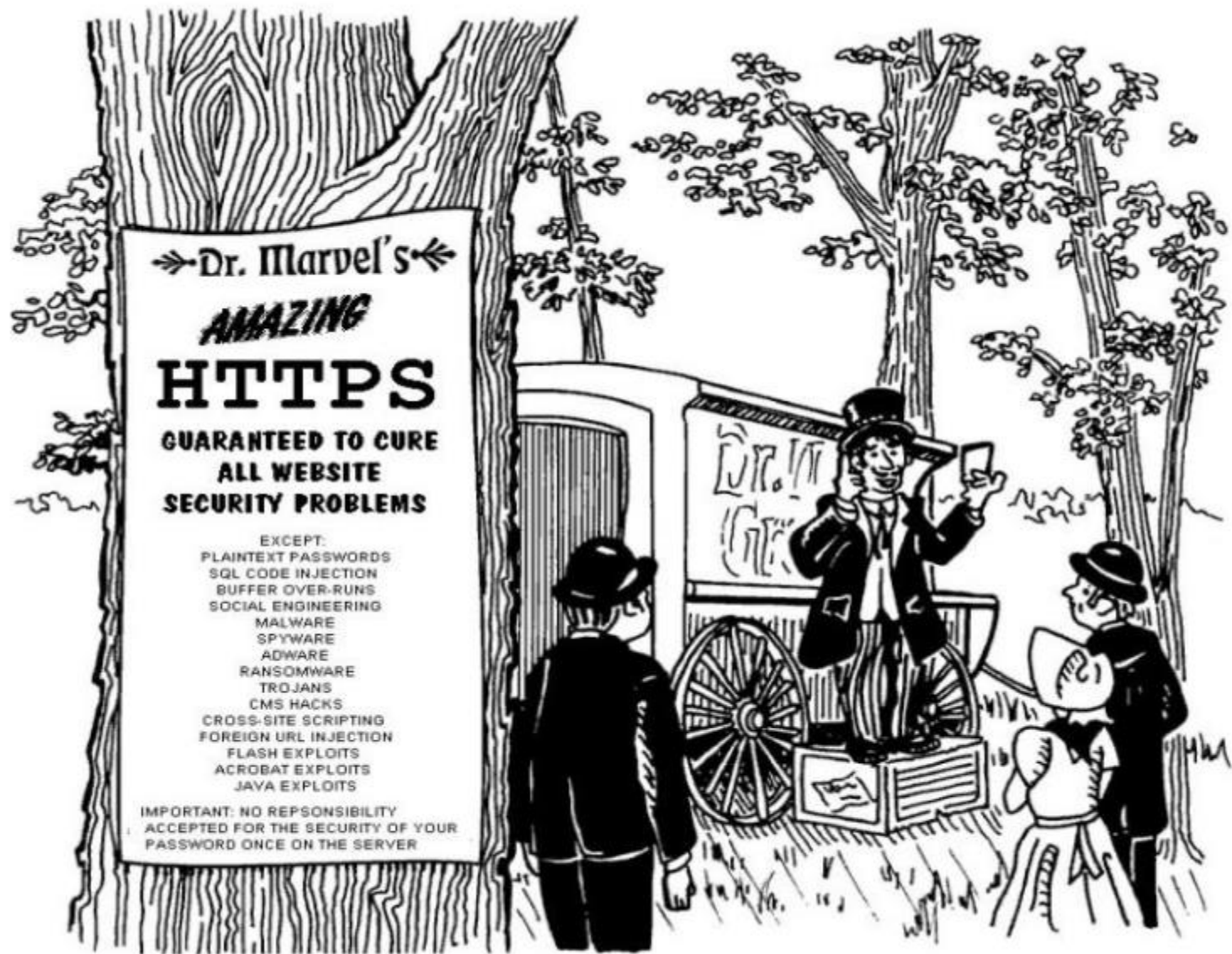




- In the beginning  
NeXT
- Then images
- Then sound
- Then user supplied input
- Java, ActiveX, scripts, ...
- Any/Everything
- Database & SQL
- Code runs on both client and server

**How the WEB works**





Dr. Marvel's

# AMAZING HTTPS

**GUARANTEED TO CURE  
ALL WEBSITE  
SECURITY PROBLEMS**

EXCEPT:  
PLAINTEXT PASSWORDS  
SQL CODE INJECTION  
BUFFER OVER-RUNS  
SOCIAL ENGINEERING  
MALWARE  
SPYWARE  
ADWARE  
RANSOMWARE  
TROJANS  
CMS HACKS  
CROSS-SITE SCRIPTING  
FOREIGN URL INJECTION  
FLASH EXPLOITS  
ACROBAT EXPLOITS  
JAVA EXPLOITS

IMPORTANT: NO REPONSIBILITY  
ACCEPTED FOR THE SECURITY OF YOUR  
PASSWORD ONCE ON THE SERVER

- 1-2-3-4
- Steganography
- Hash
- Symmetric
- Asymmetric

**cryptography**

- 1-2-3-4
- Algorithm
- Key
- Plain text
- Cypher text

**cryptography**

- Plain text, algorithm, key, cypher text
- Algorithm usually public
- Key space is important
- Reversible with the one key
- Does not scale
- E.g. RC4, SEAL DES, 3DES, RC5, Rijndael
- One-time pad
- Cryptanalysis
- Control

**symmetric**

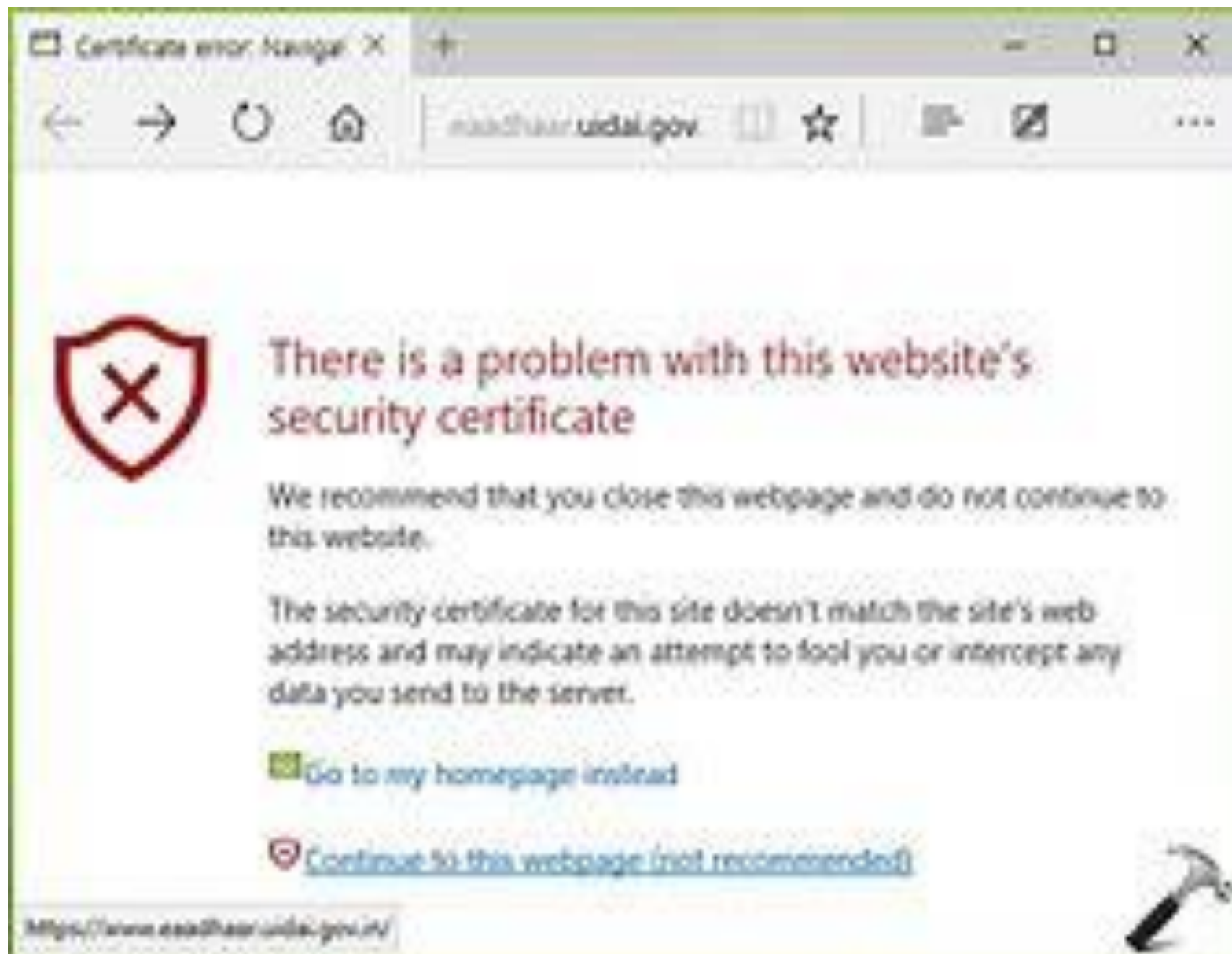
- Public & private key
- Intractable problem
- Symmetric key exchange in presence of adversary
- Thousands of times slower
- E.g. RSA, El Gamal, ECC
- Public key distributed and verified via Digital Certificate
- Signing via digital signature

## Asymmetric

- Source of the WEB site's public key
- "Signed" by trusted certificate authority

## Digital Certificates





- Outsource and Cloud
- Frameworks

**Cloud and CMS**



- Structured Query Language
- Cross site scripting
- Cross site request forgery
- Meta characters

**Database & SQL**

- Questions, suggestions, comments?
- Please wait for microphone
- Next Meeting June 26
- Help with Chairs You know the drill
- Chicken Little
- Tortoise and hare
- Each of us safer, all of us safer