

# Windows 10

By

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# Windows 10

**What is the rationale for all of the technology changes we are seeing?**

- ▶ There is a lot of competition in the market place between Microsoft (the owner of Windows, Xbox, etc.), Apple (the owner of Mac, iPhone, iPad, iPod, etc. ) and Google (the owner of Android, Chrome, etc.). They are all both partners on some technologies and fierce competitors on others. They all have to constantly bring out new and better products in order to compete.

# Windows 10

- ▶ There is a great shift to more mobile devices like tablets and phones and people do not want to learn a new user interface for every devices they have.
- ▶ Smaller devices means less room to provide content people want to see, therefore, menus are being hidden to provide more room for content.

# Windows 10

- ▶ Windows 10 was released July 29, 2015
- ▶ It is a free update to Windows 7 and 8.1 users until July 29, 2016
- ▶ The key questions most people have are:
  - ▶ How different are Windows 7, 8.1 and 10?
  - ▶ What are the pros and cons of updating to Windows 10?
  - ▶ How difficult is it to update to Windows 10?
  - ▶ Should I update to Windows 10?

# Windows 10

- ▶ The major differences most users will see between Windows 7, 8.1 and 10 are in the Start menu. There are also some differences in how you access the control panel and/or PC Settings and how you do a search.
- ▶ Windows 8/8.1 introduced a new set of Applications called “Modern Apps” (now called Universal Apps in Windows 10) that caused a lot of confusion because the Taskbar (the blue area at the bottom of the screen) was not displayed and the Title Bar (the blue area at the top of the screen) was not displayed. Most people would close an application by clicking the X in the upper right corner of the Title Bar.

# Windows 10 Start Screen



# Windows 10

Windows 10 is the last release of Windows. What does this mean? In the past, Microsoft would provide bug fixes and security updates on a monthly basis until they no longer supported the Operating System. How long they supported an operating system (such as Windows XP, Vista, 7, 8, 8.1 etc.) with bug fixes has varied depending on how fast they came out with a new operating system and to some extent customer feedback. Starting with Windows 10 they plan on doing updates (still for free) that includes not only bug fixes and security patches but new content.

# Windows 10

## Microsoft support plan for older operating systems

| Operating System              | Start Date | Security Updates Stop |
|-------------------------------|------------|-----------------------|
| Windows XP                    | 12/31/2001 | 4/8/2014 expired      |
| Windows Vista                 | 1/25/2007  | 4/11/2017             |
| Windows 7                     | 10/22/2009 | 1/14/2020             |
| Windows 8 (Upgrade to Win8.1) | 10/30/2012 | 1/12/2016             |
| Windows 8.1                   | 11/13/2013 | 1/10/2023             |

# Windows 10 Demo

# Windows 10

## Pros of moving to Windows 10

- ▶ You always get the latest technology as soon as it is released.
- ▶ Your PC can continue to run Windows 10 and you will continue to get all updates as long as your PC is still functional (there is no end date for support).
- ▶ The update process is highly automated once you decide you want to update.
- ▶ Cortana, the personnel assistant, can do a lot of things for you.

# Windows 10

## Pros of moving to Windows 10

- ▶ Microsoft Edge, their new browser, has a lot of new features (like the ability to markup a web page) and is highly integrated with Cortana. Internet Explorer (11) is still available.

# Windows 10

## Cons of moving to Windows 10

- ▶ You will have to learn a new user interface.
- ▶ Some programs that ran on Windows 7 or Windows 8.1 may not run on Windows 10- Microsoft claims the vast majority will. There is a compatibility program will run when you reserve your copy of Windows 10 that will help in this area. See <http://www.microsoft.com/en-us/windows/compatibility/CompatCenter/Home>
- ▶ You must perform the update to Windows 10 yourself- it is highly automated and Microsoft claims it will take about an hour.

# Windows 7, 8.1, and 10

## Cons of moving to Windows 10

- ▶ You may have to update some drivers provided by your PC manufacturer after updating to Windows 10; this could be a problem for novice users.
- ▶ Some manufacturers do not support Windows 10 on some of their older PC's.
- ▶ Windows 10 updates will include not just bug fixes and security patches provided by previous Windows operating system but new functionality. So an update may make changes in the display screen you have been accustomed to seeing.

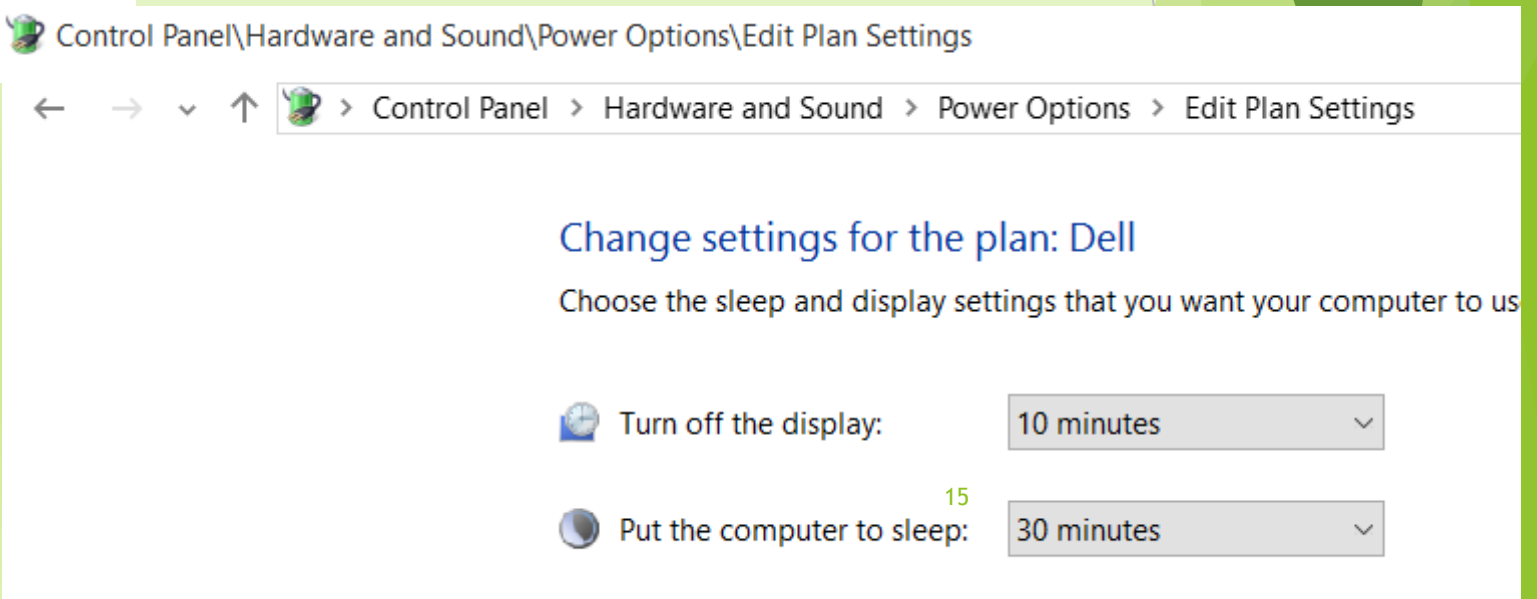
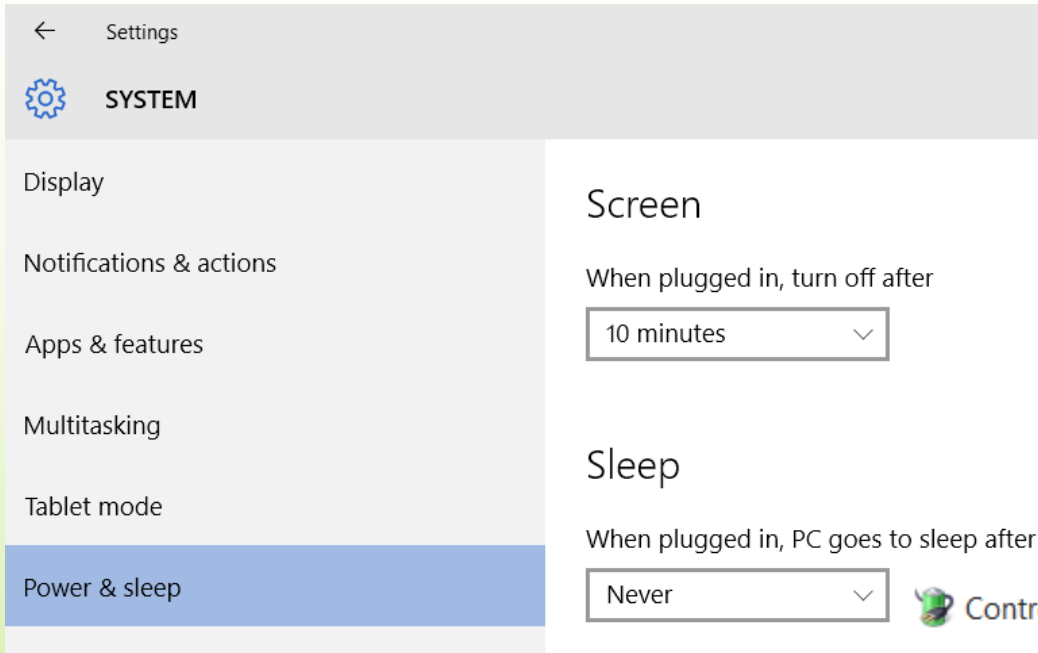
# Windows 10

## Cons of moving to Windows 10

- ▶ You will not be able to choose which Windows 10 updates you want.
- ▶ Windows 10 will update when updates are available and the update may add functionality which could slow down your PC or makes it inoperable due to things like insufficient memory (RAM).
- ▶ There are a lot of Privacy issues you need to be aware of. This will be discussed in detail later.

# Windows 10

## Examples of Inconsistency between the Control Panel and Settings



# Windows 10

## Irritants

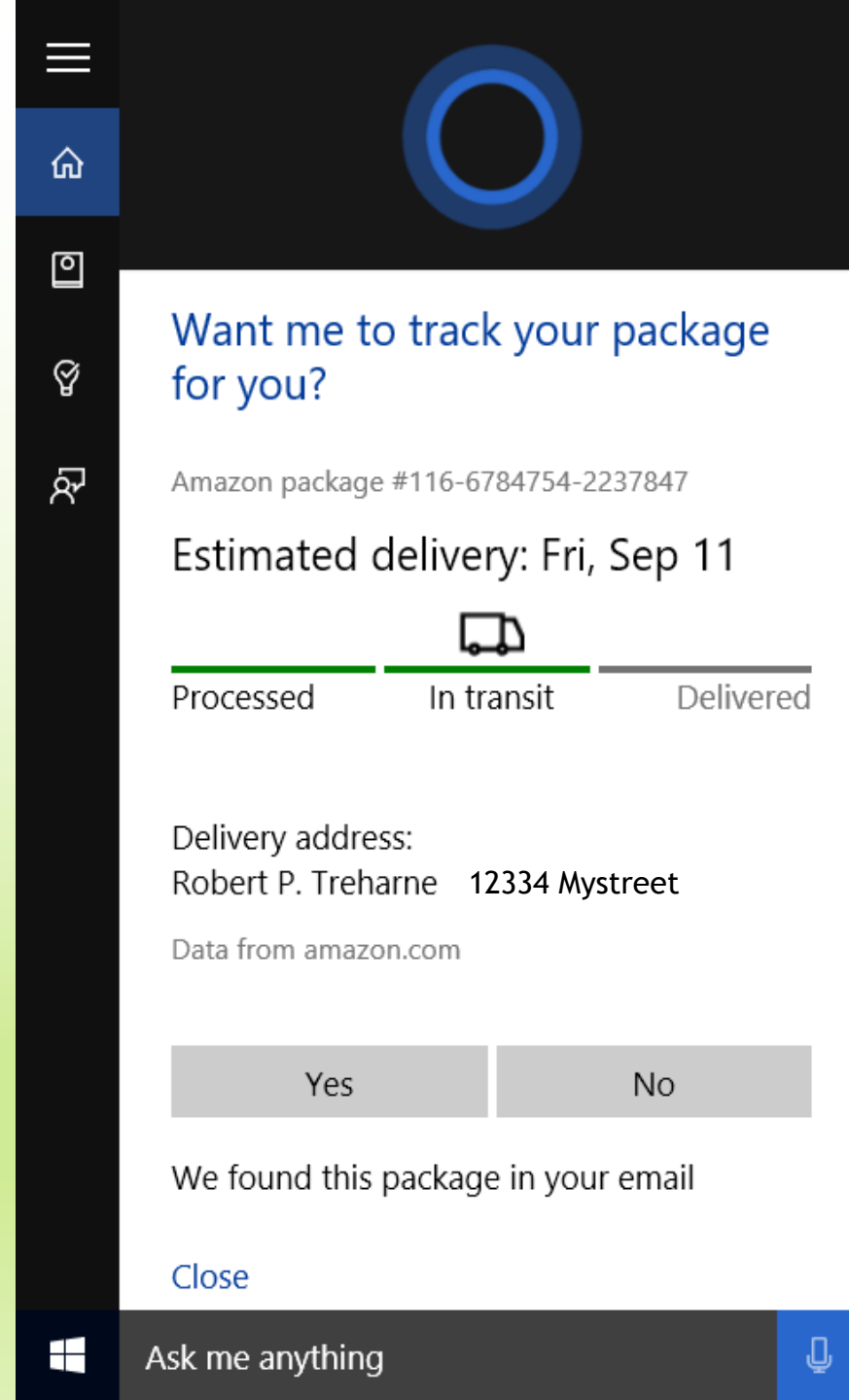
- ▶ Settings replaces some of the Control Panel functions but not all- For example- in settings you can remove a printer but you can't see what is in the Print queue or change the printer settings.
- ▶ Don't know whether to look under Control Panel or Settings to change some things.
- ▶ The Application Compatibility Advisor told me on one computer that there were no incompatibilities but I had MS Office 2000 which is not compatible (and bombed when run).

# Windows 10

## Privacy Surprises

I got the following message from Cortana about a package that was shipped from Amazon.com. Cortana had gone through my email and found this and asked me if I want to track the package.

Is this a really cool  
feature?  
Or  
A really creepy  
invasion of privacy?



# Windows 0

How difficult is it to move to Windows 10

- ▶ The download alone is 2.7 GB (it took a little over an hour on my home WOWWAY line). This can be done ahead of time or overnight.
- ▶ The process on the machines I have done so far took about 1 hour and 15 minutes on Windows 8.1 and 2 hours on Windows 7. This did not include a backup which is always a good idea.
- ▶ All of the updates I have done have gone smoothly- Microsoft has done a very good job in this area. However, a small number of users may run into problems.

# Windows 10

Should you update to Windows 10?

- ▶ This comes down to a personal decision based on what kind of change you are comfortable with.
- ▶ If you are running Windows 8.0 you should update to at least Windows 8.1 as support, including security updates, will stop in January 2016.
- ▶ Updating to Windows 10 is probably a good idea if you are running Windows 8.1 as it is an improvement with more features.
- ▶ If you are running Windows 7 and don't like change and don't plan on using your computer beyond January of 2020 then don't update.

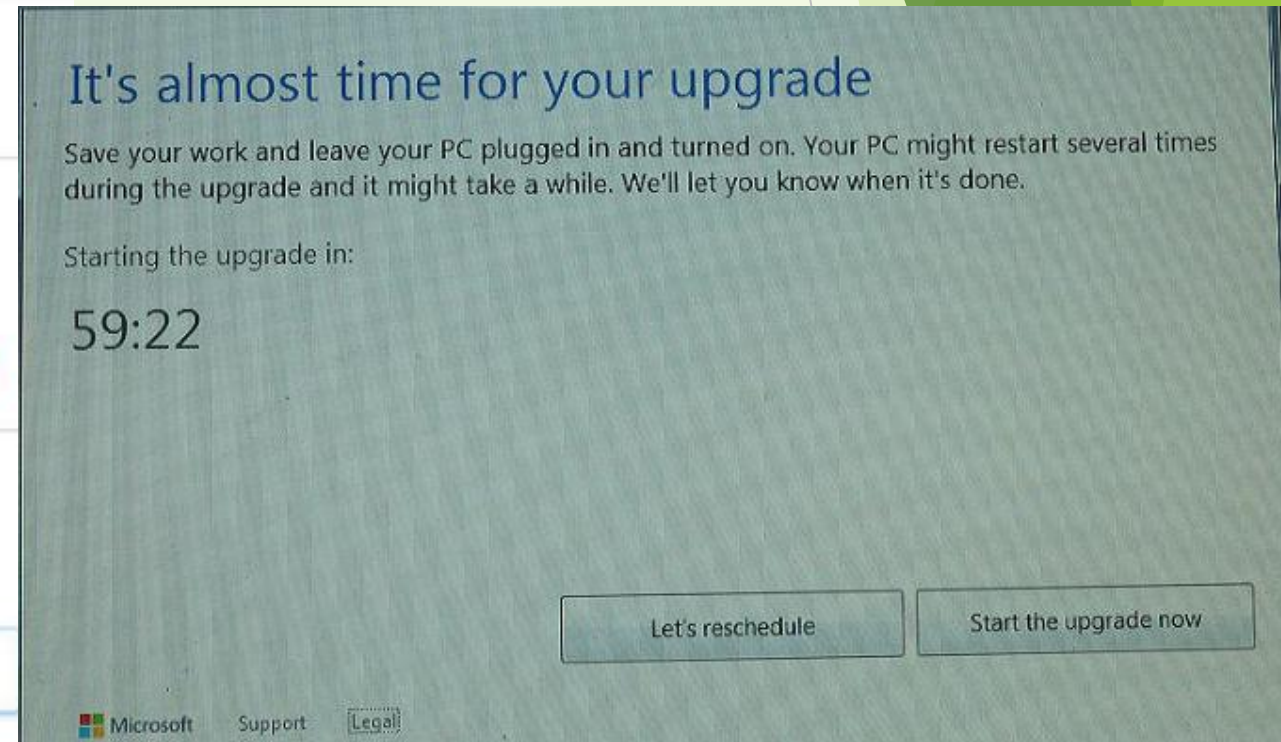
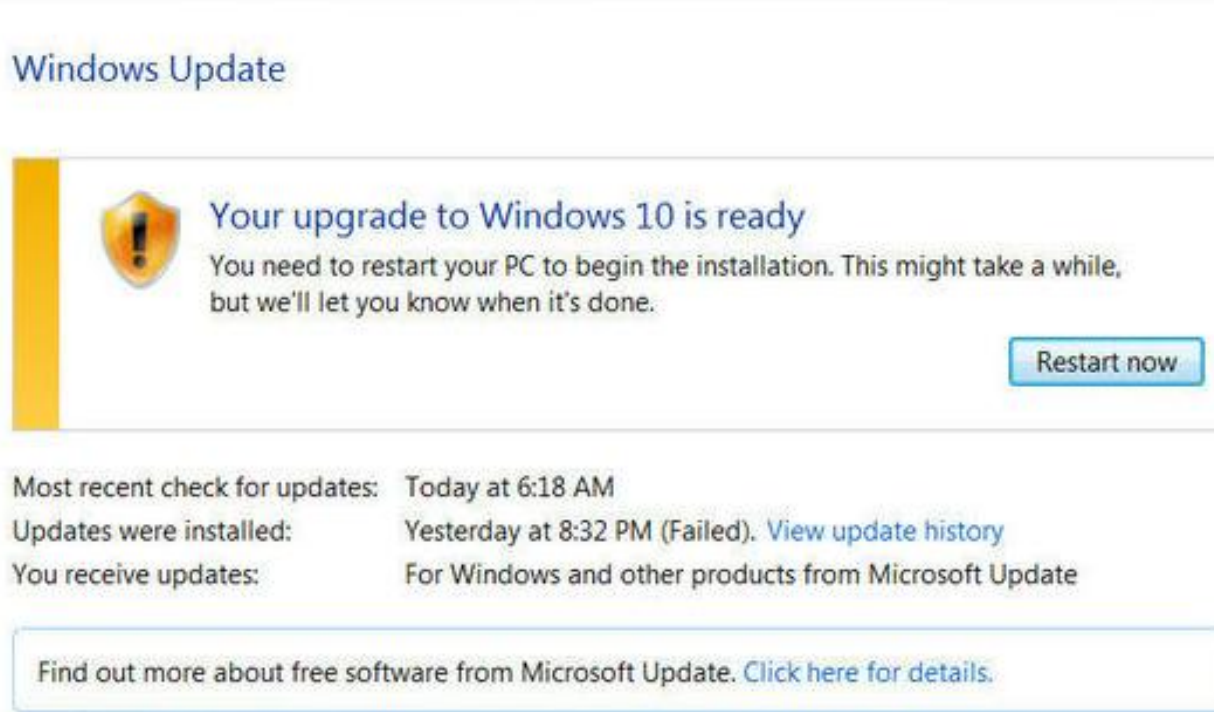
# Windows 10

Should you update to Windows 10?

- ▶ If you are running Windows 7 and plan on using your computer beyond January of 2020 you should update. I do not recommend running any operating system once security updates stop.
- ▶ There is no hurry to update but do not wait until July, 2016.
- ▶ If there is enough interest, we are considering providing help with the upgrade.
- ▶ Our current plan is to offer Windows 10 classes starting April 18, 2016. All classes will be based on Windows 10 after this date.

# Windows 10

Microsoft has admitted to an error that has caused some people to upgrade automatically. While the error has been corrected, it may be too late for many users who have seen either one of these screens.



If you are getting this message, see me after the presentation. I have a handout that shows you how you can download a tool to stop both this and the annoying message about updating to Windows 10.

# Windows 10

## Windows 10 Update Process

- ▶ Included in Windows 10 is a new technology Microsoft calls "Windows Update Delivery Optimization" (WUDO) that is turned on by default. Both Windows 10 Home and Windows 10 Pro are set to provide updates and applications to other devices when connected to the public Internet.
- ▶ Translated in to English- this means your PC could be used to deliver updates to other users either on your local network or to others on the public Internet.

# Windows 10

## Windows 10 Update Process

- ▶ To turn off "Windows Update Delivery Optimization" (WUDO):

Click the **Start** button, Click **Setting**, Click **Update and security**, click **Windows Update** on the left of the screen, click **Advanced options**, click **Choose how updates are delivered**, drag the **On** button to the left.

When this is turned on, your PC may also send parts of previously downloaded Windows updates and apps to PCs on your local network, or PCs on the Internet, depending on what's selected below.



On

Slide to the left to turn off

Get updates from Microsoft, and get updates from and send updates to



PCs on my local network



PCs on my local network, and PCs on the Internet

# Windows 10

## Privacy Issues- Settings you may want to change

- ▶ If you sign on to your PC with a Microsoft account, you are automatically assigned an advertising ID to each user that is associated with your email address on file. This ID is used to tailor ads for web-browsing and is also used by some applications. Turning it off will not eliminate ads but will eliminate targeted ads.

# Privacy-General

The screenshot shows the Windows Settings application with the 'Privacy-General' section selected. The left sidebar lists various privacy categories: General, Location, Camera, Microphone, Speech, inking, & typing, Account info, Contacts, Calendar, Messaging, Radios, Other devices, Feedback & diagnostics, and Background apps. The main content area is titled 'Change privacy options' and contains several toggle switches, all of which are currently turned 'On'. Annotations with arrows point to these toggles and provide additional context or recommendations. A search bar labeled 'Find a setting' is located in the top right corner of the settings pane.

← Settings

PRIVACY Find a setting

General

Location

Camera

Microphone

Speech, inking, & typing

Account info

Contacts

Calendar

Messaging

Radios

Other devices

Feedback & diagnostics

Background apps

### Change privacy options

Let apps use my advertising ID for experiences across apps (turning this off will reset your ID)

☒ On

If you want targeted ads, leave this on

Turn on SmartScreen Filter to check web content (URLs) that Windows Store apps use

☒ On

Smart screen checks the Web address (URL) to see if it is safe. I recommend you keep on.

Send Microsoft info about how I write to help us improve typing and writing in the future

☒ On

Your choice on or off

Let websites provide locally relevant content by accessing my language list

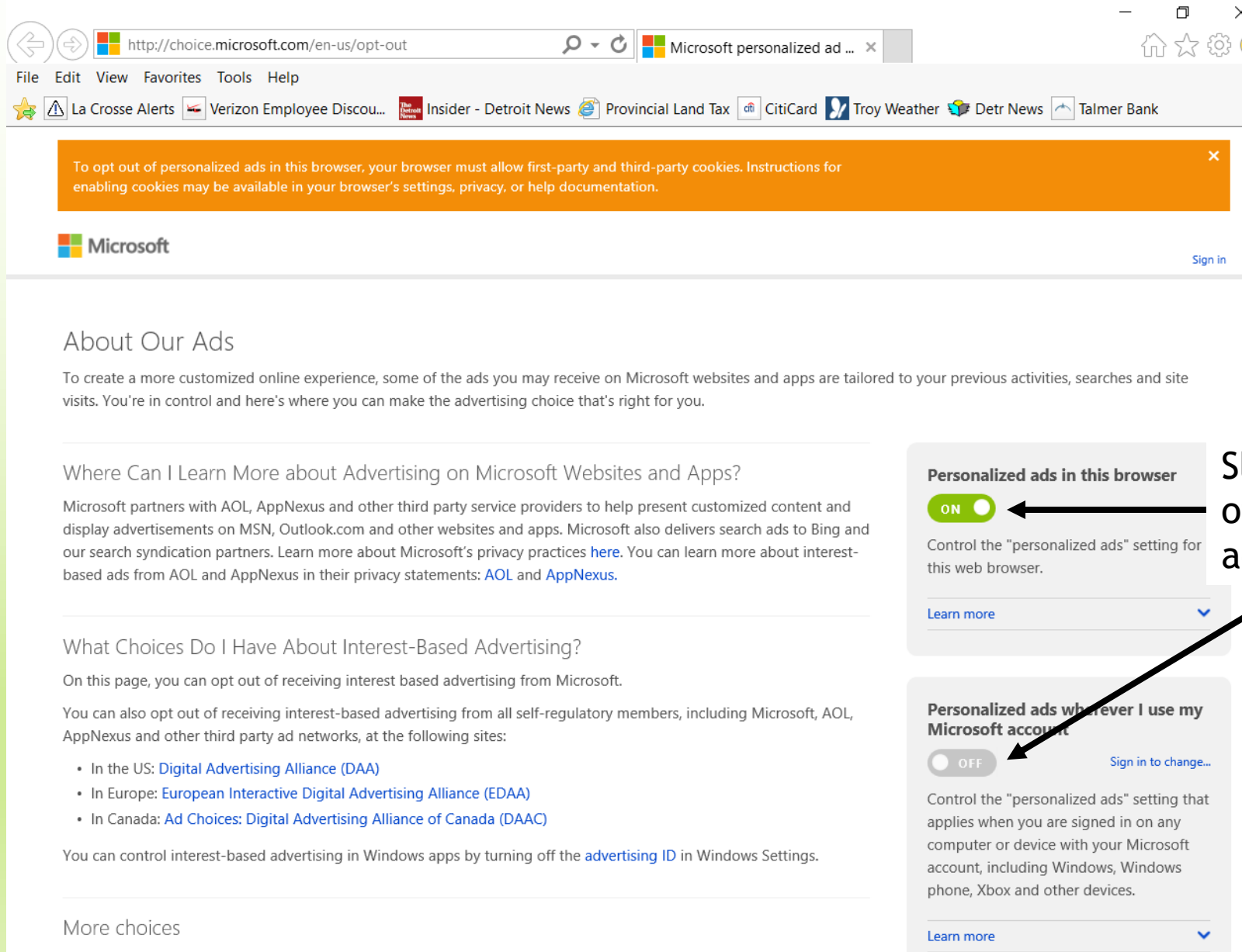
☒ On

[Manage my Microsoft advertising and other personalization info](#)

[Privacy Statement](#)

Click on this link to take you to a Microsoft web site. See the next slide

# Privacy-General (Continued)



The screenshot shows a web browser window with the address bar displaying `http://choice.microsoft.com/en-us/opt-out`. The browser's address bar and tabs are visible at the top. Below the browser window, there is a large orange banner with a close button (X) in the top right corner. The banner contains the text: "To opt out of personalized ads in this browser, your browser must allow first-party and third-party cookies. Instructions for enabling cookies may be available in your browser's settings, privacy, or help documentation." Below the banner, the Microsoft logo is displayed on the left, and a "Sign in" link is on the right. The main content area is titled "About Our Ads" and contains a paragraph explaining that ads are tailored to user activities. Below this, there is a section titled "Where Can I Learn More about Advertising on Microsoft Websites and Apps?" which provides information about Microsoft's partnerships and links to privacy statements. Another section titled "What Choices Do I Have About Interest-Based Advertising?" explains how to opt out of interest-based advertising from Microsoft and other third-party ad networks. At the bottom, there is a section titled "More choices" which provides information about controlling interest-based advertising in Windows apps. On the right side of the screenshot, there are two settings cards. The top card is titled "Personalized ads in this browser" and has a toggle switch set to "ON". An arrow points from a text box to this toggle. The bottom card is titled "Personalized ads whenever I use my Microsoft account" and has a toggle switch set to "OFF". An arrow points from the same text box to this toggle. A text box on the right side of the screenshot contains the text: "Slide to the left to turn these off if you do not want personal adds".

http://choice.microsoft.com/en-us/opt-out

Microsoft personalized ad ...

File Edit View Favorites Tools Help

La Crosse Alerts Verizon Employee Discou... Insider - Detroit News Provincial Land Tax CitiCard Troy Weather Detr News Talmer Bank

To opt out of personalized ads in this browser, your browser must allow first-party and third-party cookies. Instructions for enabling cookies may be available in your browser's settings, privacy, or help documentation.

Microsoft

Sign in

## About Our Ads

To create a more customized online experience, some of the ads you may receive on Microsoft websites and apps are tailored to your previous activities, searches and site visits. You're in control and here's where you can make the advertising choice that's right for you.

### Where Can I Learn More about Advertising on Microsoft Websites and Apps?

Microsoft partners with AOL, AppNexus and other third party service providers to help present customized content and display advertisements on MSN, Outlook.com and other websites and apps. Microsoft also delivers search ads to Bing and our search syndication partners. Learn more about Microsoft's privacy practices [here](#). You can learn more about interest-based ads from AOL and AppNexus in their privacy statements: [AOL](#) and [AppNexus](#).

### What Choices Do I Have About Interest-Based Advertising?

On this page, you can opt out of receiving interest based advertising from Microsoft.

You can also opt out of receiving interest-based advertising from all self-regulatory members, including Microsoft, AOL, AppNexus and other third party ad networks, at the following sites:

- In the US: [Digital Advertising Alliance \(DAA\)](#)
- In Europe: [European Interactive Digital Advertising Alliance \(EDAA\)](#)
- In Canada: [Ad Choices: Digital Advertising Alliance of Canada \(DAAC\)](#)

You can control interest-based advertising in Windows apps by turning off the [advertising ID](#) in Windows Settings.

### More choices

#### Personalized ads in this browser

**ON**

Control the "personalized ads" setting for this web browser.

[Learn more](#)

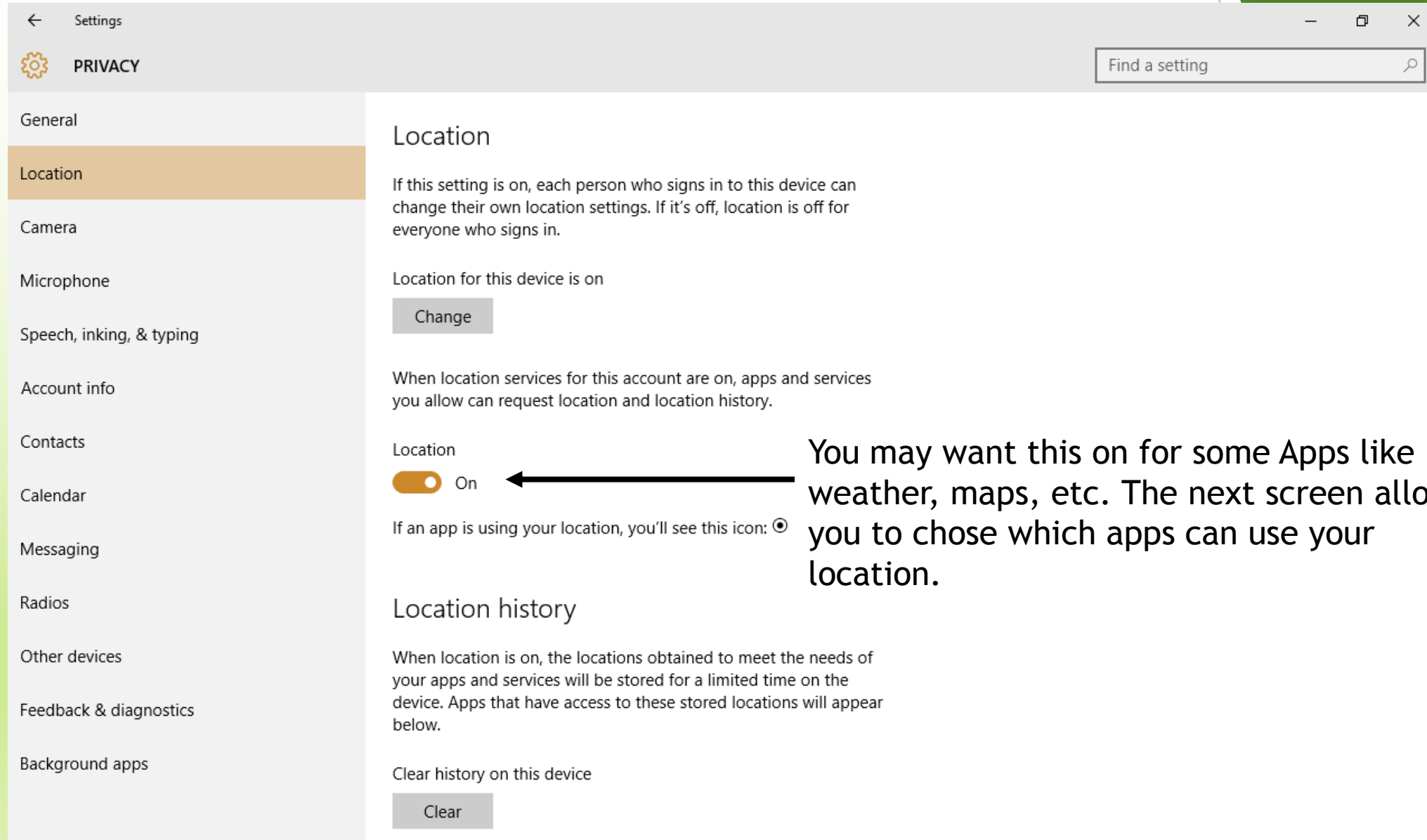
#### Personalized ads whenever I use my Microsoft account

**OFF** [Sign in to change...](#)

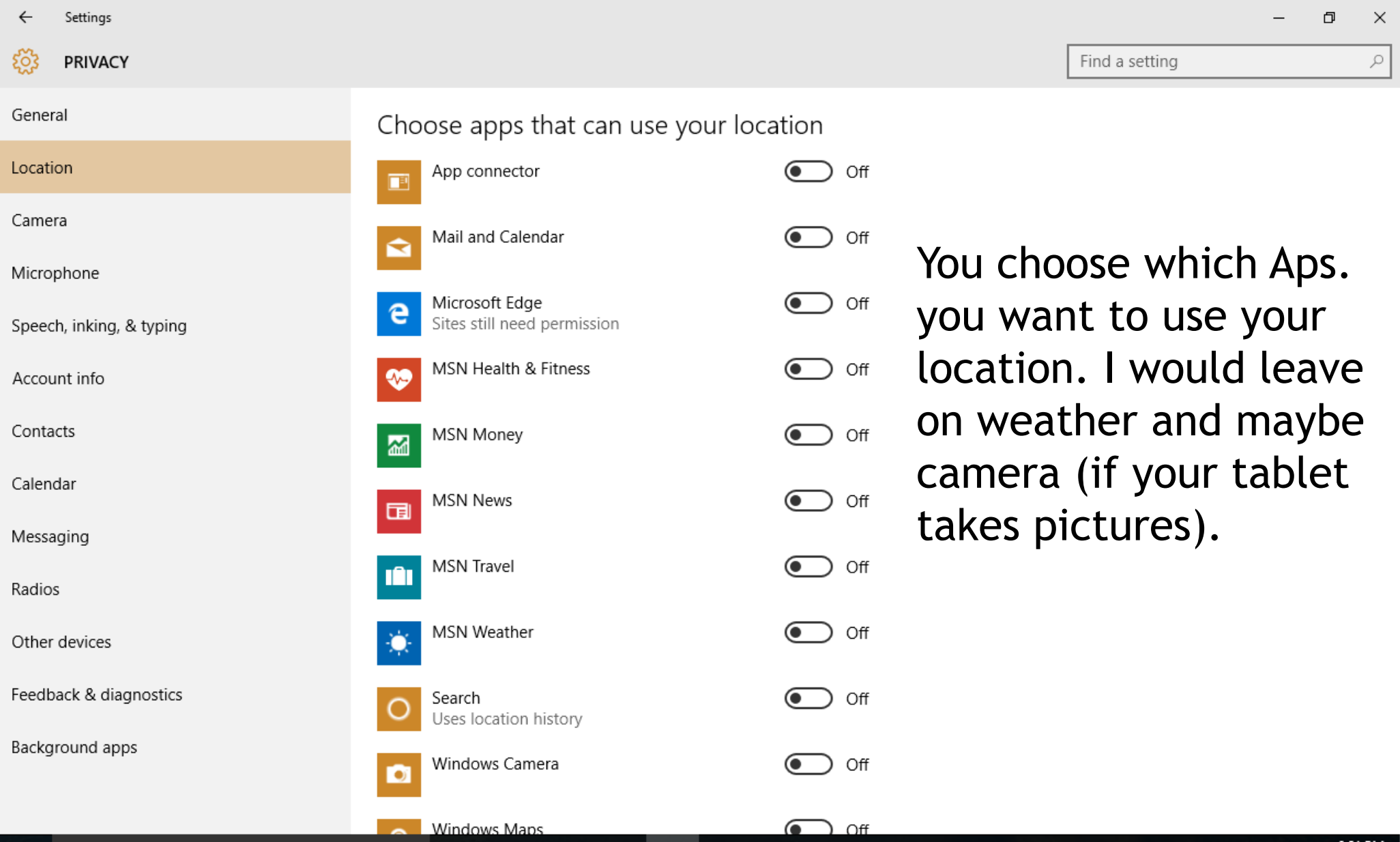
Control the "personalized ads" setting that applies when you are signed in on any computer or device with your Microsoft account, including Windows, Windows phone, Xbox and other devices.

[Learn more](#)

# Privacy-Location



# Privacy-Location (Continued)

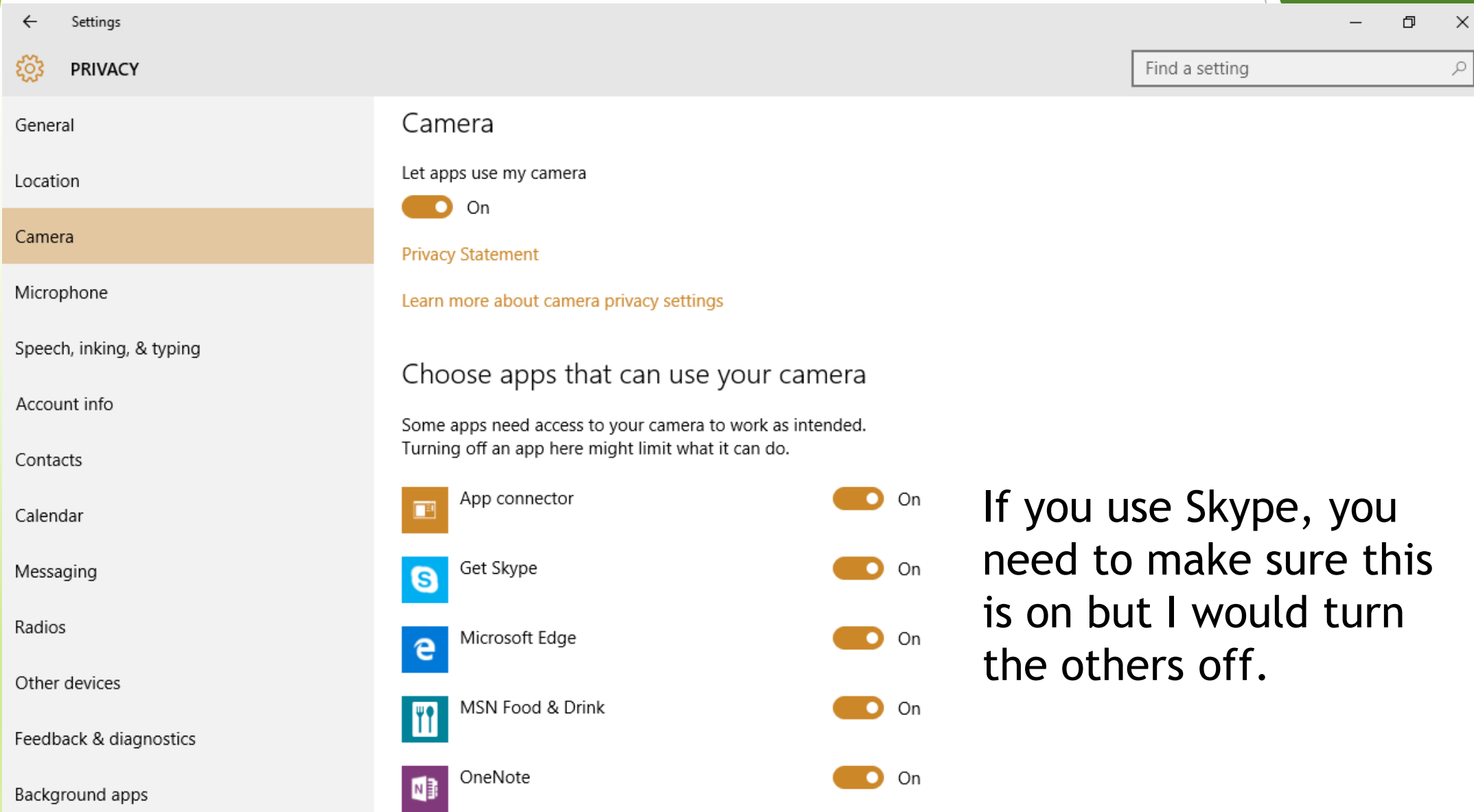


The screenshot shows the Windows Settings application with the Privacy settings page open. The 'Location' category is selected in the left sidebar. The main area is titled 'Choose apps that can use your location' and lists several applications with their location permissions set to 'Off'.

| App  | Location Permission |
|--|---------------------|
| App connector  | Off                 |
| Mail and Calendar  | Off                 |
| Microsoft Edge<br><small>Sites still need permission</small> | Off                 |
| MSN Health & Fitness   | Off                 |
| MSN Money  | Off                 |
| MSN News   | Off                 |
| MSN Travel   | Off                 |
| MSN Weather  | Off                 |
| Search<br><small>Uses location history</small>               | Off                 |
| Windows Camera   | Off                 |
| Windows Maps   | Off                 |

You choose which Apps. you want to use your location. I would leave on weather and maybe camera (if your tablet takes pictures).

# Privacy-Camera



The screenshot shows the Windows Settings application with the 'Privacy' section selected. The 'Camera' category is highlighted in the left sidebar. The main content area shows the 'Camera' settings, including a toggle for 'Let apps use my camera' which is turned 'On'. Below this, there is a 'Privacy Statement' link and a link to 'Learn more about camera privacy settings'. The 'Choose apps that can use your camera' section lists several apps with their camera access toggles turned 'On': App connector, Get Skype, Microsoft Edge, MSN Food & Drink, and OneNote. A text overlay on the right side of the image provides a warning about Skype.

Settings

PRIVACY

Find a setting

General

Location

Camera

Microphone

Speech, inking, & typing

Account info

Contacts

Calendar

Messaging

Radios

Other devices

Feedback & diagnostics

Background apps

## Camera

Let apps use my camera






☒ On

[Privacy Statement](#)

[Learn more about camera privacy settings](#)

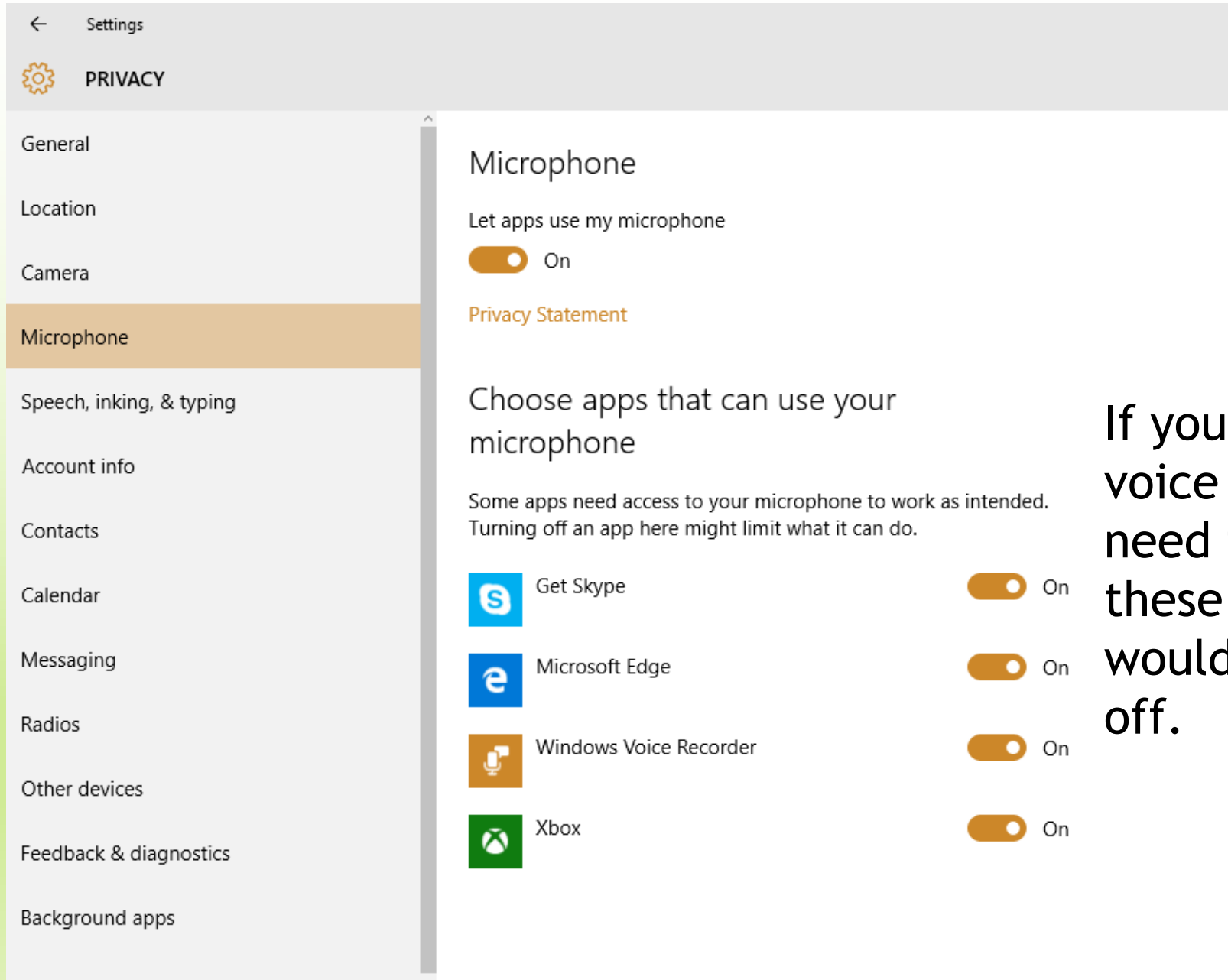
### Choose apps that can use your camera

Some apps need access to your camera to work as intended. Turning off an app here might limit what it can do.

|   |                  |  |
|---|------------------|--|
|    | App connector    | <input checked="" type="checkbox"/> On |
|   | Get Skype        | <input checked="" type="checkbox"/> On |
|  | Microsoft Edge   | <input checked="" type="checkbox"/> On |
|  | MSN Food & Drink | <input checked="" type="checkbox"/> On |
|  | OneNote          | <input checked="" type="checkbox"/> On |

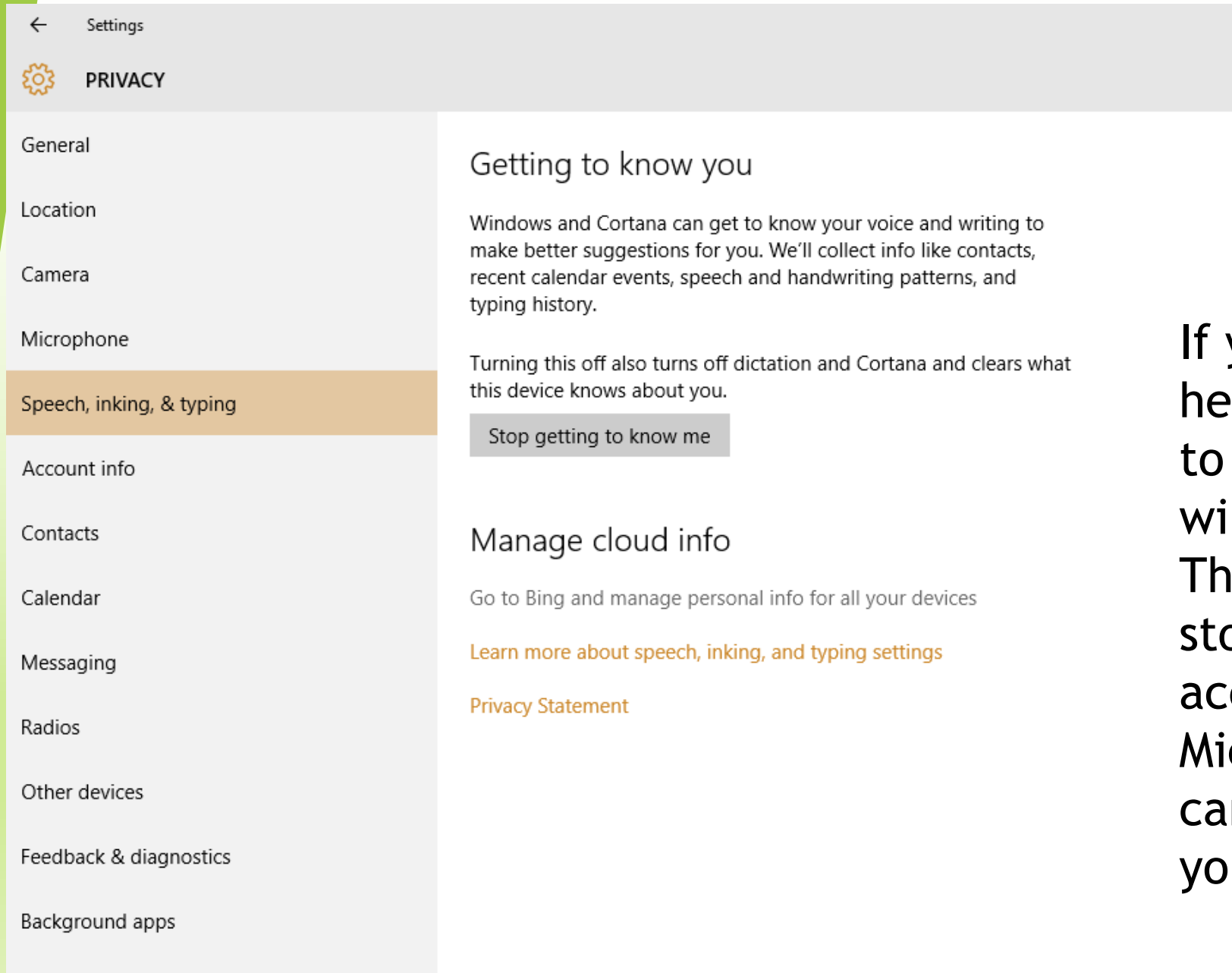
If you use Skype, you need to make sure this is on but I would turn the others off.

# Privacy- Microphone



If you use skype or voice recorder, you need to make sure these are on but I would turn the others off.

# Privacy- Speech, Inking & typing

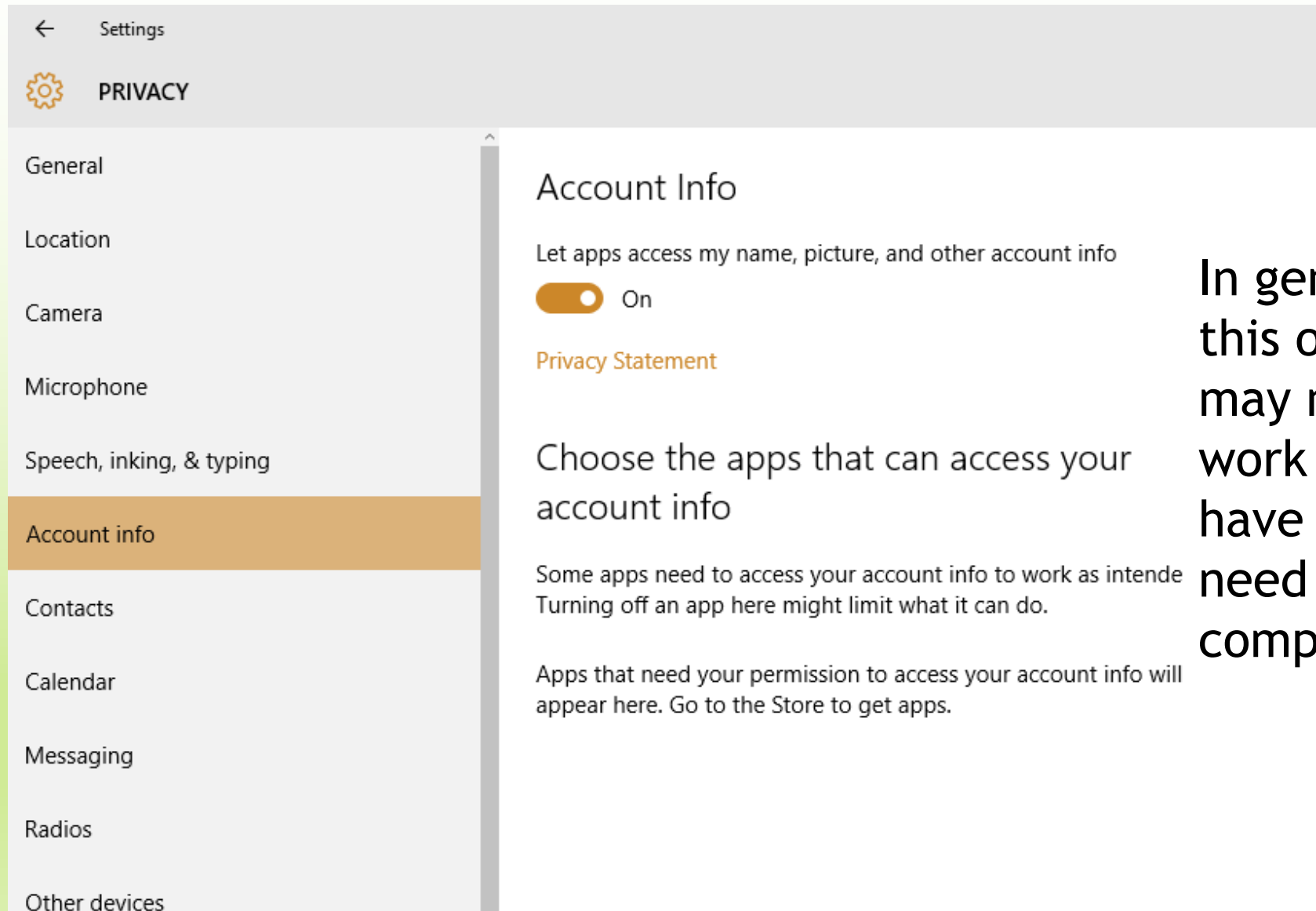


If you use Cortana, it helps if you allow her to get to know you. She will perform better. This information is stored in your Microsoft account on the Microsoft website that can only be accessed by you.

## Inking in Windows

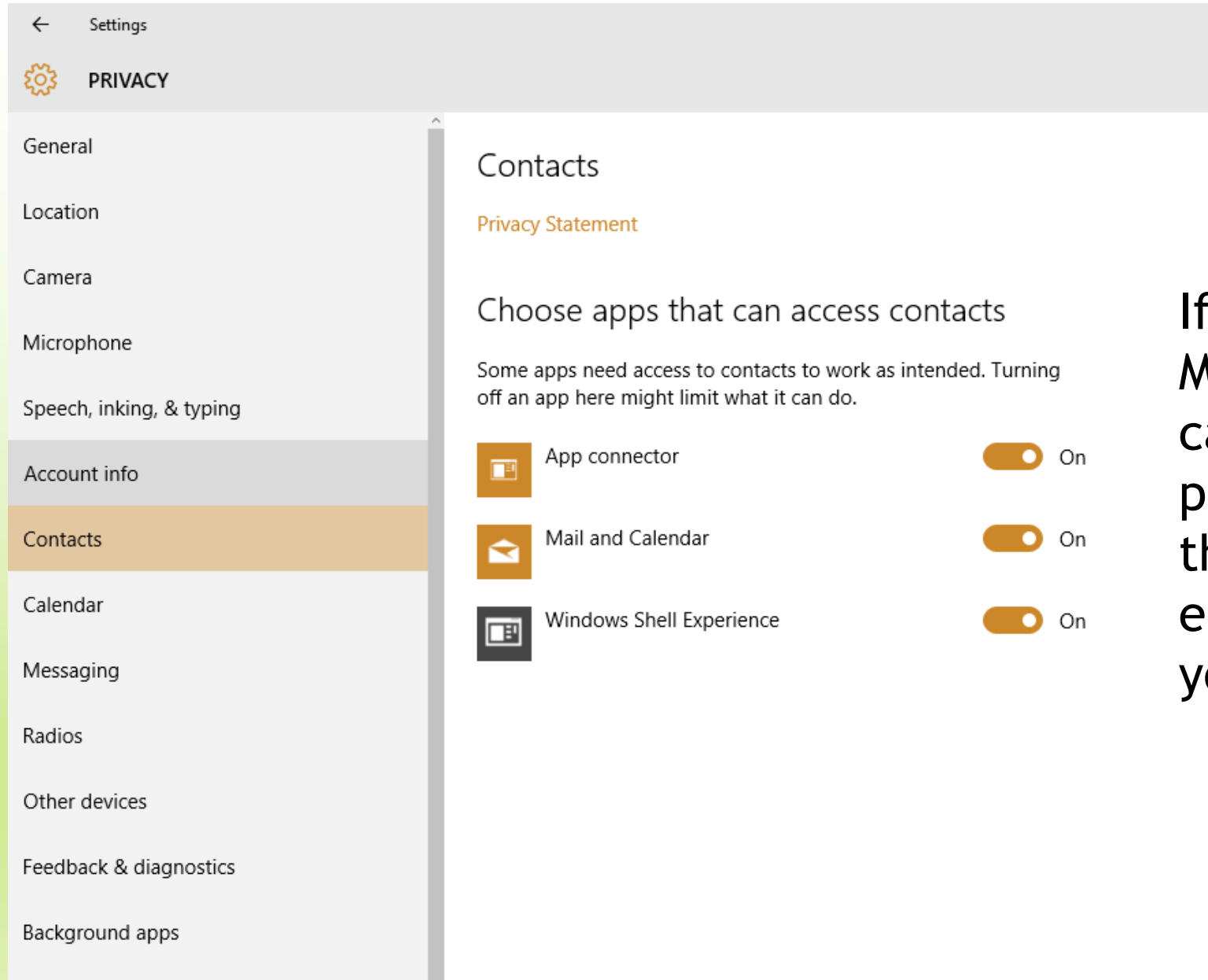
Windows 10 has the ability to allow you to draw right on your screen. It's like having a portable dry-erase board on your screen all of the time. While it is more geared toward tablets and phones, the new Edge browser has the ability to draw on the screen. The word inking seems to be derived from the old ink pens that you dipped into the ink to write with. Comic artists would usually draw in pencil and then go over it with an ink pen to define the character they were drawing.

# Privacy- Account Info



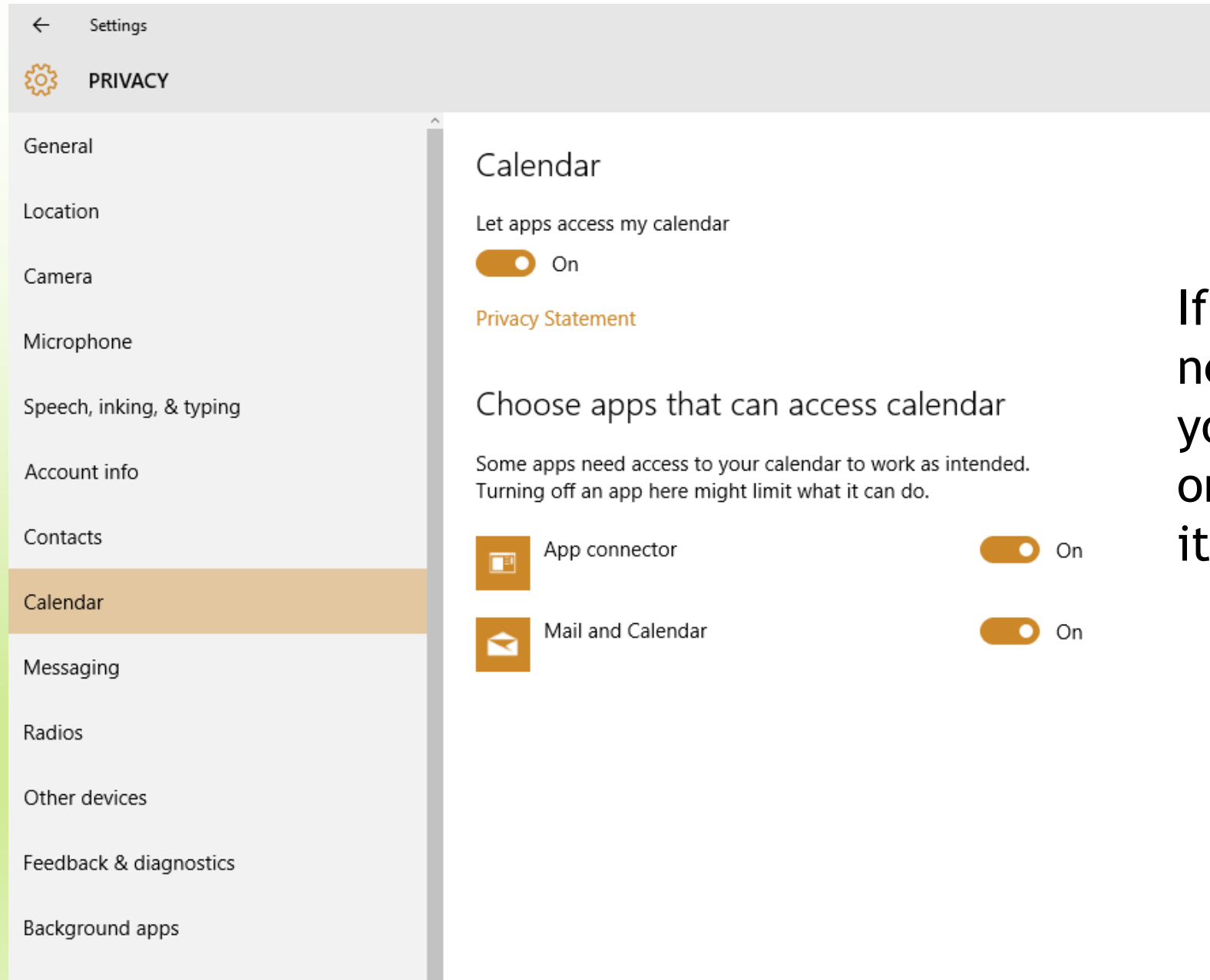
In general, I would turn this off but some Apps. may need this on to work properly. I do not have any Apps. that need this info on my computer.

# Privacy- Contacts



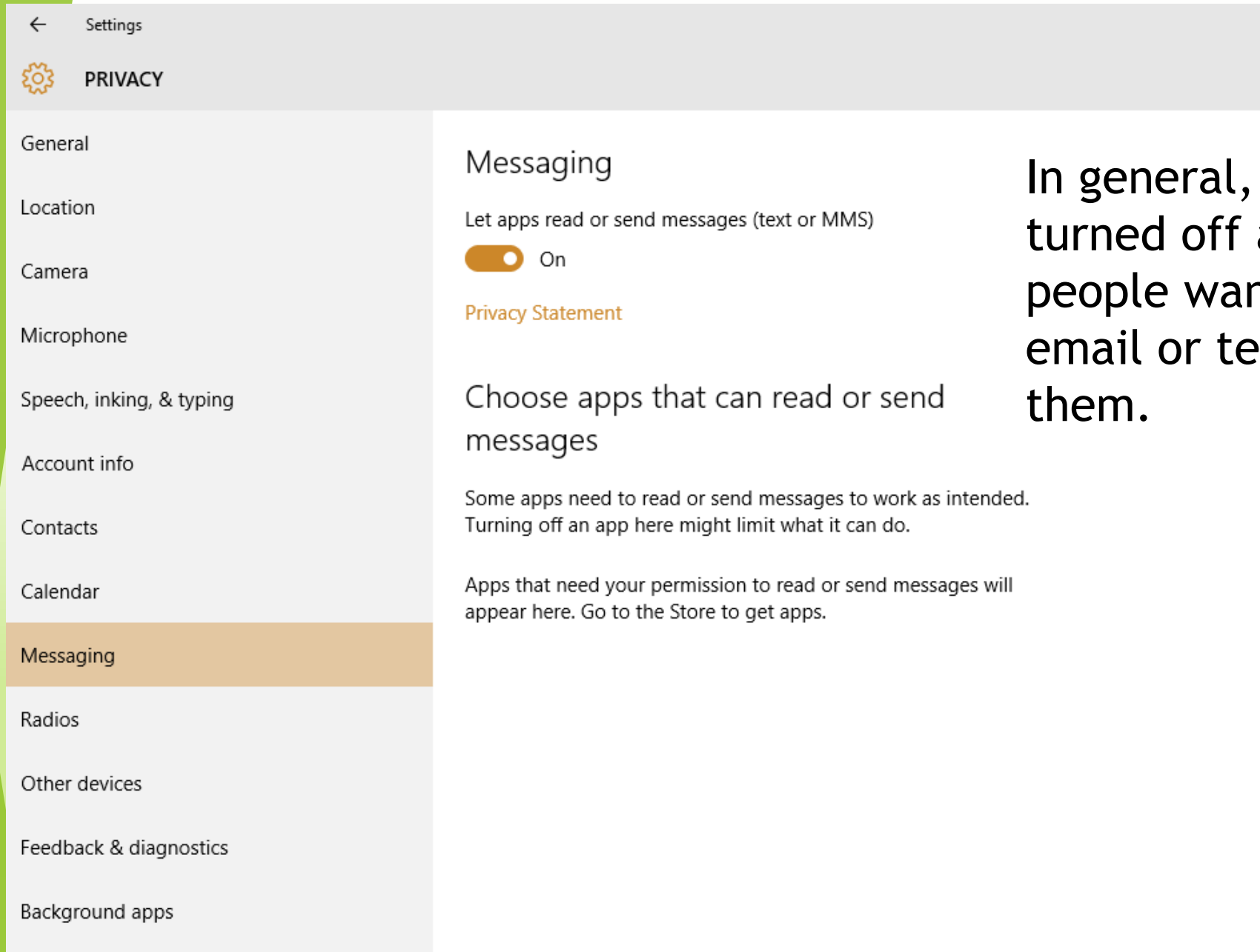
If you use the new Microsoft mail or calendar App. (most people probably don't), then you want to enable them to access your contacts.

# Privacy- Calendar



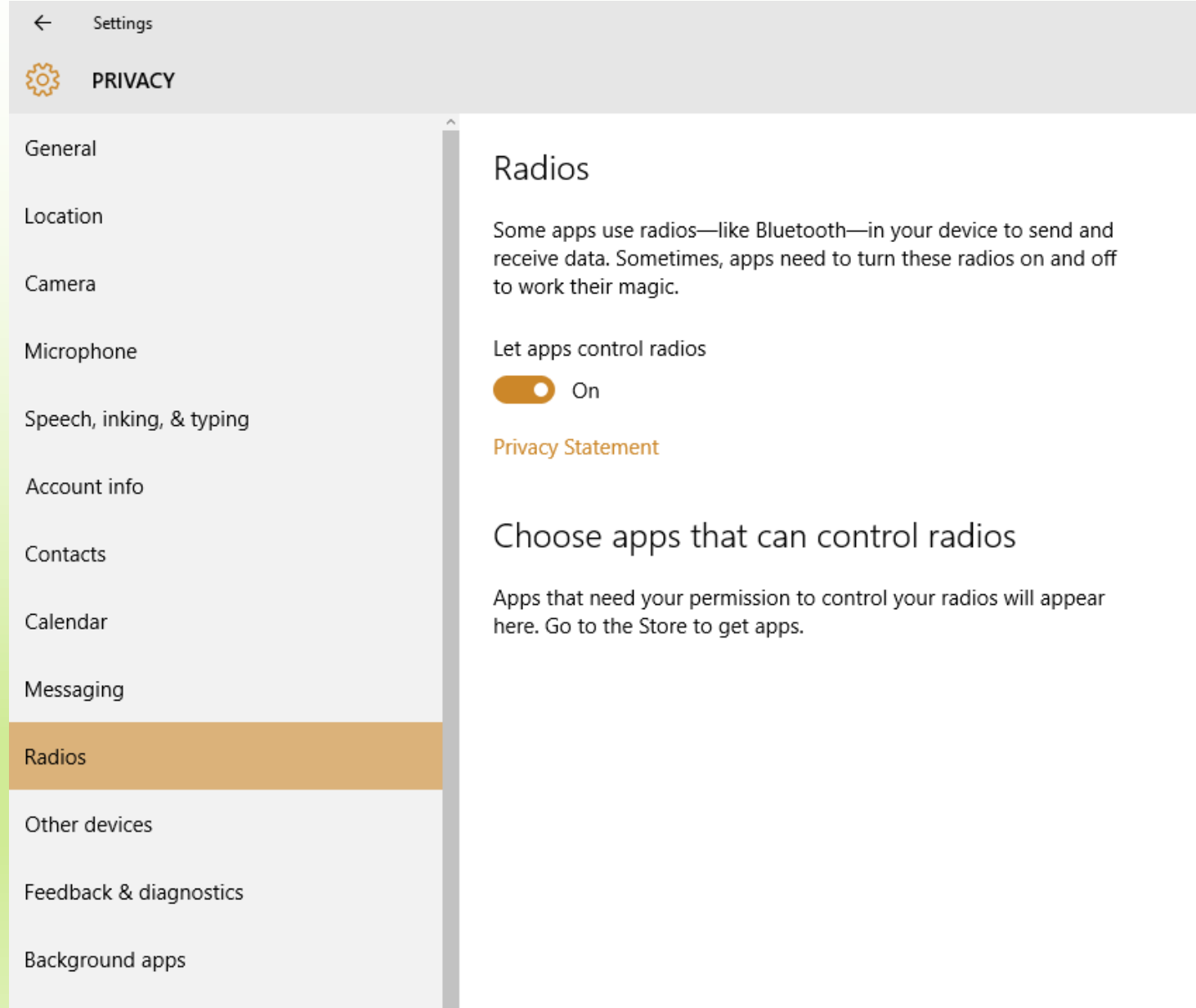
If for some reason, you need an App. to access your calendar, turn it on here, otherwise turn it off.

# Privacy- Messaging



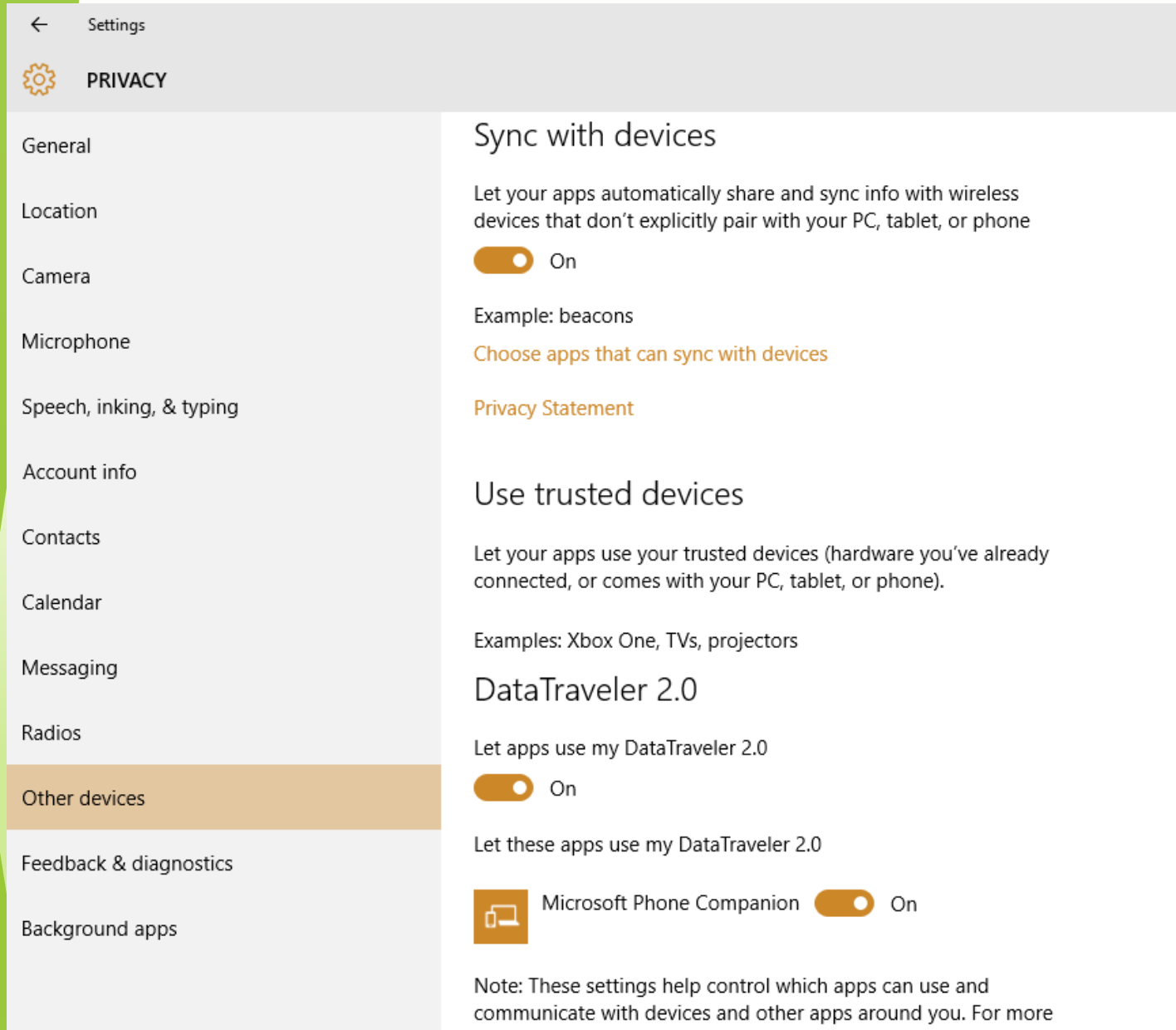
In general, you want this turned off as very few people want Apps. to send email or text messages for them.

# Privacy- Radios



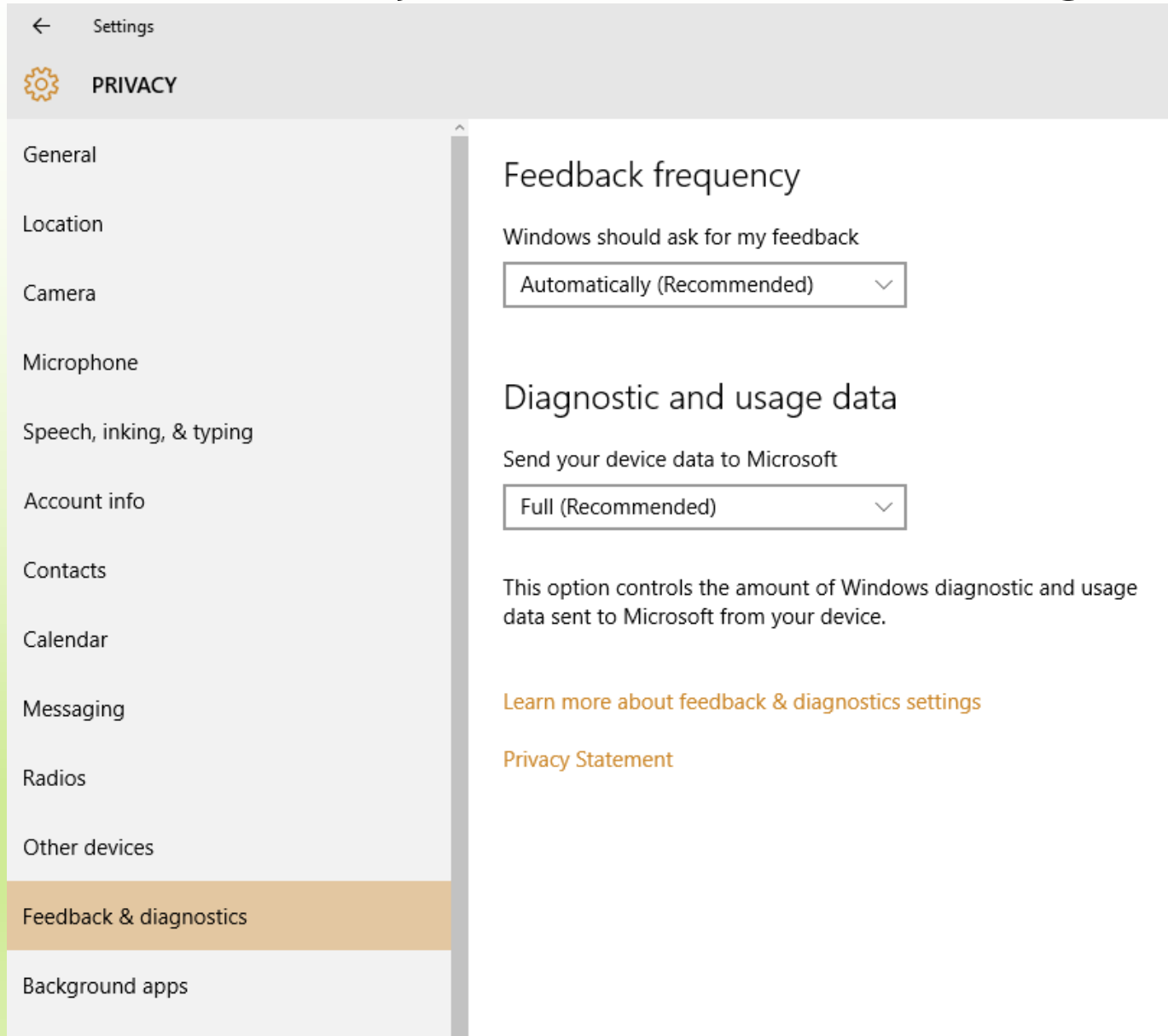
If you have Bluetooth speakers or a Bluetooth printer, you will need this on. Bluetooth is a local network technology that lets you communicate with other devices in a very limited range (typically about 50 feet). If your cell phone communicates with your car radio, it is using Bluetooth technology.

# Privacy- Other Devices



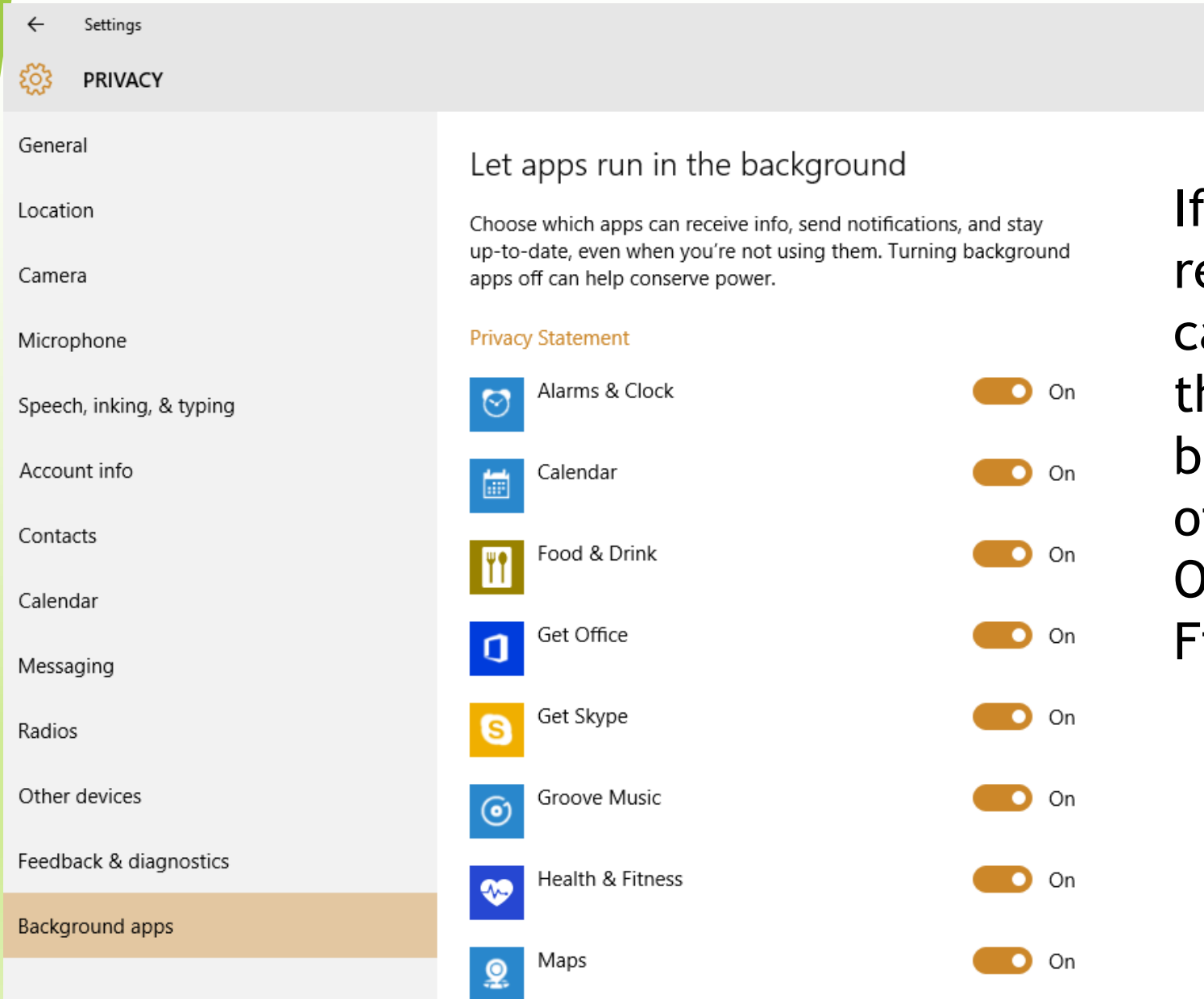
While this says wireless devices, one of the devices listed is my USB flash driver which is not wireless. I don't have any Apps that need this turned on, including my automated backup program.

# Privacy- Feedback and diagnostics



This is purely a personal choice. Microsoft wants to use data to find and/or fix bugs.

# Privacy- Background apps



If you use alarms or reminders in your calendar, you clearly want those to run in the background. I would turn off all others like “Get Office”, Health & Fitness”, etc.