



Windows 10



-
- Ready for prime time
 - Final version of Windows
 - Free upgrade until July 29, 2016
 - New features
 - Works on most computers < 6 years old

Installation type

- Pre-installed on new computer
 - Recommend local account, not Microsoft login
- Upgrade from Windows 7 or 8
 - Keep settings, applications and most customizations
- Clean install
 - From Windows XP
 - Lose settings and applications

Why upgrade?

- Boots much faster
- Only free until July 29, 2016
- Security
- New features
 - Cortana (Similar to Siri)
 - Multimedia
 - Detect new hardware much faster
- Forward compatibility
- Simplified backup and recovery

Potential pitfalls

- Wear and tear on computer
- Old computer
- PS/2 (round plug) mouse or keyboard
- Old scanner or camera
- Old software (Quicken, QuickBooks, AutoCAD)
- Damaged hard drive will get worse
- Possible loss of data
- Downtime due to upgrades

More pitfalls

- Slow internet connection
 - Can install Windows 10 from disk downloaded on machine with fast internet
- Laptop with weak battery
 - Plug in to electricity while upgrading
 - Designate WiFi as metered connection
- Printer with parallel port only
 - May need to purchase parallel-to-USB adapter
- No longer able to boot directly to Safe Mode
 - Use BCDEDIT to enable Safe Mode on boot

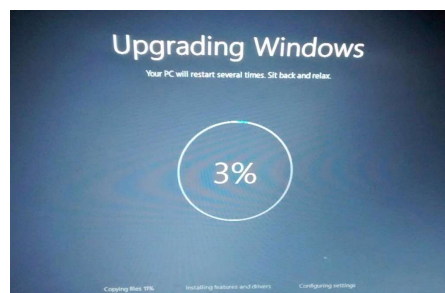
Avoiding the upgrade

- Don't want to upgrade?
- Don't want the Windows 10 nag screen?
- Edit the registry to disable GWX and disable OS upgrade



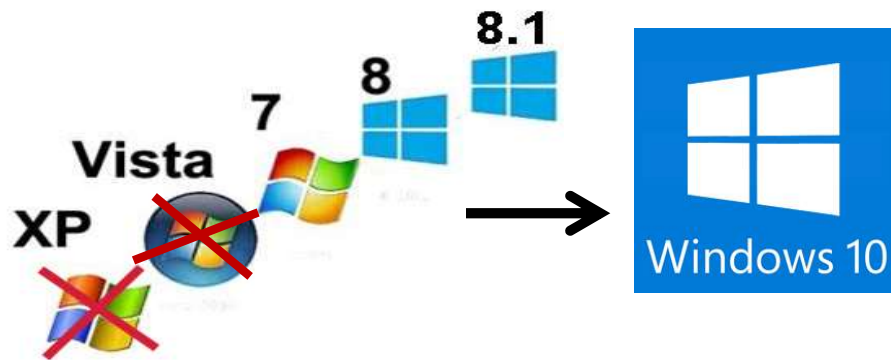
Service pack upgrade

- Major upgrades twice a year
- Can be postponed but not avoided
- Compute is unusable for 2-3 hours
- No notification or warning



Ease of upgrade

- No special knowledge needed
- Takes about 2-4 hours for typical machine



Upgrade paths

- 32-bit to 32-bit
- 32-bit to 64-bit (requires clean install)
- 64-bit to 64-bit
- 64-bit to 32-bit (requires clean install)

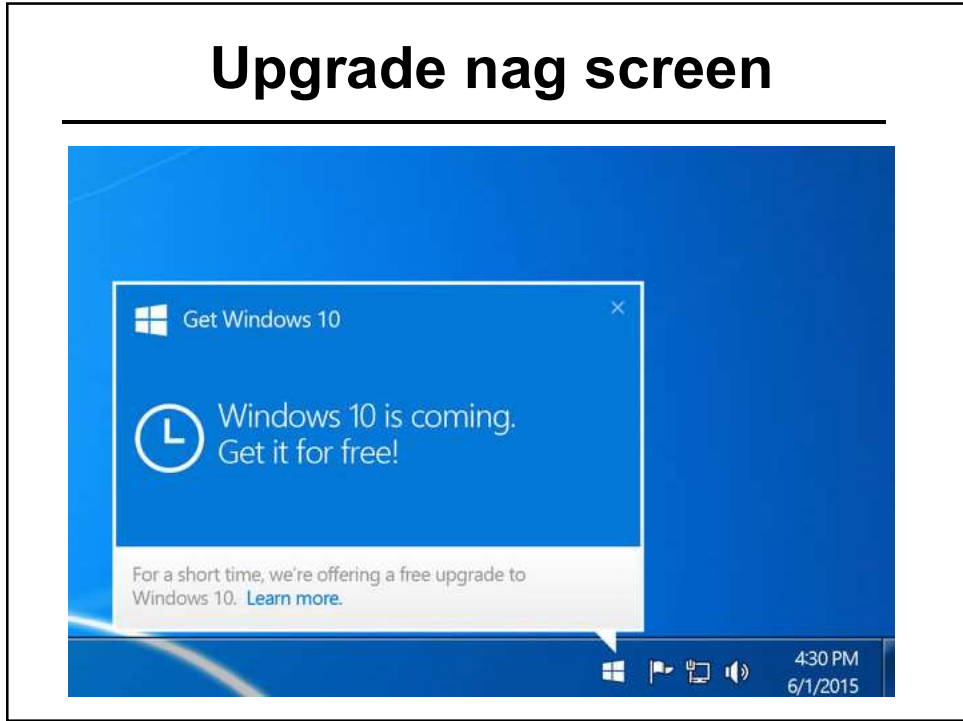
Upgrade paths

- Windows Home → Windows 10
- Windows Starter → Windows 10
- Windows Pro → Windows 10 Pro
- Windows Ultimate → Windows 10 Pro
- Windows Enterprise → no free upgrade
- Windows volume license → no free upgrade

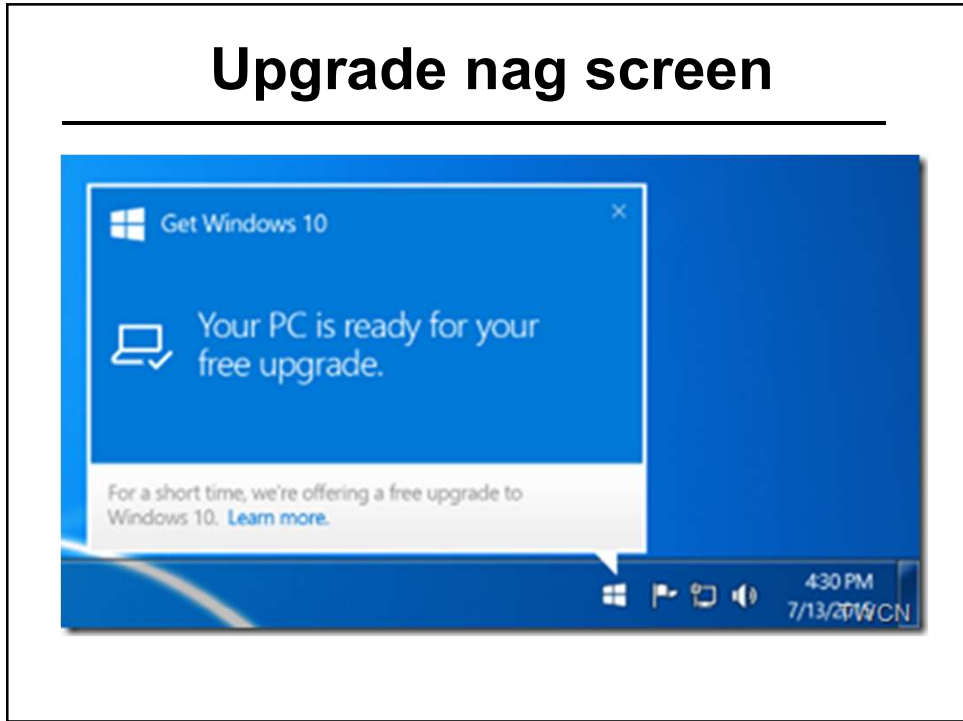
Can you upgrade?

- Check compatibility with Microsoft Upgrade Assistant (just check, don't use this to upgrade)
<http://go.microsoft.com/fwlink/p/?LinkId=261871>
- Hardware compatibility
 - CPU
 - Graphics card
- Software compatibility
 - Quicken
 - QuickBooks
 - Other older programs

Upgrade nag screen



Upgrade nag screen



Before you upgrade

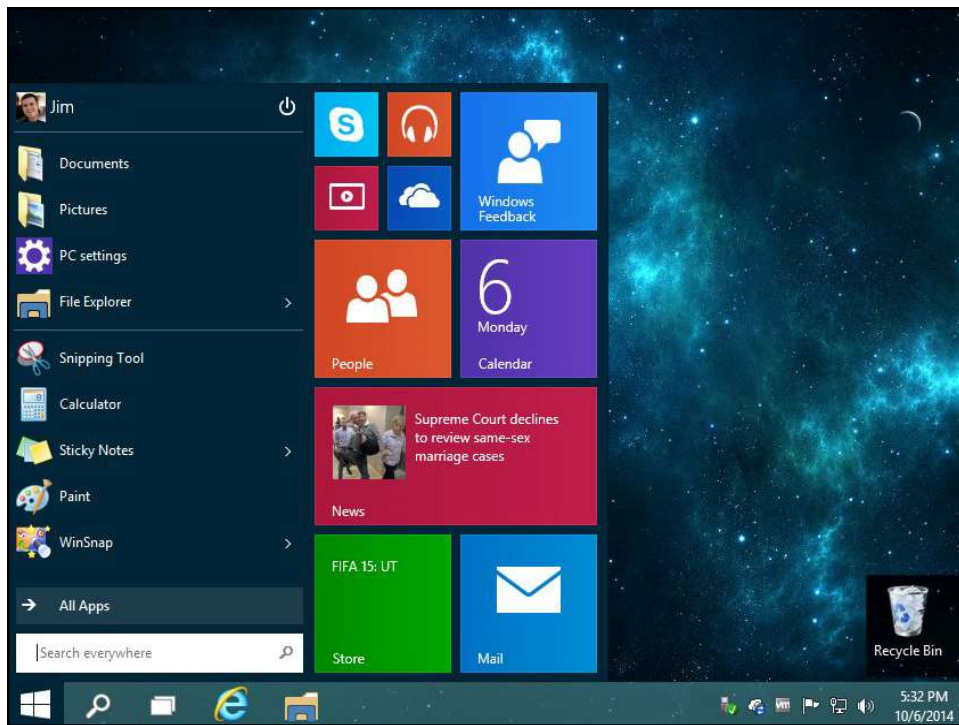
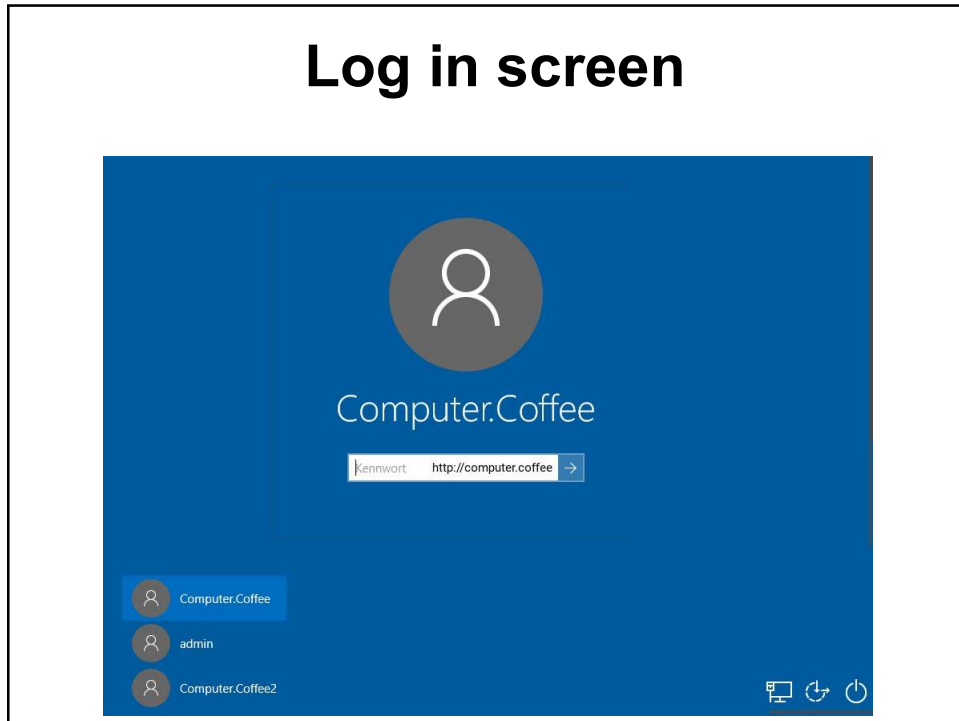
- Back up data
- Check hard drive for errors
- Check for viruses
- Do a system backup



After you upgrade

- Make Windows 10 repair CD or flash drive
- Install start menu software
- Turn off lock screen
- Add icon for Show Desktop
- Plug security holes
- Check that printer is default and it works
- Perform full system backup
- Turn off OneDrive
- Install games (Solitaire, etc.) if needed
- Fix sharing settings and browser add-ons

Log in screen

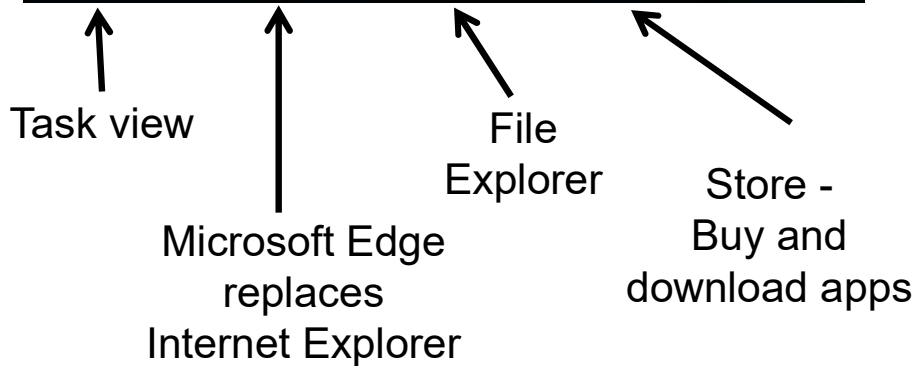
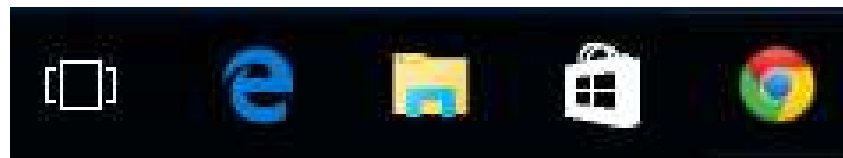


Apps vs. Applications

- Apps run on phones, tablets and computers
- Applications are programs for computers
- Applications are more complex



New icons



New names

- This PC (was My Computer)
- Microsoft Edge (was Internet Explorer)
- PC settings (Windows 10 control panel)
- Windows update – moved to PC settings

Rolling back to Windows 7

- Easy within 30 days
- Harder after that
 - Restore Windows 7 system image
 - Clean install

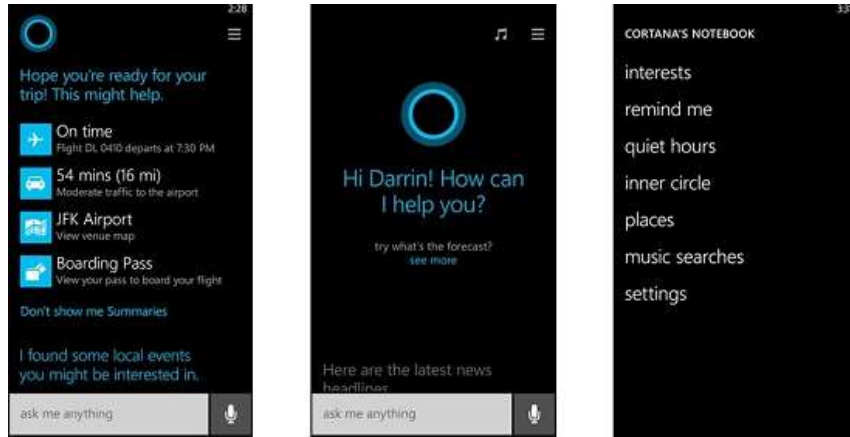
Controlling Windows updates

- On wired ethernet, cannot be disabled
- Can be postponed for several months
 - Not recommended
- On WiFi, can designate as metered connection
 - Manual update
 - Recommended at least once a month

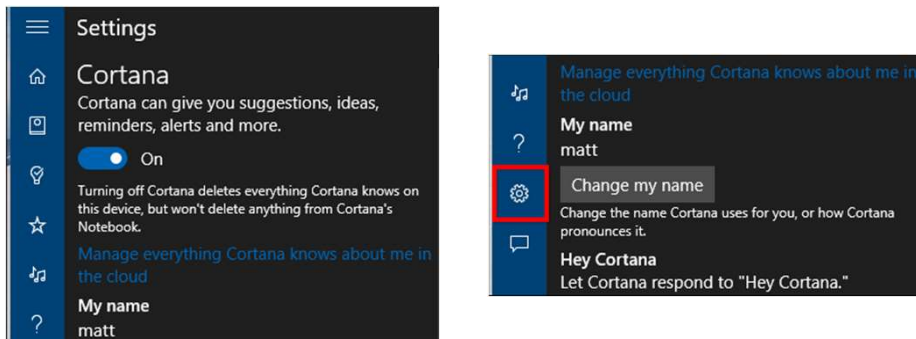
Windows 7 games

- Manual install and download
- Have to re-install after every service pack (build) upgrade, about twice a year

Cortana personal assistant



Cortana personal assistant



Enabling safe mode on boot

- Safe Mode needed to recover from bad drivers, virus infestation, etc.
- From elevated command prompt:
bcdedit /set {bootmgr} displaybootmenu yes
bcdedit /timeout 2
bcdedit /set {default} bootmenupolicy legacy

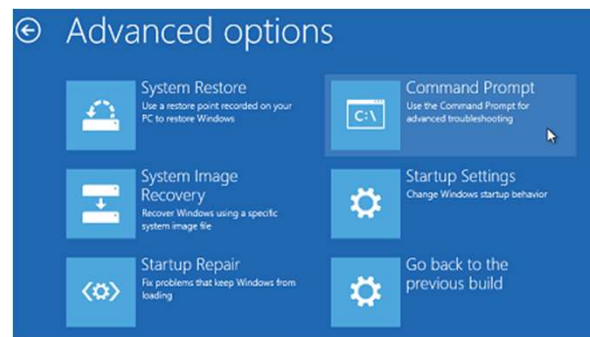
Enabling safe mode on boot

Hit F8 when you see this screen



Recovery environment

- Hold down shift key while restarting
- If can't boot, may launch automatically



Startup Settings

Press a number to choose from the options below:

Use number keys or functions keys F1-F9.

- 1) Enable debugging
- 2) Enable boot logging
- 3) Enable low-resolution video
- 4) Enable Safe Mode
- 5) Enable Safe Mode with Networking
- 6) Enable Safe Mode with Command Prompt
- 7) Disable driver signature enforcement
- 8) Disable early launch anti-malware protection
- 9) Disable automatic restart after failure

Press F10 for more options

Press Enter to return to your operating system

Windows 10 start menu customization

System image back up

- Built-in software on Windows 7,8 and 10
- Third-party software (Acronis)
- Can mirror hard drives (RAID)
 - For secondary backup only

Data back up

- Cloud backup
 - Google Drive
 - DropBox
- Local backup
 - Manual drop-and-drag
 - Third-party software (GFI)
 - Built in software in Windows 7, 8, and 10
 - Time Machine (NOT recommended)

Local or Microsoft login

- Local login
 - Easier to trouble-shoot and repair
 - Can use blank password
- Microsoft login
 - Sync with OneDrive
 - Sync with Live Mail and Outlook.com
 - Can get locked out of computer
 - Harder to trouble-shoot
 - Cannot use blank password

To learn more

My website

www.suekayton.com

click on Windows 10 update

Tom's Guide to Windows 10

<http://www.laptopmag.com/t/windows>

