







<h1>OPCUG</h1>	
 <p>Windows 10 a year out</p> <p>Chris Taylor</p> <p><i>Users helping users</i></p>	

<h2>Agenda</h2>	
<ul style="list-style-type: none"> ■ Major changes to previous versions of Windows ■ Major changes since Windows 10 release <ul style="list-style-type: none"> – New in the November Update (Nov '15) – New in the Anniversary Update (Aug '16) 	
	

<h2>Windows 10 – Success!</h2>	
<ul style="list-style-type: none"> ■ Windows 10 on over 350 million devices (June 29th) ■ Over 135 billion hours of use ■ Insiders (preview builds) <ul style="list-style-type: none"> – Over 50 PC/mobile builds since Dec 2015 – Over 18 million hours – 75 million feedback (> 5,000 improvements) 	
	

<h1>OPCUG</h1>	
 <p>Original Release</p> <p>Version 1507</p> <p>Build 10240</p> <p>Codename "Threshold 1"</p> <p><i>Users helping users</i></p>	

<h2>Security enhancements</h2>	
<ul style="list-style-type: none"> ■ Windows Hello ■ Windows Defender ■ SmartScreen Filter moved from IE to OS ■ Virtual Secure Mode ■ Secure Boot & Trusted Boot ■ Measured Boot (anti-root kit) ■ Credential Guard ■ Protected Processes 	
	

<h2>Windows Hello</h2>	
<ul style="list-style-type: none"> ■ A new way to log onto Windows <ul style="list-style-type: none"> – Facial recognition – Fingerprint reader – Iris scanner ■ Special hardware required (eg. Intel RealSense camera) ■ Enable through <i>Settings Accounts Sign-in options</i> 	
	

Start menu

- Blend of Windows 7 and 8.1
- Default includes *lots* of stuff you probably don't need or want
 - Right-click icons – *Unpin from Start*
- Add the programs you want
 - Right-click a program or shortcut
 - Choose *Pin to Start*
 - Drag and drop where you want it



Start menu (con't)

- Create Start menu groups
 - Drag icon until you get a title bar
 - Hover over title bar to rename
- Move Start menu groups
 - Drag and drop
- Resize program icons
 - Right-click icon
- Resize Start menu
 - Grab Start menu edge – drag to new size



Start menu (con't)

- Click any letter in *All Apps* to jump to a section
- Right-click Start button for fast access to good tools



Privacy settings

- Tons of misinformation
 - Windows 10 is not “spying” on you
- Most information gathering is to permit something like Cortana to function or generic, anonymized info
- To change/turn off most information gathering – *Settings | Privacy*
 - Note: some choices will reduce functionality



Cortana

- “Personal Digital Assistant”
 - Similar to *Google Now* or *Siri*
 - Help find things
 - Manage calendar
 - Dictate messages
- English
 - UK or US English only

Change my 3 PM meeting to 4

What is 3.9 litres per 100 km in miles per gallon?

Air Canada flight 103

Tell me a joke

What is 16.5 divided by 2.4?



Edge Browser

- Default browser in Windows 10
- Fast, secure, & interesting features
 - Write on pages & share them
 - Reading list
 - Reading view (get rid of distractions/ads)
 - ... a work in progress
- Choose your default browser
 - *Settings | System | Default apps*



Windows Update

- Can't turn off Windows Update
- *Settings* | *Update & Security* | *Advanced options*
 - Set *Choose how updates are installed* to *Notify to schedule restart*
 - Click *Choose how updates are delivered*
 - Turn off *Updates from more than one place* or
 - Change from *PCs on my local network and PCs on the Internet* to *PCs on my local network*



Other changes

- Taskbar
 - Show taskbar on all displays
 - Right-click taskbar | *Properties* | *Multiple Displays* section
- Snap
 - Tile up to 4 windows
- Virtual desktops
 - Optionally show programs on all desktops on Taskbar and Task View (Alt-Tab)



Other changes

- Action Centre
- Per-monitor display scaling
- Windows Store apps run on the desktop in a resizable window
- Improvements to battery management
- Scroll inactive windows
- Activation



Weird things

- Disappearing scroll bars (UWP apps)
 - Move mouse to see vertical scroll bars
- Plain white title bars
- Removed Media Center and OneDrive placeholders
- Upgrade resets many defaults
 - *Settings* | *System* | *Default apps*
- Settings vs. Control Panel



Weird things

- Windows Store:
 - “A hopeful wasteland”
- Built-in apps:
 - “reasonably usable to truly pathetic”
- WiFi Sense
 - Friends (Skype, People, or Facebook) can connect automatically to your Wi-Fi
 - You connect automatically to their Wi-Fi



OPCUG

November Update

Version 1511

Build 10586

CodeName "Threshold 2"

Users helping users

Desktop changes

- Change active window title bar colour
 - *Settings | Personalisation | Colours*
 - Turn on *Show colour on Start...*
 - Turn off *Automatically pick an accent colour...* & choose a specific colour
- Start menu
 - Can have more than 512 apps
 - Can have 4 columns of tiles
- Universal apps & tiles can have jumplists



Desktop changes

- Resizing snapped window
 - adjacent snapped window fills space
- More consistent right-click menus
 - not perfect – eg. right click desktop and right click taskbar



Unwanted desktop changes

- Advertisements on Start menu
 - *Settings | Personalization | Start*
 - Turn off *Occasionally show suggestions in Start*
- Advertising on lock screen
 - *Settings | Personalization | Lock screen*
 - Set *Background* to *Picture* or *Slideshow*, not *Windows Spotlight*
 - Turn off *Get fun facts, tips, tricks and more on your lock screen*



App changes

- Edge updates
 - tab previews
 - sync Favourites, Reading list, and settings (*Edge – Settings –*)
 - (not *Settings | Accounts | Sync your settings*)
 - Cast to a Miracast or DLNA device
- Skype and Sway universal apps
- Cortana works if logged into Windows with local account
- Windows Feedback app



Other changes

- Clean install using Win7/8 key
- Media Creation Tool uses 1511 ISO
- In-memory compression
 - less swapping to disk when memory gets low and therefore better performance.
- Find my device
 - <https://account.microsoft.com/devices>
- Automatic time zone changing



Other changes

- Can store to a different drive;
 - Universal apps (*Settings | System | Storage*)
 - Offline maps (*Settings | System | Offline maps*)
- Windows can manage default printer
 - *Settings | Devices | Printers & Scanners*



Enterprise changes

- Windows Update for Business and Windows Store for Business
- Run Hyper-V within a Hyper-V container



OPCUG

Anniversary Update

Version 1607

Build 14393

Codename "Redstone"

Users helping users

Security

- Improvements to Windows Defender
 - System tray icon
 - Schedule periodic quick scans
 - New reporting and notifications
- Windows Hello support in apps & web
- Edge – Flash content isolated outside the browser
- Edge & IE don't have access to as many Windows subsystems



Action center

- Moved to right of clock
- "Badged" icons
- Respond from notifications
- Toggle notifications on per-app basis
- More "quick actions"
- Layout customization



Start menu

- New left edge location
 - power, settings, File Explorer, profile
- Recently added apps at top of menu
- All apps now on main screen
- "Chaseable" live tiles



App changes

- Cortana
 - Available on lock screen
 - Visual & proactive reminders
 - Cross-device support
 - Can't be easily disabled
- Windows Ink
 - Expanded throughout
 - Ink Workspace for ink-enabled apps
 - Ink on lock screen
- Windows Store apps
 - Ability to reset apps



App changes

- Edge
 - Extensions
 - Pinned tabs
 - Notifications from web sites
 - Swipe to navigate
 - Ask Cortana about images
 - More compatible with web standards
 - Power management (vs. other browsers)



Accessibility changes

- Accessibility
 - Those using assistive technologies can still get free upgrade to Windows 10
 - Core Windows changes making it easier for developers to include accessibility
 - UWP apps support Mnemonics
 - eg – developer could assign a custom access key like P – user presses ALT-P to activate a purchase button



Accessibility changes

- Improved accessibility
 - Mail
 - Improved account setup when using screen reader
 - Cortana
 - More reliable search & navigation using keyboard
 - Improved high-contrast support
 - Edge
 - New accessibility architecture



Narrator changes

- Faster text to speech
- New voices
 - double # of spoken words per minute
- Support for Canadian French
- Improved keyboard navigation
- Scan mode lets you use space bar to activate an item like a link



Narrator changes

- Six levels of verbosity
 - colour, formatting, headings etc
- Control how much punctuation you hear
- AutoSuggest
 - can take advantage of automatic suggestions provided by many apps
- Feedback (Caps Lock + E + E)



Other changes

- Show a program on all desktops
- Improved display scaling
- Improved Reset
 - allows removal of junkware
- Easier to setup a Wi-Fi hotspot
- Removed in Wi-Fi Sense
 - Auto-connect to “friends” Wi-Fi (& vice-versa)
- More Control Panel items moved to Settings



Other changes

- Click on taskbar clock for view of calendar items of day
- Clock on all monitors
- Change audio source from tray icon
- Gaming
 - Xbox Play anywhere
 - Cortana support on Xbox
- Extend path limit of 260 characters
- Emoji keyboard (yes, really)



Enterprise & education changes

- Enterprise
 - Windows Defender Advanced Threat Protection
 - Windows Information Protection
- Education
 - New management tools for classroom
 - Faster login times on shared PCs
 - New generation inexpensive devices aimed at classroom



Anniversary Update Breaks

- SSD for OS and storing apps and data on an HDD
 - Try a different account & then back
 - Install latest version of 3rd party AV
- Disable Stardock Windows Blinds 10
- Fix for Surface Pro 4 CPU speed increase
- Slow boot times (no fix yet)
- Freeze during update (some work-arounds)
- USB-Webcams – dropped support for 2 stream encoding (fix coming)



OPCUG

Chris.Taylor@opcug.ca

Users helping users