

Microsoft EEAP Release Notes

What's new	Bug fixes	Known issues	Breaking changes
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These release notes describe the new features, bug fixes, known issues, and breaking changes introduced since build 17718.1000 of Windows 10 for desktop editions.

Pairing information for Windows 10 for desktop editions, build 17723.1000

This release of Windows 10 for desktop editions includes the configurations listed in the following table.

COMPONENT	BUILD NUMBER
Windows 10 for desktop editions OS	17723.1000.180720-1452
Windows Assessment and Deployment Kit (ADK)	17723
Windows Driver Kit (WDK)	17723
Enterprise Windows Driver Kit (EWDK)	17723
Windows Hardware Lab Kit (HLK)	17723
Windows 10 Software Development Kit (SDK)	17723

Key information

This section has key information required for testing the latest build.

Requirements for upgrade testing	<p>To test the user experience of upgrading a device to the latest version of Windows 10, the device must be configured for testing. There are additional configurations that must be applied to devices for upgrade testing prior to upgrading. They are the following:</p> <ol style="list-style-type: none">1. Run MSInfo32 to check the value of Secure Boot State.2. Enable Secure Boot through the BIOS menu before testing if it is not already enabled. <p>For the complete list of requirements for upgrade testing, including these new configurations, see <i>Prerequisites</i> in Windows 10 RS3 Upgrade Experience Test Guidance, available for download from Microsoft Connect.</p>
On a test computer using a publicly released OS, strong name-signing must be disabled, and additional test certificates must be installed	<p>If you are installing the Windows 10 kits on a publicly released OS (such as a version of Windows 10 in general availability, Windows 8.1, Windows 8, or Windows 7), you must disable strong name-signing and manually install two additional test certificates. To do this, perform the following installation procedure once for each test computer, using an account with administrator privileges on the controller computer:</p> <ul style="list-style-type: none">• From the KitPreInstall folder, install the TestRoot.cer and TestRoot-SHA2.cer test certificates using the following steps:<ol style="list-style-type: none">1. From the controller computer, right-click the certificate.2. Click Install Certificate.3. Click Next.4. Accept the default for the certificate store, and click Next.5. Click Finish.• From the same folder, disable strong name signing by installing the StrongNameBypass.reg and WOW64StrongNameBypass.reg registry keys, as follows:<ol style="list-style-type: none">1. From the controller computer, right-click the registry key.2. Click Merge.3. Click Run.4. Click Yes.

What's new

For information about what's new in build 17723.1000, see [Announcing Windows 10 Insider Preview Build 17723 and Build 18204](#). For information about what was new in previous builds, see the other blog posts on [Windows Insider Program](#).

Bug fixes

The bug fixes described in the following table are new in this build.

WORK ITEM	DESCRIPTION OF BUG FIX
18218555	We fixed an issue that prevented drivers for a specific family of printing devices from being installed from Windows Update.
17980152	We fixed an issue that prevented correct installation of a specific family of printers when using Mopria to locate and install the device.
17609781	We fixed an issue that could result in bordless printing being presented as an option, when printing via Mopria, for devices that do not support borderles printing for the selected page size.
15617233, 18201317	We fixed an issue that could result in an error, NULL_CLASS_PTR_READ (0xc0000005) in Distributed COM services (Rpcss.dll) due to a race condition.
17853080, 18278866	We fixed an issue that caused Cortana to not be displayed correctly when a customer used Cortana for search.

WORK ITEM	DESCRIPTION OF BUG FIX
17849097, 18218835	We fixed an issue that resulted in uncovered edges of the desktop when Cortana was supposed to be running in full-screen mode.
17780688, 18190265, 18277656	We fixed an issue that caused the order and selection of quick actions shown in Settings > Notifications & actions to possibly be different from those shown in Action Center.
18049357, 17368357	We fixed an issue that could result in a bug check error after a system has been playing back video, enters hibernation, and then resumes. On an affected system being tested, Windows Problem Reporting (WERFault.exe) could also experience heap corruption.
14306928, 16452345	We fixed an issue in Microsoft Edge that caused parts of a web page to not be rendered when a customer scrolls the page by using the mouse wheel.
17344806	We fixed the following issue: After the operating system is upgraded from Windows 10, version 1803 to a recent preview build, the receiving display in a Miracast connection may freeze.
17361567	We resolved the following issue as by design: After upgrading a tablet device to a recent preview release of the operating system, reconnection of the Bluetooth-connected pen after reactivation of Bluetooth takes longer than when the device ran Windows 10, version 1803.
17281797	We fixed the following issue: Some or all apps from the Store that are supposed to be installed by default for all users may be missing for some users. This issue may more often affect secondary accounts configured on the system than the first or primary account.

WORK ITEM	DESCRIPTION OF BUG FIX
17730797, 15853775, 17758437, 17788083, 17882192, 17788985, 17789027, 17864923	We fixed the following issue: When the desktop is set to high-contrast mode, highlighting of various UI elements might not be visible.
17955428, 15872329	We fixed the following issue: Installation of an app from the Store may hang after displaying a message about restoring user data. This issue affects recent preview release builds.
17828433, 17472386	We fixed the following issue: Notifications from music-playing apps may fail to be displayed correctly on the lock screen.
17951668	We fixed the following issue: The Settings app may crash when a system that is running a recent preview release displays System settings if the system is displaying a localized language, not American English (en-us).
17893219	We fixed the following issue: Microsoft Edge activates its rendering thread when loading the Edge Dynamic Start Page and waits for vsync for that page even when navigated to other pages. This behavior prevents the CPU from signaling to the system that it can enter a low-power state.
17552729	We fixed the following issue: When printing to a specific family of printers over Internet Printing Protocol (IPP), the pages printed might not match the pages specified in the Print dialog.
18228573	We fixed the following issue: On systems that have been upgraded to a recent preview build, right-clicking the taskbar might not open a menu, and clicking the time & date might not open the calendar.
17883640, 18205282, 18251003	We fixed issues that affected display of menu items and their commands in the Store app.

WORK ITEM	DESCRIPTION OF BUG FIX
17377143, 18219600	We fixed an issue that could cause tiles and text in the Start menu to be displayed as white rectangles.
17881611, 18217092	We fixed an issue that could cause a command window to repeatedly display the current path, and possibly a confirmation prompt, when a user enters a command for which the system prompts for confirmation, such as halting a process by pressing Ctrl+C or deleting files by using a wildcard.
17705464, 18148070	We fixed an issue that could cause Windows Security Center to display a message in Action Center about "action needed" for anti-virus or firewall software each time that a system is restarted, even after that software has been installed and activated. On an affected system, the status of the software was updated 1–2 minutes after the system starts.
17958038, 17972169, 18152929, 18163588, 18216515, 18219074, 18219751, 18234992, 18248298, 18305674	We fixed an issue that caused displays on a system that has an external monitor to show content that was overlapped, incorrectly located, and unresponsive to input.
17941935, 18086118, 18113940, 18130980, 18164557, 18191706, 18263563, 18321235	We fixed an issue that prevent drag-and-drop operations that involve the Start menu to fail after an affected system has been upgraded to a preview release of the operating system.
17934500, 18190263	We resolved an issue that could cause parts of the Cortana window to be obscured or cut off when Cortana is opened to display search results.
17851663, 18164102	We fixed an issue that caused search results and functionality to not be displayed correctly when a search is entered in the task bar.
17807807, 17208164	We fixed an issue that resulted in decreased performance of DirectX in recent preview builds.

WORK ITEM	DESCRIPTION OF BUG FIX
17720111, 18292683	We resolved issues that adversely affected how Cortana displayed search functionality.
17663380, 18145088, 18307429	We resolved an issue that could result in black rectangles overlaying the Start menu or parts of the display where the Start menu would be displayed. An affected system may have recently restarted, it may have been rotated while the Start menu was displayed, or a customer may have attempted to use Search.
17606594, 18128993	We fixed an issue that could cause the picture set as the desktop background and settings for the Start menu to not be migrated when an affected system is upgraded from Windows 10, version 1607 to a recent preview release.
17086642, 18197686	We fixed an issue that could potentially result in a crash in Desktop Windows Manager (in uDWM.dll) during verification testing.
16202166, 17553048	We resolved an issue that could prevent tabs and windows of Microsoft Edge and windows of Groove and Movies & TV from moving when a customer attempts to drag them to new locations on the desktop.
17848047, 17950866	We resolved an issue that could prevent Microsoft Edge from saving a downloaded file to a folder on a network location (rather than on the local system).
17726759, 17612393, 18117270	We resolved an issue that caused Microsoft Edge to render scalable vector graphics (SVG) images slowly or to fail to render them.

WORK ITEM	DESCRIPTION OF BUG FIX
17693656, 17944225	We resolved an issue that resulted in a system that was sending a file to another system by using Nearby Sharing to not receive notification when the transfer was cancelled on the receiving system. On an affected system, sending timed out.
18121756, 18071334, 18089555, 18122954, 18144929, 18153513, 18162824, 18164734, 18165574, 18189268, 18190411, 18191515, 18202455, 18203975, 18234973, 18236061, 18245849, 18249755, 18250012, 18251655, 18290063, 18291079, 18304484, 18129674	We fixed an issue that prevented push-button reset (PBR) from working successfully on recent preview builds of the operating system. Affected systems may report: "There was a problem resetting your PC. No changes were made."
17985825, 18235677, 18237408, 18244185, 18245086, 18289491, 18289783, 18292070, 18294086, 18307275, 18321464, 18323181	We fixed an issue that could prevent a system from successfully starting the Windows Recovery Environment (WinRE).
17776589, 18151664, 18220097	We fixed an issue that could cause a system that has been upgraded to a recent preview release of the operating system, and which has Bluetooth-connected devices that are paired with the system, to experience a bug check when Bluetooth is deactivated in Settings .
16772311, 15287072, 16615638, 16895710, 17477331, 17902644, 18136114, 18152614, 18163575, 18172903, 18203191	We fixed an issue that could cause a bug check error when the Bluetooth radio is repeatedly toggled on and off. This issue could also occur when a system resumes from a low-power state.
17987384, 18085016, 18327678	We fixed an issue that caused retail demos, available as Features on Demand (FODs), to not be installable on the versions of the operating system for which they were intended.

WORK ITEM	DESCRIPTION OF BUG FIX
16387212	We fixed an issue that could cause selection of the last item in a list box, in a Universal Windows Platform (UWP) app, to be unstable.
17662210, 18088027	We fixed an issue that prevented the MSAA settings selected by a customer from being applied when a game is running in full-screen mode.
17786309	We resolved an issue that noticeably decreased battery levels when a specific family of devices were in sleep mode.
17702624, 17568100	We resolved an issue that could prevent a customer from being able to sign in by using a fingerprint reader after an affected system has been upgraded to a more recent version of the operating system.
17356049	We resolved an issue that could cause System Restore to fail when run from the recovery software provided by the manufacturer.
16611841	We resolved an issue that prevented the Mixed Reality portal from being correctly available on systems that use a specific family of CPUs.
17699147	We resolved an issue that could prevent touch actions from being handled correctly by the Desktop Window Manager.
17640732	We resolved an issue that could cause a black box to be displayed, possibly covering the entire screen, when a customer presses the call button on a Bluetooth headset. On an affected system, the speech runtime activated Cortana.

WORK ITEM	DESCRIPTION OF BUG FIX
16539121	We fixed an issue that caused total page count to be specified as zero in the PWGRaster header when a Mopria print stream is read with random access.
17902192, 17962281, 18086464, 18279065	We resolved an issue that could cause flyout of tray icons to be covered by the task bar on an external monitor after changing the display mode from displaying only on the external monitor to duplicating the main monitor on the external monitor.
14721718	We resolved an issue that could cause the operating system to regard a USB storage device as <i>not</i> removeable after a second USB storage device is connected.
17820599	We addressed issues that result from implementation of stricter identity checks on apps that call Windows Push Notification Services (WNS), including apps that pass their entire AUMID instead of their AppID.
17425597	We addressed an issue that prevented a customer who was signed in to a user account that does not have administrator privilege from seeing an option to run an AppX package as an administrator by entering credentials.
15138958	We resolved an issue that prevented an affected system from retaining the keyboard layout selected by a customer when the system language was set to Korean.
18097157	We resolved an issue that unexpectedly caused an error when testing SD media.
18007171	We resolved an issue that could cause a bug check, SDBUS INTERNAL ERROR, on system that had a storage controller from a specific manufacturer on a system that is based on technology from another specific manufacturer.

WORK ITEM	DESCRIPTION OF BUG FIX
17976844	We resolved an issue that could cause a bug check, SDBUS_INTERNAL_ERROR (15a), to occur when copying a file from a USB drive to eMMC storage on some systems.
11132362	We resolved an issue that could cause a bug check to occur during stress testing on a device that has a controller for SD storage from a specific manufacturer.
17195849	We resolved an issue that could cause a settings slider in the UI of a third-party utility for managing power use and thermal states to acquire an unintended setting when its position is changed quickly.
17418558, 17651104, 17731783, 17755384, 18040116, 18190256, 17768333, 17188706	We resolved issues that could prevent a system from correctly enumerating devices that are connected via a USB 3.1 eXtensible Host Controller after resuming from sleep or hibernation. An affected system may have been connected to a USB-connected dock before entering a low-power state, then been disconnected, and then later reconnected to a dock and resumed to a working state.
16704223	We resolved an issue that caused DPC watchdog violation when running workload tests on a specific family of NVMe storage devices.
17987776	We revised the title of the build window for Winsock Kernel (WSK).
17613978	We resolved an issue that caused the DirectX 12 debug runtime to report an error when performing UpdateTileMethod on a buffer resource that is larger than 4 GB.

WORK ITEM	DESCRIPTION OF BUG FIX
16487325	We resolved an issue that resulted in redundant NV12 copy operations for a specific family of camera devices.
16281698, 16873344	We fixed an issue that could cause the Start menu to open but be unresponsive when a customer clicks or taps the Windows button on the task bar.
16185204	We resolved an issue that could cause the Movies & TV app to crash when attempting to play a malformed MP4 file, followed by Explorer abruptly restarting.
17723157	We resolved an issue that could cause Explorer to be unresponsive after a system resumes from sleep, preventing a user from being able to sign in.
17410727	We fixed the following issue: Some apps fail to install or update, citing the following error: 0x80073CF9-0x8007000A (ERROR_BAD_ENVIRONMENT).
18152667	We fixed the following issue: Microsoft Edge may respond inconsistently to keyboard shortcuts when Narrator is active on recent preview release builds of the operating system.

Known issues

The following known issues are new in this build, or they were not resolved in the last build.

WORK ITEM	DESCRIPTION OF KNOWN ISSUE
18314351	[NEW] After upgrading a system to a recent preview build, Windows Defender Application Guard might not work correctly.
18226584	[NEW] On systems that have been upgraded to a recent preview build, Cortana does not launch.
18096015	[NEW] Opening the Store may fail with an error (0x00000190).
17426699	[NEW] Microsoft Edge may be reset when a system is upgraded, causing loss of user settings, including favorites.
18018600	[NEW] A driver for NVM Express (NVMe) storage devices from a specific manufacturer may crash when attempting to transition a device to idle.
17985825, 18213298	On preview release build 17713, Window Recovery Environment (WinRE) is inaccessible, causing Recovery/Reset scenarios to be blocked. Reset this PC and Advanced Startup options on Settings > Update & Security > Recovery are affected and not working as designed. We expect to resolve this issue for the next release. For more information about WinRE on build 17713, see WinRE Fails in Build 17713 in the forum discussions about the Windows Insider Program.
18124043	When a system is running a recent preview release build of the operating system, the Simple Network Management Protocol (SNMP) service may add many entries to the event log, causing high CPU use by Windows Event Log.
17621303	Settings may crash when using Narrator in scan mode to navigate through options under Use braille (beta) on the Narrator page.
18087008	Microsoft Edge crashes when anti-virus software from a specific manufacturer is active on a system. The software prevents Microsoft Edge from creating certain types of processes, which results in the browser crashing.

WORK ITEM	DESCRIPTION OF KNOWN ISSUE
18081828	In Microsoft Edge, navigating forward or backward to some websites results in a message, "can't reach this page" and possibly an error: INET_E_DOWNLOAD_FAILURE.
18059721	Most apps do not launch on systems that are running preview release build 17692.
18033430	Clicking the Back button in Microsoft Edge causes a request to be re-issued, even if it has been cached.
17753003, 18083061, 18165747	The DHCP client is not deleting old gateways, which can result in stale networking state.
17827270	The network flyout, displayed by clicking the network icon in the task bar, is slow to be displayed in recent preview releases of the operating system.
12348847, 18061707	Attempting to upgrade a system from Windows 10, version 1803 to a recent preview release fails with an error (0xc000000f) in WinLoad.efi. Affected systems are based on a specific SoC architecture.
17412643	After upgrading a system to Windows 10, version 1803, fingerprint identification for Windows Hello may stop working on fingerprint readers with specific hardware IDs.
17262183	When the app for a specific streaming video service plays video while, simultaneously, Microsoft Edge plays video from a specific website, the system may experience a bug check.
17152700, 17428576	Some user-initiated installations of apps fail with an error, 0x803fb005.
14971326	A DLL for a specific anti-virus application may fail with an error, INVALID_POINTER_WRITE (0xc0000005). On an affected system, the Windows Search Indexer (SearchIndexer.exe) may seem to be involved.

WORK ITEM	DESCRIPTION OF KNOWN ISSUE
15778634	Some users dislike the size of the Hub in Microsoft Edge on Windows 10, version 1803, and they want it to be smaller or resizable.
17573302	When attempting to copy content that is rendered in Microsoft Edge to the clipboard, users may see a message about denied access.
17526868	The drives for graphics adapters from a specific manufacturer stop working on some tablet devices after upgrading to Windows 10, version 1803.
9279914	Microsoft Edge may fail with the following error: Microsoft.MicrosoftEdge_MicrosoftEdge!unknown_error_in_application -- CPP_EXCEPTION e06d7363.
17237157	All VPN profiles are deleted when a system is upgraded to a recent preview build of the operating system.
16409253	On some types of mobile devices, PLM blocks the system from entering Connected Standby for approximately 10 minutes.
16373657	The soft input panel (SIP) can become unavailable when using an app, remaining undisplayed until another app is executed.
13327794	An error, HYPERVISOR_WATCHDOG_TIMEOUT (0x1CA), may occur on some tablet devices. Affected systems may have recently resumed from Connected Standby.
15193062	Some ARM64-based mobile devices might not be able to connect to a VPN. Affected devices fail with an error message: "The VPN connection failed with error code 651."
12139737	Editing or creating policies for AppLocker can cause the MMC snap-in to crash when generated rules for a packaged app.

WORK ITEM	DESCRIPTION OF KNOWN ISSUE
14360242, 15410979	The Autoclaim functionality of how the Store distributes licenses for Minecraft cannot be managed by IT departments, and students receive licenses simply by logging in. This issue is mitigated by PowerShell modules that allow organizations to manage their licenses in bulk.
9291543, 9494017	The shell may hang while a system is entering a suspended state due to a failure to quiesce, which causes an error, MOAPPLICATION_HANG, in various applications (including OneNote).
14547335	When a user types into the address bar, Microsoft Edge may be very slow to display the characters.
11519208	An app (such as Skype) may crash because of an app fault (0x01483052) in the Microsoft.Applications.Telemetry.Windows.dll library while it accesses current app data in storage.
7228166	Microsoft SQL Server may crash because of a common language runtime (CLR) I/O file load exception (0x80131621) during the launch of sqlsqm.exe.
11487023, 13193374, 13566091	Kernel mode driver verification testing may fail because of failures in job tasks that expect a reboot, or because a timeout occurs while attempting to deploy the universal test library.

Breaking changes

No breaking changes are included in this build.