Windows Setup Command-Line Options

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The following command-line options are available for Windows Setup. Beginning with Windows 10, version 1607, you can use a setupconfig file as an alternative to passing paramters to Windows Setup on a command line. For more information, see Windows Setup Automation Overview.

setup.exe

-- Select Value --

The following table lists Setup command-line options:

Option	Description
/1394Debug:<*channel*> [**BaudRate:**<*baudrate*>]	Enables kernel debugging over an IEEE 1394 (FireW Windows is running and during the windowsPE con Windows Setup. <channel> specifies the debugging channel. The de **<channel>** is **1**. [**baudrate:**<*baudrate*>] specifies the baud to use wh transfers data during debugging. The default settin can also set the <baudrate> setting to **57600** or **11** example: `Setup /1394debug:1 /baudrate:115200`
/AddBootMgrLast	Instructs Windows Setup to add the Windows Boot last entry in the UEFI firmware boot order. This opti supported on UEFI PCs running Windows PE 4.0 or

Option	Description
/Auto {Clean | DataOnly | Upgrade}	Performs an automated upgrade to Windows 10 or volume license editions only. When /auto is used, an unattend file cannot be use When /auto is used, Windows Setup consumes ei.cf compatibility issues before starting the installation. malformed, setup exits silently and logs an exit cod **Clean**: Performs an clean install of Windows. **DataOnly**: Performs an upgrade of Windows, savinç not apps.) If the data-only installation option is not compatibility checks, Windows Setup will exit silentl code. **Upgrade**: Performs an upgrade of Windows saving the upgrade installation option is not available, or t resolve an app compatibility issue, Windows Setup and log an exit code. **Setup.exe exit codes**: See table below. **/noautoexit**: Not used in Windows 10. In Windows found, Windows Setup does not exit, but instead st the setup screen until the user addresses the issue. from that point on is attended. **/performDU**: Not used in Windows 10. In Windows Setup checks for Dynamic Updates for Windows Se Examples: `Setup /auto clean` `Setup /auto dataonly` `Setup /auto upgrade`
/BitLocker {AlwaysSuspend | TryKeepActive | ForceKeepActive}	Specifies the BitLocker status during upgrades. **AlwaysSuspend**: BitLocker is always suspended dur This is the default behavior if the **/bitlocker** option **TryKeepActive**: Attempts an upgrade without suspe If the upgrade fails, Windows Setup will suspend Bit complete the upgrade. **ForceKeepActive**: Enables upgrading without suspe the upgrade can't be completed because BitLocker upgrade will fail.
/BusParams:<*bus.device.function*>	Specifies the PCI address of a 1394, USB, or NET del device, and function numbers must be in decimal fc `Setup /busparams:0.29.7`

Option	Description
	For more info, see Setting Up Kernel Debugging wit
/CompactOS {**Enable** / **Disable**}	Specifies whether to use the Compact OS feature tc space. By default, Windows Setup determines whetl feature automatically. **Enable**: Setup installs Windows using compressed s **Disable**: Setup installs Windows using uncompresse To learn more about Compact OS, see Compact OS instancing, and image optimization. `Setup /compactos enable`
/Compat {**IgnoreWarning** / **ScanOnly**}	**IgnoreWarning**: Setup completes installation, ignor dismissible compatibility messages. **ScanOnly**: Windows Setup runs through compatibil then exits (without completing the installation) with indicate if any compatibility concerns are present. S 0xC1900210 if no concerns are found. Setup will ret compatibility concerns are found. Example: `Setup /compat IgnoreWarning` If you launch Setup with `/Compat ScanOnly`: • If it does not find any compat issue, it will retu MOSETUP_E_COMPAT_SCANONLY (0xC19002 • If it finds Actionable compat issues, like Apps, MOSETUP_E_COMPAT_INSTALLREQ_BLOCK ((

Option	Description
	• If it finds that the Mig-Choice selected is not return MOSETUP_E_COMPAT_MIGCHOICE_BL (0xC1900204) • If it finds that machine is not eligible for Winc return MOSETUP_E_COMPAT_SYSREQ_BLOCK • If it finds that machine does not have enough install, it will return MOSETUP_E_INSTALLDISK (0xC190020E) This command works with other switches. For exam in the background without any UI: `Setup /Auto Upgrade /Quiet /Compat Sca` To ignore common disclaimers in the UI, for examp changes: `Setup /Auto Upgrade /Quiet /Compat Sca IgnoreWarning` Most of the time, an Admin would like to look at th Setup found compat issues. For that the admin can logs flag to collect Setup logs: `Setup /Auto Upgrade /Quiet /Compat Sca IgnoreWarning /CopyLogs C:\Temp\Logfil` This setting is new for Windows 10.
/CopyLogs<*location*>	Setup will copy or upload logs(compressed) upon fa specified location (assuming machine/user has perm network access to location). Accepted parameters are local file paths and UNC n Note: This runs in the system context, so it may not to copy to locations that require user permissions. Example: `Setup /copylogs \\server\share\`
/Debug:<*port*> [**BaudRate:**<*baudrate*>]	Enables kernel debugging over a communications (Windows is running, and during the windowsPE cor Windows Setup. <port> specifies the debugging port. The default va 1. [**baudrate**:<baudrate>] specifies the baud to use wl

Option	Description
	transfers data during debugging. The default setting can also set the <baudrate> setting to **57600** or **11** example: `Setup /1394debug:1 /baudrate:115200`
/DiagnosticPrompt {**enable** | **disable**}	Specifies that the Command Prompt is available dur Setup. **Enable**: The Command Prompt can be accessed by Shift+F10 during Windows setup. **Disable**: The Command Prompt is not available duri setup. The Command Prompt wil not be available w OOBE phases are running. This is the default setting Example: `setup /DiagnosticPrompt enable` This setting is new for Windows 10, Version 1703.
/DynamicUpdate {**enable** | **disable**}	Specifies whether setup will perform Dynamic Upda (search, download, and install updates). Example: `setup /auto upgrade /DynamicUpdate dis`
/EMSPort: {**COM1** | **COM2** | **off**} [**/emsbaudrate**:<*baudrate*>]	Enables or disables Emergency Management Servic Windows Setup and after the server operating syste installed. The following arguments are used to spec of EMS during Windows Setup. **COM1** enables EMS over COM1. Supported for x86 **COM2** enables EMS over COM2. Supported for x86 **usebiossettings** uses the setting that the BIOS spec systems, Windows uses the value from the Serial Po Redirection (SPCR) table. If no SPCR table or EFI cor is specified in the BIOS, Windows disables **usebiossettings.usebiossettings** **off** disables EMS. If EMS is disabled in Windows Set enable EMS by modifying the boot settings. [**/emsbaudrate**:<*baudrate*>] specifies the baud to u Windows transfers data during debugging. The defa

Option	Description
	can also set the <baudrate> setting to **57600** or **11** example: `Setup /emsport:COM1 /emsbaudrate:11520`
/InstallDrivers<*location*>	Adds .inf-style drivers to the new Windows 10 insta .inf can be in a folder within the specified location. T recurse through the specified location. Accepted parameters are a local file path or UNC ne folder that contains .inf files. Example: `setup.exe /auto upgrade /installdriver` `C:\Fabrikam\drivers /noreboot` This setting is new for Windows 10.
/InstallFrom<*path*>	Specifies a different Install.wim file to use during W This enables you to use a single preinstallation envi multiple versions of Windows images. For example, bit version of Windows Setup to deploy a 64-bit Wi You can also use an answer file for cross-platform d more information, see "Creating a WIM for Multiple Types" in Windows Setup Supported Platforms and Deployments. <path> specifies the path of the .wim file to install. `Setup /installfrom D:\custom.wim` Can also be used with split image files (.swm). Selec image file in the series, for example: `Setup /installfrom D:\install.swm`
/InstallLangPacks<*location*>	Adds language packs (lp.cab) to the new Windows 1 The language packs can be in a folder within the sp The command installs all lp.cab files and language c as text-to-speech recognition, in the folder and sub specified location. Accepted parameters are a local file path or UNC ne folder that contains .inf files. `setup /auto upgrade /installlangpacks` `C:\Fabrikam\Languages\French /noreboot` This setting is new for Windows 10.

Option	Description
/m:<*folder_name*>	Instructs Setup to copy alternate files from an alterr option instructs Setup to look in the alternate locati files are present, to use them instead of the files fro location. <*folder_name*> specifies the name and the location contains the replacement files and can be any local UNC paths are not supported. You must know where the files will be installed on t installation. All the additional files must be copied t folder in your installation sources or in the <*folder_* OEM structure provides a representation of the d installation disk. For example: `$OEM$\$1` maps to %SYSTEMDRIVE%, which could be drive C. `$OEM$\$$`

Option	Description
	maps to %WINDIR%, which could be C:\windows. `$OEM$\$progs` maps to the program files directory. `$OEM$\$docs` maps to the user's My Documents folder. For example, to copy an updated C:\Program Files\Messenger\Msmsgs.exe file into the Windows create the following folder structure on the Pro\Sources\$OEM$\$Progs\Messenger\Msmsgs.ex source by using the **Setup** command: `Pro\sources\setup.exe /m` If you replace a file that Windows file protection prc also copy the updated file to the local sources to be Windows. For example, you may copy the file to the folder. The file name must be the same as the name Windows Setup. For example, add the following file structure to your OEM directory: `Pro\sources\$OEM$\$$\i386\msmsgs.ex_` If you use files that are not on an installation share, the folder name. In this example the <folder_name> C:\additional_files: `Setup /m:C:\additional_files` where C:\additional_files is your customized OEM example: `C:\additional_files\$$\i386\msmsgs.ex_` If you change resources in your replacement files, y updated Multilanguage User Interface (MUI) files to
/MigNEO Disable	Tells Windows Setup to perform an upgrade of Win additional offline phase optimizations. This option i Windows 10, version 1803 and later.
/MigrateDrivers {**all** | **none**}	Instructs Setup whether to migrate the drivers from installation during the upgrade. You can specify **All** default, Setup decides which is best for each individ on the install choice. You can use this switch with **/installdrivers**, though `Setup /auto upgrade /migratedrivers al` `Setup /auto upgrade /migratedrivers nc /installdrivers N:\NewDrivers`
/NetDebug:hostip=<*w.x.y.z*>,port=<*n*>,key=	Enables kernel debugging over the network.

Option	Description
<*q.r.s.t*>],nodhcp]],busparams=*n.o.p*]	Use hostip to identify the IP address of the host cor
	identify the port. The default start port i default end port is 65535. Use key to provide a password to set up a secure cc Use nodhcp to avoid using a DHCP connection. (op Use busparams to select the bus number, device nu function number of an adapter for a specific PCI bu (optional) Examples: `setup /netdebug:hostip=10.125.4.86,port=5000` `setup /netdebug:hostip=10.125.4.86,por key=abcdefg.123.hijklmnop.456,nodhcp` `setup /netdebug:hostip=10.1.4.8,port=5 key=dont.use.previous.keys,busparams=1` For details, see Setting Up Kernel-Mode Debugging Cable Manually.
/NoReboot	Instructs Windows Setup not to restart the compute level phase of Windows Setup completes. The **/nore** enables you to execute additional commands befor restarts. This option suppresses only the first reboot not suppress subsequent reboots. For example: `Setup /noreboot`
/PKey<*product key*>	Supplies Setup with the specific product key. Examp `setup.exe /auto upgrade /pkey xxxxx-xx xxxxx-xxxxx` This setting is new for Windows 10.
/Priority Normal	Tells Windows Setup to increase the thread priority for feature updates through Windows Update. This in Windows 10, version 1709 and later **Note**: Media installations already run at normal priority.
/PostOOBE<*location*> [**\setupcomplete.cmd**]	After Setup is complete, run a script. Accepted parameters are a local file path or UNC ne file named setupcomplete.cmd or to a folder that cc setupcomplete.cmd. `setup.exe /auto upgrade /postoobe`

Option	Description
	`setup.exe /auto upgrade /postoobe c:\Fabrikam\setupcomplete.cmd` Path to folder that contains a script with the name: **setupcomplete.cmd**: Copies setupcomplete.cmd to to be run after OOBE. `setup.exe /auto upgrade /postoobe c:\F` This setting is new for Windows 10.
/PostRollback<*location*> [**\setuprollback.cmd**] [**/postrollbackcontext {system / user}**]	If the feature update fails to install and rolls back th the user chooses to uninstall the feature update anc previous version of Windows, run a script. Accepted parameters are a local file path or UNC ne file named setuprollback.cmd, or to a folder that co setuprollback.cmd. By default, updates from media run `setuprollba` context, which requires the first user who logs in po have administrator rights. For updates from Windov `setuprollback.cmd` runs in **system** context, rega rights of the first logged-in user. The **postrollbackc** allows you to specify whether the script runs in the System account or the account of the signed in use `setup.exe /auto upgrade /postrollback c:\Fabrikam\setuprollback.cmd`

Option	Description
	Path to folder that contains a script with the name: **setuprollback.cmd**: Copies setuprollback.cmd to $V be run after OOBE. `setup.exe /auto upgrade /postrollback` `setup.exe /postrollback C:\Fabrikamsetuprollback.cmd /postroll user` `/postrollbackcontext` is new for Windows 10,
/Quiet	This will suppress any Setup user experience includi user experience. Example: `setup /auto upgrade /quiet` This setting is new for Windows 10.
/ReflectDrivers <*location*>	Specifies the path to a folder that contains encrypti computer that has third-party encryption enabled. `Setup /ReflectDrivers` This setting is new for Windows 10, version 1607. Make sure that <*folder_path*> contains only a minin encryption drivers. Having more drivers than necess <*folder_path*> can negatively impact upgrade scena
/ResizeRecoveryPartition {**Enable** / **Disable**}	Specifies whether it's OK to resize the existing Wind Environment (Windows RE) partition or create a nev installation. **Enable**: During installation, Windows can resize the RE tools partition or create a new one if needed. **Disable**: Windows does not resize the existing Winc partition or create a new one during installation. To learn more about Windows RE partitions, see UE hard drive partitions and BIOS/MBR-based hard dri `Setup /resizerecoverypartition disable`
/ShowOOBE {**full** / **none**}	**full**: Requires the user to interactively complete the experience (OOBE). **none**: Skips OOBE and selects the default settings. Example:

Option	Description
	`setup.exe /auto upgrade /showoobe full` This setting is new for Windows 10.
/Telemetry {**Enable** / **Disable**}	Specifies whether Windows Setup should capture a installation data. **Enable**: Setup captures and reports installation data **Disable**: Setup does not capture and report installat `Setup /telemetry disable`
/TempDrive <*drive_letter*>	Instructs Windows Setup to put temporary installati specified partition. For an upgrade, the **/tempdrive** only the placement of temporary files. The operatin upgraded in the partition from which you run the S The **/tempdrive** parameter is available in Windows but it is not available in earlier versions of Windows <*drive_letter*> specifies the partition to copy installa during Windows Setup. For example: `Setup /tempdrive H`
/Unattend:<*answer_file*>	Enables you to use an answer file with Windows Set as an unattended installation. You must specify a va <*answer_file*>. Windows Setup applies the values in during installation. <*answer_file*> specifies the file path and file name c Windows Setup answer file. `When /Unattend is used, /Auto cannot b` `Setup /unattend:\server\share\unattenc`
/Uninstall {**enable** / **disable**}	Determines whether Windows will include controls user to go back to the previous operating system. This setting is new for Windows 10. `Setup /uninstall disable`
/USBDebug:<*hostname*>	Sets up debugging on a USB port. Debug data is eff next reboot. <hostname> specifies the name of the computer tc example: `Setup /usbdebug:testmachine01`
/WDSDiscover	Specifies that the Windows Deployment Services (W be in discover mode. If you do not specify **/wdsserver** with this option, W server. For example, to start the WDS client in this c

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	server. For example, to start the WDS client in this d mode, run the following command: `Setup /wds /wdsdiscover`
/WDSServer:<*servername*>	Specifies the name of the Windows Deployment Se the client should connect to. To use this setting, you must also use the `/wdsdis` <*servername*> can be an IP address, a NetBIOS nam qualified domain name (FQDN). For example, to sta Deployment Services client in this static discover mo following command: `Setup /wds /wdsdiscover /wdsserver:MyW`

Setup.exe exit codes

Exit code name	Exit code	Cause
CONX_SETUP_EXITCODE_CONTINUE_REBOOT	0x3	This upgrade was successful.
CONX_SETUP_EXITCODE_RESUME_AT_COMPAT_REPORT	0x5	The compatibility check detected issues that require resolution before the upgrade can continue.
CONX_SETUP_EXITCODE_AUTO_INSTALL_FAIL	0x7	The installation option (upgrade or data only) was not available.

Related topics

Windows Setup States

Windows Setup Edition Configuration and Product ID Files (EI.cfg and PID.txt)

Windows Setup Log Files and Event Logs