Rules of the road for safe patching

Monthly **security patches** ship on the **second Tuesday** of each month (Patch Tuesday).

For all versions of Windows, **defer them for at least 15 days**. That should give Microsoft time to identify and fix any significant oopses.
The exception is the rare urgent threat — in which case, we'll tell you to install an update sooner than later. (Check out our AskWoody.com posts on the days following Patch Tuesday.)
Another exception: Security patches may also contain nonsecurity fixes. In some cases, you might want to install a security update sooner when it includes a feature fix you really need.

Microsoft also sends out **preview updates,** typically on the **third Tuesday** of each month. They are completely optional, and we recommend skipping them. We will list them in the next Patch Watch column following their release because Microsoft typically doesn't label them as previews (bad

Updates can be deferred on Window 10 Pro and above. If you're running Win10 Home, we recommend upgrading to Pro.

Ensure that **Windows 7's** patch-update setting are set to download or check for updates, but **don't automatically install them.** It's your best defense against problematic patches.

Other rules

Never install hardware drivers -- unless you get them from the computer's manufacturer

Never install an update to a newer version of .NET. Let your applications set the .NET versions they need

Version 1903

Notes: 1) Test only at this time, do not install on production machines.

2) If you do not see deferral options, you may need to use group policy editor to defer quality updates
    See: https://www.thewindowsclub.com/set-period-defer-upgrades-updates-windows-10

3) Set quality update to defer for at least 15 days.

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4509096	7/9/2019	Defer		Servicing stack	
4506991	7/9/2019	Defer		Cumulative Update for .NET Framework 3.5 and 4.8 for Windows 10 Version 1903	
4507543	7/9/2019	Defer		July update	Windows sandbox may not start if you changed OS language
4501375	6/27/2019	Optional		Preview	Not pushed out automatically
4506933	6/27/2019	Conditional		Servicing-stack update	Install now only if you install the above preview update
4503308	6/11/2019	Defer		Monthly Adobe Flash update	
4503293	6/11/2019	Defer		June update	Windows sandbox may not start if you changed OS language
4497935	5/29/2019	Optional		Preview	Not pushed out automatically
4495620	5/14/2019	Install		.NET 4.8 security update	

Version 1809/Server 2019

Sheet updated:	7/9/2019
>>>>	Should be installed as of June 20
Known issues page:	https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1809-and-windows-server-2019

Notes: 1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it

2) Servicing-stack updates are generally mandatory

3) Set quality update to defer for at least 15 days.

	PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
	4509095	7/9/2019	Defer		Servicing stack update	Fixes issues with bitlocker and secure boot
	4506998	7/9/2019	Defer		Cumulative Update for .NET Framework 3.5 and 4.7.2	
	4506990	7/9/2019	Defer	Need if 4.8 installed	Cumulative Update for .NET Framework 3.5 and 4.8	
	4507469	7/9/2019	Defer		Win10 cumulative update	
	4501371	6/18/2019	Defer		Preview update	Fixes issues with Bluetooth pairing
>>>>	4504369	6/11/2019	Install		Servicing Stack	Will be installed automatically if you use Windows update
>>>>	4503308	6/11/2019	Install		Monthly Adobe Flash update	
>>>>	4503327	6/11/2019	Install		Win10 cumulative update	May have issues printing from Edge
>>>>	4499728	5/14/2019	Mandatory		Servicing Stack	Will be installed automatically if you use Windows update
	4497934	5/21/2019	Optional		Preview update	
	4505056	5/19/2019	Optional		Fix for UK-sites issue	
	4494441	5/14/2019	Installed		Win10 cumulative update	Has issues with UK sites
	4497932	5/14/2019	Installed		Montly Adobe Flash update	
	4495590	5/14/2019	Installed		.NET 4.7.2 and 3.5 update	
	4495618	5/14/2019	Optional		.NET 4.8	Install only if needed
	4493509	4/9/2019	Installed	Several, none appear to be deal breakers at this time	Windows 10 1809 and Server 2019	Various issues
	4490480	4/9/2019	Installed		Windows 1809 compat	Compat issues to upgrade to 1903
	4493510	4/9/2019	Installed		1809 Servicing stack update	Fixing device drivers may not properly load
	4493478	4/9/2019	Installed	Install	Monthly Adobe Flash Player update	Flash security patch
	4489899	3/12/2019	Installed		Windows 10 1809 and Server 2019	Several, none appear to be deal breakers at this time
	4482887	3/1/2019	Optional		Fixes Access 95 issues	Fixes Access 95 issues
	4489907	3/12/2019	Installed	Install	Monthly Adobe Flash Player update	Flash security patch

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Version 1809/Server 2019

Sheet updated:	7/9/2019				
>>>>	Should be installed as of June 20				
Known issues page:	https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1809-and-windows-server-2019				

Notes: 1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it

2) Servicing-stack updates are generally mandatory

3) Set quality update to defer for at least 15 days.

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4487044	2/12/2019	Installed			Applications that use a Microsoft Jet database with the Microsoft Access 95 file format may randomly stop working. And after installing this update, Internet Explorer may fail to load images with a backslash (\) in their relative source path.
4487038	2/12/2019	Installed	Yes	Windows 10 1809 and Server 2019 Adobe Flash	Security
4476976	1/22/2019	Optional		Win10 Preview	Fixes issues with Access – hold for now
4480116	1/8/2019	Installed		Win10 Update	Bug in edge – you may not notice it. I've not seen issues
4480979	1/8/2019	Installed	Not security	Flash update	Bug fix only

Version 1803

Sheet updated: 7/9/2019

>>>> Should be installed as of June 20

Known issues page: https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1803

Notes: 1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it

2) Servicing-stack updates are generally mandatory

3) Set quality update to defer for at least 15 days.

4) I'm in the process of testing Version 1903, and I'll probably move to it in July if everything looks good.

5) I'm still on Version 1803 in the office.

	PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
	4509094	7/9/2019	Defer		Servicing stack	
	4506989	7/9/2019	Defer	Need if 4.8 installed	Cumulative Update for .NET Framework 4.8 for Windows 10 Version 1803	
	4507435	7/9/2019	Defer		Win10 cumulative update	
	4503288	6/18/2019	Defer	Preview update	Win10 cumulative update	If you get a black screen on boot, To mitigate this issue, press Ctrl+Alt+Delete, then select the Power button in the lower right corner of the screen and select Restart. Your device should now restart normally.
>>>>	4503308	6/11/2019	Install		Monthly Adobe Flash update	
>>>>	4503286	6/11/2019	Install		Win10 cumulative update	Enterprise-only bug: Renaming issues on Cluster volumes
	4499183	5/21/2019	Optional		Win10 Preview	Won't be pushed to workstations.
	4505064	5/19/2019	Optional		Win10 update	Fixes issues with UK sites
>>>>	4497398	5/14/2019	Mandatory		Servicing Stack	Will be installed automatically if you use Windows update
	4499167	5/14/2019	Installed		Win10 cumulative update	Has issues with UK sites
	4497932	5/14/2019	Installed		Monthly Adobe Flash update	
	4495616	May 2019	Optional		.NET 4.8 security update	Install only if needed
	4493437	4/25/2019	Optional		Win10 Preview	Japanese era fixes
	4493464	4/9/2019	Installed		Win10 update	Several, none appear to be deal breakers at this time
	4493478	4/9/2019	Installed		Monthly Adobe Flash Player update	Flash security patch
	4489894	3/19/2019	Optional		Win10 Preview	Fixes several issues including "Stop 0x133" in NTFS.sys
	4489868	3/12/2019	Installed		Win10 update	Several, none appear to be deal breakers at this time
	4489907	3/12/2019	Installed	Install	Monthly Adobe Flash Player update	Flash security patch
	4487029	2/19/2019	Optional		Win10 Preview	Fixes Access 95 issues

Version 1803

Sheet updated: 7/9/2019

>>>> Should be installed as of June 20

Known issues page: https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1803

Notes: 1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it

2) Servicing-stack updates are generally mandatory

3) Set quality update to defer for at least 15 days.

4) I'm in the process of testing Version 1903, and I'll probably move to it in July if everything looks good.

5) I'm still on Version 1803 in the office.

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4487017	2/12/2019	Installed		Win10 update	Same as above
4487038	2/12/2019	Installed	Yes	Adobe Flash	Security
4480976	1/15/2019	Optional		Win10 Preview	Bug in edge – you may not notice it. I've not seen issues
4480966	1/8/2019	Installed		Win10 update	Bug in edge – you may not notice it. I've not seen issues
4480979	1/8/2019	Installed	Not security	Flash update	Bug fix only

Version 1709

Sheet updated: 7/9/2019

>>>> Should be installed as of June 20

Known issues page: https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1709

Notes: 1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it

2) Servicing-stack updates are generally mandatory

3) Set quality update to defer for at least 15 days.

4) Final WU updates were on April 2019, should be used only in businesses that do not use Windows Update

5) You should be actively testing 1903.

	PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
	4509093	7/9/2019	Defer		Servicing stack	
	4506988	7/9/2019	Defer	Need if 4.8 installed	Cumulative Update for .NET Framework 4.8 for Windows 10 Version 1709	
	4507455	7/9/2019	Defer		Win10 cumulative update	
	4503281	6/19/2019	Defer	Preview update	Win10 cumulative update	
>>>>	4503308	6/11/2019	Install		Monthly Adobe Flash update	Normal flash update
>>>>	4503284	6/11/2019	Install		Win10 cumulative update	Enterpris- only bug: Renaming issues on Cluster volumes
	4499147	5/28/2019	Optional		Win10 Preview	Won't be pushed to workstations.
	4505062	5/19/2019	Optional		Win10 Update	Fixing issues with UK sites
>>>>	4500641	5/14/2019	Mandatory		Servicing -stack	Will be installed automatically if you use Windows update
	4499179	5/14/2019	Installed		Win10 cumulative update	Has issues with UK sites
	4497932	5/14/2019	Installed		Monthly Adobe Flash update	
	4495613	5/14/2019	Optional		.NET 4.8 security update	Do not install unless needed
	4493440	4/25/2019	Optional		Win10 Preview	Japanese era fixes
	4493441	4/9/2019	Installed		Win10 Update	Several, none appear to be deal breakers at this time
	4493478	4/9/2019	Installed		Monthly Adobe Flash Player update	Flash security patch
	4489890	3/19/2019	Optional		Win10 Preview	Fixes several issues including "Stop 0x133" in NTFS.sys
	4489886	3/12/2019	Installed		Win10 Update	Several, none appear to be deal breakers at this time
	4489907	3/12/2019	Installed	Install	Monthly Adobe Flash Player update	Flash security patch
	4487021	2/19/2019	Optional		Fixes Access 95 issues	Fixes Access 95 issues
	4486996	2/12/2019	Installed	Ok if you don't have ,	Same as above	Same as above

Version 1709

Sheet updated: 7/9/2019

>>>> Should be installed as of June 20

Known issues page: https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1709

Notes: 1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it

2) Servicing-stack updates are generally mandatory

3) Set quality update to defer for at least 15 days.

4) Final WU updates were on April 2019, should be used only in businesses that do not use Windows Update

5) You should be actively testing 1903.

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4487038	2/12/2019	Installed	Yes	Adobe Flash	Security
4480967	1/15/2019	Optional		Win10 Preview	Bug in edge – you may not notice it. I've not seen issues
4480978	1/8/2019	Installed		Win10 Update	Bug in edge – you may not notice it. I've not seen issues
4480979	1/8/2019	Installed	Not security	Flash update	Bug fix only

Version 1703

Sheet updated:	7/9/2019				
>>>>	Should be installed as of June 20				
Known issues page:	https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1703				
Notes:	1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it				
	2) Servicing-stack updates are generally mandatory				
	3) Set quality update to defer for at least 15 days.				
	4) This version no longer receives patches via Window Update				
	5) You should be actively testing 1903.				

	PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
	4509092	7/9/2019	Defer		Servicing stack	
	4506987	7/9/2019	Defer		Cumulative Update for .NET Framework 4.8 for Windows 10 Version 1703	
	4507450	7/9/2019	Defer		Win10 cumulative update	
	4503289	6/18/2019	Defer	Preview update	Win10 cumulative update	
>>>>	4503308	6/11/2019	Install		Monthly Adobe Flash update	
>>>>	4503279	6/11/2019	Install		Win10 cumulative update	Enterprise-only bug: Renaming issues on Cluster volumes
	4499162	5/28/2019	Optional		Win10 Preview	
	4505055	5/19/2019	Optional		Win10 update	Fixing issues with UK sites
>>>>	4500640	5/14/2019	Mandatory		Servicing-stack update	Will be installed automatically if you use Windows update
	4499181	5/14/2019	Installed		Win10 cumulative update	Has issues with UK sites
	4497932	5/14/2019	Installed		Monthly Adobe Flash update	
	4495611	5/14/2019	Optional		.NET 4.8 security update	Don't install unless needed
	4493436	4/25/2019	Optional		Win10 Preview	Japanese era
	4493474	4/9/2019	Installed		Win10 update	Several, none appear to be deal breakers at this time
	4493478	4/9/2019	Installed		Monthly Adobe Flash Player updat	Flash security patch
	4489888	3/19/2019	Optional		Win10 Preview	Fixes several issues including "Stop 0x133" in NTFS.sys
	4489871	3/12/2019	Installed		Win10 update	Several, none appear to be deal breakers at this time
	4489907	3/12/2019	Installed	Install	Monthly Adobe Flash Player updat	Flash security patch
	4487011	2/19/2019	Optional		Win10 Preview	Fixes Access 95 issues
	4487020	2/12/2019	Installed		Win10 update	Same as above

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Version 1703

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4487038	2/12/2019	Installed	Yes	Adobe Flash	Security
4480959	1/15/2019	Optional		Win10 Preview	Bug in edge – you may not notice it. I've not seen issues
4018124	1/8/2019	Installed		Win10 update	Bug in edge – you may not notice it. I've not seen issues
4480979	1/8/2019	Installed	Not security	Flash update	Bug fix only

Version 1607 (and Server 2016)

Sheet updated:	7/9/2019
>>>>	Should be installed as of June 20
Known issues page:	https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1607-and-windows-server-2016
Notes:	1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it
	2) Servicing-stack updates are generally mandatory
	3) Set quality update to defer for at least 15 days.
	4) This version no longer receives patches via Window Update
	5) You should be actively testing 1903.

	PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
	4509091	7/9/2019	Defer		Servicing stack	
	4506986	7/9/2019	Defer		Cumulative Update for .NET Framework 4.8 for Windows 10 Version 1607	
	4507460	7/9/2019	Defer		Windows 10 cumulative update	
	4503294	6/18/2019	Defer	Preview update	Windows 10 cumulative update	
>>>>	4503537	6/11/2019	Install		Servicing -stack update	Will be installed automatically if you use Windows update
>>>>	4503308	6/11/2019	Install		Monthly Adobe Flash Player update	
>>>>	4503267	6/11/2019	Install		Windows 10 1607 June update	Issues with Bitlocker: (More info)
	4499177	5/23/2019	Optional		Win10 Preview update	Won't be pushed to workstations.
	4505052	5/19/2019	Optional		Windows 10 1703	Fixes issues with UK sites
	4498947	5/14/2019	Mandatory		Servicing Stack	Will be installed automatically if you use Windows update
	4494440	5/14/2019	Installed		Windows 10 1703	Has issues with UK sites
	4497932	5/14/2019	Installed		Monthly Adobe Flash Player update	Normal flash update
	4495610	5/14/2019	Optional		.NET 4.8 security update	Install only if needed
	4493473	4/25/2019	Optional		Win10 Preview update	Japanese era
	4493470	4/9/2019	Installed		Windows 10 1703	Several, none appear to be deal breakers at this time
	4493478	4/9/2019	Installed		Monthly Adobe Flash Player update	Flash security patch
	4489889	3/19/2019	Optional		Win10 Preview update	Fixes several issues including "Stop 0x133" in NTFS.sys
	4489882	3/12/2019	Installed		Windows 10 1703	Several, none appear to be deal breakers at this time
	4489907	3/12/2019	Installed	Install	Monthly Adobe Flash Player update	Flash security patch
	4487006	2/19/2019	Optional		Win10 Preview update	Fixes Access 95 issues
	4487026	2/12/2019	Installed		Windows 10 1703	May have bsod on vm hosts
	4487038	2/12/2019	Installed	Yes	Adobe Flash	Security

Version 1607 (and Server 2016)

Sheet updated: 7/9/2019

>>>> Should be installed as of June 20

Known issues page: https://docs.microsoft.com/en-us/windows/release-information/status-windows-10-1607-and-windows-server-2016

Notes: 1) I don't recommend installing .NET 4.8 unless your line-of-business product needs it

2) Servicing-stack updates are generally mandatory

3) Set quality update to defer for at least 15 days.

4) This version no longer receives patches via Window Update

5) You should be actively testing 1903.

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4480977	1/17/2019	Optional		Win10 Preview update	Bug in edge – you may not notice it. I've not seen issues
4480961	1/8/2019	Installed		Windows 10 1703	Bug in edge – you may not notice it. I've not seen issues
4480979	1/8/2019	Installed	Not security	Flash update	Bug fix only