

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 dog!).

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

Windows 8.1 / Server 2012 R2

Sheet updated: 7/26/2019

>>> Should be installed as of July 26th

Known issues page: <https://docs.microsoft.com/en-us/windows/release-information/status-windows-8.1-and-windows-server-2012-r2>

- Notes: 1) For any scan for updates delays follow: <http://wu.krelay.de/en/>
 2) Servicing-stack updates are generally mandatory (check the list)
 3) If you install the security-only update, you also need to install the companion IE update

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	INSTALL NOTES
4507463	7/16/2019	Defer	Preview update	Monthly rollup		
>>> 4504418	7/9/2019	Install		Servicing stack		
>>> 4507448	7/9/2019	Install		Monthly rollup	Pick rollup or security only	
>>> 4507457	7/9/2019	Install		Security-only	Pick rollup or security only	
>>> 4507434	7/9/2019	Install		Internet Explorer	Install with security-only update	
>>> 4507422	7/9/2019	Install	Rollup	NET Framework 3.5, 4.5.2, 4.6, 4.6.1, 4	Pick rollup or security only	
>>> 4507413	7/9/2019	Install	Security only	NET Framework 3.5, 4.5.2, 4.6, 4.6.1, 4	Pick rollup or security only	
4054566	7/10/2018	Optional		.NET 4.7.2		
4503867	6/20/2019	Optional		Preview of .NET update		
4508646	6/20/2019	Defer	Catalog only	Internet explorer	Addresses an issue that causes Internet Explorer 11 to stop working when it opens or interacts with Scalable Vector Graphics (SVG) markers,	
4508773	6/20/2019	Defer	Catalog only	Fix for Event viewer crashing		
4503283	6/20/2019	Defer	Preview update	Monthly rollup		
4503276	6/11/2019	Installed		Monthly rollup		
4503290	6/11/2019	Installed		Security-only		
4503259	6/11/2019	Installed		Internet Explorer	May have issues with Power BI reports	
4503308	6/11/2019	Installed		Monthly Adobe Flash update		
4499182	5/29/2019	Optional		Preview		Time zone updates for Morocco, Japanese date bug fixes
4505050	5/18/2019	Optional	Pushed to UK sites	Internet Explorer	Fixes for UK site issues	Will need a reboot
4499151	5/14/2019	Installed		Monthly rollup		
4499165	5/14/2019	Installed		Security-only		
4498206	5/14/2019	Installed		Internet Explorer	Install with security-only update	
4497932	5/14/2019	Installed		Monthly Adobe Flash update		
>>> 3173424	2/3/2017	Mandatory		Servicing Stack		
4493443	4/25/2019	Optional		Windows 8.1 update rollup preview	Japanese era fixes	
4493446	4/9/2019	Installed		Windows 8.1 update rollup	Tracking side effects with Avast/McAfee/Avira	
4493467	4/9/2019	Installed		Windows 8.1 security only	Tracking side effects with Avast/McAfee/Avira	
4493435	4/9/2019	Installed		Internet Explorer	No earth shattering side effects	
4489907	4/9/2019	Installed		Flash	No earth shattering side effects	
4489893	3/19/2019	Optional		Windows 8.1 preview	Fixes several issues	
4489881	3/12/2019	Installed		Windows 8.1 (Update rollup)	No earth shattering side effects	
4489883	3/12/2019	Installed		Windows 8.1 security only	No earth shattering side effects	
4489873	3/12/2019	Installed		Internet Explorer	No earth shattering side effects	
4489907	3/12/2019	Installed		Flash	No earth shattering side effects	
4487016	2/19/2019	Optional		Windows 8.1 preview	Fixes Access 95 issues	
4487000	2/12/2019	Installed		Windows 8.1 (Update rollup)	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	
4487028	2/12/2019	Installed		Windows 8.1 security only	Same as above	
4486474	2/12/2019	Installed		Internet Explorer	None at this time	
4487038	2/12/2019	Installed		Flash	None at this time	
4480969	1/15/2019	Optional		Windows 8.1 preview	Access 97 issues still there	
4480963	1/8/2019	Installed		Windows 8.1 monthly rollup	issues with Access 97 databases	
4480964	1/8/2019	Installed		Windows 8.1 security only	issues with Access 97 databases	
4480965	1/8/2019	Installed		Internet Explorer	None at this time	

Windows Server 2012

Sheet updated: 7/26/2019

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Known issues page: <https://docs.microsoft.com/en-us/windows/release-information/status-windows-server-2012>

- Notes:** 1) Servicing-stack updates are generally mandatory (check below)
 2) For deferred updates: Unless noted, not tracking any significant issues.
 3) If you have issues getting updates installed, install the flash update FIRST, all by itself, and then manually install the cumulative update.

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	GENERAL NOTES
4507447	7/16/2019	Defer	Preview update	Monthly rollup		
>>>> 4504418	7/9/2019	Install		Servicing stack		
>>>> 4507462	7/9/2019	Install		Monthly rollup	Pick one or the other	
>>>> 4507464	7/9/2019	Install		Security-only	Pick one or the other	
>>>> 4507434	7/9/2019	Install		Internet Explorer	Install with security-only update	
>>>> 4507421	7/9/2019	Install		NET Framework: Quality and security r	Pick one or the other	
>>>> 4507412	7/9/2019	Install		NET Framework : Security only	Pick one or the other	
4508646	6/20/2019	Defer	Catalog only	Internet explorer		Fixes IE/Power BI conflict
4503295	6/20/2019	Defer	Preview update	Monthly rollup		
4503263	6/11/2019	Install		Monthly rollup		
4503285	6/11/2019	Install		Security-only		
4503259	6/11/2019	Install		Internet Explorer	Install with security-only update	May have issues with Power BI reports
4503308	6/11/2019	Install		Monthly Adobe Flash update		
4499145	5/23/2019	Optional		Previews		Time zone updates for Morocco, Japanese date bug fixes
4505050	5/18/2019	Optional	Pushed to UK sites	Internet Explorer	Fixes for UK site issues	Will need a reboot
4499171	5/14/2019	Installed		Monthly rollup		
4499158	5/14/2019	Installed		Security-only		
4498206	5/14/2019	Installed		Internet Explorer	Install with security-only update	
4497932	5/14/2019	Installed		Monthly Adobe Flash update		
3173426	7/12/2016	Mandatory		Servicing Stack		
4493462	4/25/2019	Optional		Server 2012 rollup	No earth shattering side effects	
4493450	4/9/2019	Installed		Server 2012 rollup	Tracking side effects with Avast/McAfee/Avira/Sophos	
4493451	4/9/2019	Installed		Server 2012 security only	Tracking side effects with Avast/McAfee/Avira/Sophos	
4489873	4/9/2019	Installed		Internet Explorer	No earth shattering side effects	
4489920	3/19/2019	Optional		Windows 2012 preview	Fixes several issues	
4489891	3/12/2019	Installed		Server 2012 rollup	No earth shattering side effects	
4489884	3/12/2019	Installed		Server 2012 security only	No earth shattering side effects	
4489873	3/12/2019	Installed		Internet Explorer	No earth shattering side effects	

Windows Server 2012

Sheet updated: 7/26/2019

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Known issues page: <https://docs.microsoft.com/en-us/windows/release-information/status-windows-server-2012>

Notes: 1) Servicing-stack updates are generally mandatory (check below)

2) For deferred updates: Unless noted, not tracking any significant issues.

3) If you have issues getting updates installed, install the flash update FIRST, all by itself, and then manually install the cumulative update.

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	GENERAL NOTES
4487024	2/19/2019	Optional		Windows 2012 update rollup preview	Fixing Access issues	
4487025	2/12/2019	Installed		Windows 2012 update rollup	Applications that use a Microsoft Jet database with the Microsoft Access 95 file format may randomly stop working.	
4486993	2/12/2019	Installed		Windows 2012 security only	Applications that use a Microsoft Jet database with the Microsoft Access 95 file format may randomly stop working.	
4486474	2/12/2019	Installed		Internet Explorer	None at this time	
4487038	2/12/2019	Installed		Adobe Flash	None at this time	
4480971	1/15/2019	Optional		Windows Server 2012 preview	Access 97 issues still there	
4480975	1/8/2019	Installed		Windows Server 2012 monthly rollup	issues with Access 97 databases	
4480972	1/8/2019	Installed		Windows Server 2012 security only	issues with Access 97 databases	
4480965	1/8/2019	Installed		Internet Explorer	None at this time	

Windows 7 / Server 2008 R2

Sheet updated: 7/26/2019

>>>> Should be installed as of July 26th

Known issues page: <https://docs.microsoft.com/en-us/windows/release-information/status-windows-7-and-windows-server-2008-r2-sp1>

Notes: [1\) For any scan for updates delays, follow: http://wu.krelay.de/en/](http://wu.krelay.de/en/)

2) Servicing-stack updates are generally mandatory (check list below)

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4507437	7/16/2019	Defer	Preview release	Monthly rollup	
>>>> 4507449	7/9/2019	Install		Monthly rollup	Pick one or the other
>>>> 4507456	7/9/2019	Install		Security-only	Pick one or the other
>>>> 4507434	7/9/2019	Install		Internet Explorer	Install with security-only update
>>>> 4507420	7/9/2019	Install		NET Framework 3.5, 4.5.2, 4.6,	Pick one or the other
>>>> 4507411	7/9/2019	Install		NET Framework 3.5, 4.5.2, 4.6,	Pick one or the other
4508646	6/20/2019	Defer	MS Update Catalog only	Internet explorer	Addresses an issue that causes Internet Explorer 11 to stop working when it opens or interacts with Scalable Vector
4508772	6/20/2019	Defer	MS Update Catalog only	Fix for Event viewer crashing	
4503277	6/20/2019	Defer	Preview release	Monthly rollup	
4503292	6/11/2019	Install		Monthly rollup	Not tracking any major issues
4503269	6/11/2019	Install		Security-only	Not tracking any major issues
4503259	6/11/2019	Install		Internet Explorer	Install with security-only update
Adobe 19-30	6/11/2019	Install if needed		Monthly Adobe Flash update	May have issues with Power BI reports
4499178	5/23/2019	Optional		Win7 Preview	Windows 7 update rollup preview
4505050	5/18/2019	Optional	Pushed to UK sites	Internet Explorer	Fixes UK site issues
4499164	5/14/2019	Installed		Monthly rollup	Time zone updates for Morocco, Japanese date bug fixes
4499175	5/14/2019	Installed		Security-only	Will need a reboot
4498206	5/14/2019	Installed		Internet Explorer	Install with security-only update
Adobe 19-26	5/14/2019	Install if needed		Monthly Adobe Flash update	
>>>> 4490628	3/12/2019	Mandatory		Servicing Stack	
4493453	4/25/2019	Optional		Windows 7 rollup	Japanese era fixes
4493448	4/9/2019	Installed		Windows 7 security only	Tracking side effects with Avast/McAfee/Avira/Sophos
4493472	4/9/2019	Installed		Windows 7 rollup	Tracking side effects with Avast/McAfee/Avira/Sophos
4493435	4/9/2019	Installed		Internet Explorer	None earth shattering
4493132	4/4/2019	DO NOT install		Windows 7 end of life notification	
4489892	3/19/2019	Optional		Windows 7 preview	Various issues
4489878	3/12/2019	Installed		Windows 7 rollup	Various security issues
4489885	3/12/2019	Installed		Windows 7 security only	Various security issues

Windows 7 / Server 2008 R2

Sheet updated: 7/26/2019

>>>> Should be installed as of July 26th

Known issues page: <https://docs.microsoft.com/en-us/windows/release-information/status-windows-7-and-windows-server-2008-r2-sp1>

Notes: [1\) For any scan for updates delays, follow: http://wu.krelay.de/en/](http://wu.krelay.de/en/)

2) Servicing-stack updates are generally mandatory (check list below)

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES
4489873	3/12/2019	Installed		Internet Explorer	Various security issues
4490628	3/12/2019	Installed		Windows 7	Servicing stack for SHA-2
4486565	2/19/2019	Optional		Windows 7 update rollup (A)	Fixes Access issue 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.
4486563	2/12/2019	Installed		Windows 7 update rollup	
4486564	2/12/2019	Installed		Windows 7 security only (B)	Same as above
4486474	2/12/2019	Installed		Internet Explorer	None at this time
4480955	1/15/2019	Optional		Windows 7 preview update	Fixes issue with help menus Fixes bug with NTFS/RDP to another machine
4487345	1/11/2019	Installed		HotFix for NTFS issues/RDP in v in workgroup	
4480970	1/8/2019	Installed		Windows 7 monthly rollup	Security update
4480960	1/8/2019	Installed		Windows 7 security update	Security update
4480965	1/8/2019	Installed		Internet Explorer	Security update

Windows 2008 SP2						
Sheet updated:		7/26/2019				
>>>		Should be installed as of July 26th				
Known issues page:		https://docs.microsoft.com/en-us/windows/release-information/status-windows-server-2008-sp2				
Notes:		1) For any scan for updates delays, remember to follow: http://wu.krelay.de/en/ 2) Servicing-stack updates are generally mandatory (check list below)				
PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	GENERAL NOTES
4507451	7/16/2019	Defer	Preview release	Monthly rollup		
>>>> 4507449	7/9/2019	Install		Monthly rollup	Pick one or the other	
>>>> 4507456	7/9/2019	Install		Security-only	Pick one or the other	
>>>> 4507434	7/9/2019	Install		Internet Explorer	Install with security-only update	
>>>> 4507423	7/9/2019	Install		NET Framework 3.5, 4.5.2, 4.6 f	Pick one or the other	
>>>> 4507414	7/9/2019	Install		NET Framework 3.5, 4.5.2, 4.6 f	Pick one or the other	
4508646	6/20/2019	Defer	Catalog only	Internet explorer	Addresses an issue that causes Internet Explorer 11 to stop working when it opens or interacts with Scalable Vector Graphics (SVG) markers, including Power BI line charts with markers	
4503271	6/21/2019	Defer	Preview release	Monthly rollup		
4503273	6/11/2019	Install		Monthly rollup		
4503287	6/11/2019	Install		Security-only		
4503259	6/11/2019	Install		Internet Explorer	May have issues with Power BI reports	
4474419	6/11/2019	Install	Re-released: MSI-file issues	SHA-2 code signing		
4499178	5/23/2019	Optional		Preview		Time zone updates for Morocco, Japanese date bug fixes
4505050	5/18/2019	Optional		Internet Explorer	Fixes for UK sites	Will need a reboot
4499164	5/14/2019	Installed		Monthly rollup		
4499175	5/14/2019	Installed		Security-only		
4498206	5/14/2019	Installed		Internet Explorer		
>>>> 4490628	3/12/2019	Mandatory		Servicing Stack		