

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 Windows 10 Pro and above. If you're running Windows 10 Home, we recommend upgrading to Pro.

Ensure that **Windows 7's** patch-update settings 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: 10/3/2019

>>>> Should be installed as of October 3rd or as soon as you can

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

I've tested these updates in my network with no side effects, test and install when you feel comfortable.

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	CHANGES
>>>> 4524156	10/3/2019	Install	Special update	Monthly rollup (cumulative,)	Pick one or the other	Includes zero-day IE fix, fixes printing issues
>>>> 4524135	10/3/2019	Install	Special update	Security-only IE update	Pick one or the other	Includes zero-day IE fix, fixes printing issues
4515846	9/24/2019	Defer		Preview Rollup .NET update for 4.8		
4515853	9/24/2019	Defer		Preview Rollup .NET update for 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2		
4516533	9/24/2019	Defer		Preview Rollup .NET update for 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8		
4516041	9/24/2019	Optional		Preview update		Fixes Surface RT browser issue/includes zero day IE fix
4522007	9/23/2019	Defer		Internet Explorer		Includes zero-day IE fix
>>>> 4512938	9/10/2019	Install		Servicing stack update		
>>>> 4516115	9/10/2019	Install		Flash update		
>>>> 4516067	9/10/2019	Install		Monthly rollup	Pick one or the other	
>>>> 4516064	9/10/2019	Install		Security-only	Pick one or the other	
>>>> 4516046	9/10/2019	Install		Internet Explorer	Install with security-only update	
>>>> 4514604	9/10/2019	Install		Rollup .NET update for 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8	Pick rollup or security only	
4514599	9/10/2019	Install		Security-only .NET update for 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8 for Windows 8.1, RT 8.1, and Server 2012 R2 security only	Pick rollup or security only	
>>>>						
4517298	8/16/2019	Optional		VBA fix	MS Update Catalog only	
4512488	8/13/2019	Install		Monthly rollup	Pick one or the other	
4512489	8/13/2019	Install		Security-only	Pick one or the other	
4511872	8/13/2019	Install		Internet Explorer	Install with security-only update	
4503548	8/13/2019	Defer		.NET 4.8	Info on how to block it	
4507463	7/16/2019	Optional		Preview update		
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, 4.6.2	Pick rollup or security only	

Windows 8.1 / Server 2012 R2

Sheet updated: 10/3/2019

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

I've tested these updates in my network with no side effects, test and install when you feel comfortable.

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	CHANGES
4507413	7/9/2019	Install	Security only	NET Framework 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2	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
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 issue 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

Windows 8.1 / Server 2012 R2

Sheet updated: 10/3/2019

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

I've tested these updates in my network with no side effects, test and install when you feel comfortable.

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	CHANGES
4487000	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.	
4487028	2/12/2019	Installed		Windows 8.1 (Update rollup)	Same as above	
4486474	2/12/2019	Installed		Windows 8.1 security only	None at this time	
4487038	2/12/2019	Installed		Internet Explorer	None at this time	
				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: 10/3/2019

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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	CHANGES
>>>> 4524135	10/3/2019	Install	Special update	Security only IE update		Includes zero-day IE fix, fixes printing issues
4515845	9/24/2019	Defer		Preview Rollup .NET update for 4.8		
4516552	9/24/2019	Defer		Preview Rollup .NET update for 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2		
4515852	9/24/2019	Defer		Preview Rollup .NET update for 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2		
4516069	9/24/2019	Optional		Preview update		Includes zero-day IE fix
4522007	9/23/2019	Defer		Internet Explorer		Includes zero-day IE fix
>>>> 4512939	9/10/2019	Install		Servicing stack update		
>>>> 4516115	9/10/2019	Install		Flash update		
>>>> 4516055	9/10/2019	Install		Monthly rollup	Pick one or the other	
>>>> 4516062	9/10/2019	Install		Security-only	Pick one or the other	
>>>> 4516046	9/10/2019	Install		Internet Explorer	Install with security-only update	
>>>> 4514603	9/10/2019	Install		Rollup .NET update for 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8	Pick rollup or security only	
>>>> 4514598	9/10/2019	Install		Security-only .NET update for 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8	Pick rollup or security only	
4517302	8/16/2019	Defer		VBA fix	Catalog only	
4512488	8/13/2019	Install		Monthly rollup	Pick one or the other	
4512489	8/13/2019	Install		Security-only	Pick one or the other	
4511872	8/13/2019	Install		Internet Explorer	Install with security-only update	
4503548	8/13/2019	Defer		.NET 4.8	Info on how to block it	
4507447	7/16/2019	Optional		Preview update		
4504418	7/9/2019	Install		Servicing stack		
4507462	7/9/2019	Install		Monthly rollup	Pick one or the other	

Windows Server 2012

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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	CHANGES
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 rol	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	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

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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	CHANGES
4487024	2/19/2019	Optional		Windows 2012 update rollup preview	Fixing Access issues	
					Applications that use a Microsoft Jet database with the Microsoft Access 95 file format may randomly stop working.	
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	None at this time	
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: 10/3/2019

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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/>

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

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	CHANGES
>>>> 4524157	10/3/2019	Install	Special update	Monthly rollup (cumulative)	Pick one or the other	Includes zero-day IE fix, fixes printing issues
>>>> 4524135	10/3/2019	Install	Special update	Security only IE update	Pick one or the other	Includes zero-day IE fix, fixes printing issues
4515847	9/24/2019	Defer		Preview Rollup .NET update for 4.8		
4515854	9/24/2019	Defer		Preview Rollup .NET update for 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2		
4516551	9/24/2019	Defer		Preview Rollup .NET update for 3.5, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2		
4516048	9/24/2019	Optional		Preview update		Includes zero day IE fix
4522007	9/23/2019	Defer		Internet Explorer		Includes zero day IE fix
>>>> 4516655	9/10/2019	Install		Servicing stack update		
>>>> apsb19-46	9/10/2019	Install		Flash update		
>>>> 4516065	9/10/2019	Install		Monthly rollup	Pick one or the other	
>>>> 4516033	9/10/2019	Install		Security-only	Pick one or the other	
>>>> 4516046	9/10/2019	Install		Internet Explorer	Install with security-only update	
>>>> 4514602	9/10/2019	Install		Security and quality rollup for .NET 3.5.1, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8		
>>>> 4474419	9/10/2019	Install		SHA-2 update rereleased	You may have already installed this in June	
4517297	8/16/2019	Defer		VBA fix		
4512506	8/13/2019	Install		Monthly rollup	Pick one or the other	
4512486	8/13/2019	Install		Security-only	Pick one or the other	

Windows 7 / Server 2008 R2

Sheet updated: 10/3/2019

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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	CHANGES
4511872	8/13/2019	Install				Microsoft and Symantec have identified an issue that occurs when a device is running any Symantec or Norton antivirus program and installs updates for Windows that are signed with SHA-2 certificates only. The Windows updates are blocked or deleted by the antivirus program during installation, which may then cause Windows to stop working or fail to start. Microsoft has temporarily placed a safeguard hold on devices with an affected version of Symantec Antivirus or Norton Antivirus installed to prevent them from receiving this type of Windows update until a solution is available. We recommend that you do not manually install affected updates until a solution is available. Guidance for Symantec customers can be found in the
Adobe 19-41	8/13/2019	Install		Internet Explorer	Install with security-only	Symantec support article. Info on how to block it
4503548	8/13/2019	Defer		Adobe Acrobat and Reader .NET 4.8		

Windows 7 / Server 2008 R2

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

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

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	CHANGES
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, 4.6.1, .	Pick one or the other	
4507411	7/9/2019	Install		NET Framework 3.5, 4.5.2, 4.6, 4.6.1, .	Pick one or the other	
4508646	6/20/2019	Defer	MS Update Catalo	Internet explorer	Addresses an issue that causes Internet Explorer 11 to stop	
4508772	6/20/2019	Defer	MS Update Catalo	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	May have issues with Power BI reports
Adobe 19-30	6/11/2019			Monthly Adobe Flash update		
4499178	5/23/2019	Optional		Win7 Preview	Windows 7 update rollup	Time zone updates for Morocco, Japanese date bug fixes
4505050	5/18/2019	Optional	Pushed to UK sites	Internet Explorer	Fixes UK site issues	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	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		

Windows 7 / Server 2008 R2

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

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	CHANGES
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	
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	

Windows 7 / Server 2008 R2

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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/>

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

PATCH NUMBER	RELEASE DATE	STATUS	SPECIAL NOTES	DESCRIPTION	INSTALL NOTES	CHANGES
4487345	1/11/2019	Installed		HotFix for NTFS issues/RDP in workgr machine in workgroup	Fixes bug with NTFS/RDP to another	
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: 10/3/2019

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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	CHANGES
>>>> 4524135	10/3/2019	Install	Special update	Security-only IE update		Includes zero-day IE fix, fixes printing issues
4515854	9/24/2019	Defer		Preview Rollup .NET update for 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2		
4516554	9/24/2019	Defer		Preview Rollup .NET update for 3.5, 4.5.2, 4.6,		
4516030	9/24/2019	Optional		Preview update		Includes zero day IE fix
4522007	9/23/2019	Defer		Internet Explorer		Includes zero day IE fix
>>>> 4517134	9/10/2019	Install		Servicing stack update		
>>>> apsb19-46	9/10/2019	Install		Flash update		
>>>> 4516026	9/10/2019	Install		Monthly rollup	Pick one or the other	
>>>> 4516051	9/10/2019	Install		Security-only	Pick one or the other	
>>>> 4516046	9/10/2019	Install		Internet Explorer	Install with security-only	update
>>>> 4507423	9/10/2019	Install	Rollup	NET Framework 2.0, 3.0, 4.5.2, 4.6 for Windows Server 2008 SP2 rollup		
>>>> 4474419	9/10/2019	Install	Re-released: MSI-file issues	SHA-2 code signing	Re-released to fix boot issues, you already saw it in June	
4517301	8/16/2019	Defer		VBA fix		
4512476	8/13/2019	Install		Monthly rollup	Pick one or the other	
4512491	8/13/2019	Install		Security-only	Pick one or the other	
4511872	8/13/2019	Install		Internet Explorer	Install with security-only update	
4507451	7/16/2019	Defer	Preview release	Monthly rollup		
4507452	7/9/2019	Install		Monthly rollup	Pick one or the other	
4507461	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 for Windows 2	Pick one or the other	
4507414	7/9/2019	Install		NET Framework 3.5, 4.5.2, 4.6 for Windows 2	Pick one or the other	

Windows 2008 SP2

Sheet updated: 10/3/2019

>>>> Should be installed as of October 3rd or as soon as you can

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	CHANGES
4508646	6/20/2019	Defer			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	Catalog only Preview release	Internet explorer 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		