



Product ▲	Platform	Article	Download	Impact	Severity	Supersede
Windows 10 for x64-based Systems		4103716 (https://support.microsoft.com/help/4103716)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103716)	Information Disclosure	Important	4093111
Windows 10 Version 1607 for 32-bit Systems		4103723 (https://support.microsoft.com/help/4103723)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103723)	Information Disclosure	Important	4093115
Windows 10 Version 1607 for x64-based Systems		4103723 (https://support.microsoft.com/help/4103723)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103723)	Information Disclosure	Important	4093115
Windows 10 Version 1703 for 32-bit Systems		4103731 (https://support.microsoft.com/help/4103731)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103731)	Information Disclosure	Important	4093107
Windows 10 Version 1703 for x64-based Systems		4103731 (https://support.microsoft.com/help/4103731)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103731)	Information Disclosure	Important	4093107
Windows 10 Version 1709 for 32-bit Systems		4103727 (https://support.microsoft.com/help/4103727)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103727)	Information Disclosure	Important	4093112
Windows 10 Version 1803 for 32-bit Systems		4103721 (https://support.microsoft.com/help/4103721)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103721)	Information Disclosure	Important	
Windows 10 Version 1803 for x64-based Systems		4103721 (https://support.microsoft.com/help/4103721)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103721)	Information Disclosure	Important	
Windows 7 for 32-bit Systems Service Pack 1		4103718 (https://support.microsoft.com/help/4103718)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103718)	Information Disclosure	Important	4093118
		4103712 (https://support.microsoft.com/help/4103712)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103712)			
Windows 7 for x64-based Systems Service Pack 1		4103718 (https://support.microsoft.com/help/4103718)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103718)	Information Disclosure	Important	4093118
		4103712 (https://support.microsoft.com/help/4103712)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103712)			
Windows 8.1 for 32-bit systems		4103725 (https://support.microsoft.com/help/4103725)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103725)	Information Disclosure	Important	4093114
		4103715 (https://support.microsoft.com/help/4103715)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103715)			
Windows 8.1 for x64-based systems		4103725 (https://support.microsoft.com/help/4103725)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103725)	Information Disclosure	Important	4093114
		4103715 (https://support.microsoft.com/help/4103715)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103715)			
Windows RT 8.1		4103725 (https://support.microsoft.com/help/4103725)	Monthly Rollup	Information Disclosure	Important	4093114
Windows Server 2008 R2 for Itanium-Based Systems Service Pack 1		4103718 (https://support.microsoft.com/help/4103718)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103718)	Information Disclosure	Important	4093118
		4103712 (https://support.microsoft.com/help/4103712)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103712)			
Windows Server 2008 R2 for x64-based		4103718 (https://support.microsoft.com/help/4103718)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103718)	Information Disclosure	Important	4093118

Systems Service Pack Product ▲	Platform	Article	Download	Impact	Severity	Supersede
		4103712 (https://support.microsoft.com/help/4103712)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103712)			
Windows Server 2008 R2 for x64-based Systems Service Pack 1 (Server Core installation)		4103718 (https://support.microsoft.com/help/4103718)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103718)	Information Disclosure	Important	4093118
		4103712 (https://support.microsoft.com/help/4103712)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103712)			
Windows Server 2012		4103730 (https://support.microsoft.com/help/4103730)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103730)	Information Disclosure	Important	4093123
		4103726 (https://support.microsoft.com/help/4103726)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103726)			
Windows Server 2012 (Server Core installation)		4103730 (https://support.microsoft.com/help/4103730)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103730)	Information Disclosure	Important	4093123
		4103726 (https://support.microsoft.com/help/4103726)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103726)			
Windows Server 2012 R2		4103725 (https://support.microsoft.com/help/4103725)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103725)	Information Disclosure	Important	4093114
		4103715 (https://support.microsoft.com/help/4103715)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103715)			
Windows Server 2012 R2 (Server Core installation)		4103725 (https://support.microsoft.com/help/4103725)	Monthly Rollup (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103725)	Information Disclosure	Important	4093114
		4103715 (https://support.microsoft.com/help/4103715)	Security Only (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103715)			
Windows Server 2016		4103723 (https://support.microsoft.com/help/4103723)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103723)	Information Disclosure	Important	4093119
Windows Server 2016 (Server Core installation)		4103723 (https://support.microsoft.com/help/4103723)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103723)	Information Disclosure	Important	4093119
Windows Server, version 1709 (Server Core Installation)		4103727 (https://support.microsoft.com/help/4103727)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103727)	Information Disclosure	Important	4093112
Windows Server, version 1803 (Server Core Installation)		4103721 (https://support.microsoft.com/help/4103721)	Security Update (https://catalog.update.microsoft.com/v7/site/Search.aspx?q=KB4103721)	Information Disclosure	Important	

## Mitigations

Microsoft has not identified any mitigating factors (<https://technet.microsoft.com/library/security/dn848375.aspx#Mitigation>) for this vulnerability.

## Workarounds

Microsoft has not identified any workarounds (<https://technet.microsoft.com/library/security/dn848375.aspx#Workaround>) for this vulnerability.

## Acknowledgements

Rohit Mothe of Project Minus Storm Team, Intel Corp.  
 Andrei Vlad Lutas of Bitdefender (<https://www.bitdefender.com>)

See acknowledgements (<https://portal.msrc.microsoft.com/en-us/security-guidance/acknowledgments>) for more information.

Disclaimer

The information provided in the Microsoft Knowledge Base is provided "as is" without warranty of any kind. Microsoft disclaims all warranties, either express or implied, including the warranties of merchantability and fitness for a particular purpose. In no event shall Microsoft Corporation or its suppliers be liable for any damages whatsoever including direct, indirect, incidental, consequential, loss of business profits or special damages, even if Microsoft Corporation or its suppliers have been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of liability for consequential or incidental damages so the foregoing limitation may not apply.

Revisions

Version	Date	Description
1.0	05/08/2018	Information published.

What's new

Surface Pro 6

(<https://www.microsoft.com/en-us/p/surface-pro-6/8ZCNC665SLQ5>)

Surface Laptop 2

(<https://www.microsoft.com/en-us/p/surface-laptop-2/8XQJKK3DD91B>)

Surface Go

(<https://www.microsoft.com/en-us/p/surface-go/8v9dp4lnksz>)

Xbox One X

(<https://www.xbox.com/en-us/xbox-one-x>)

Xbox One S

(<https://www.xbox.com/en-us/xbox-one-s?xr=shellnav>)

VR & mixed reality

(<https://www.microsoft.com/en-us/store/b/virtualreality>)

Windows 10 apps

(<https://www.microsoft.com/en-us/windows/windows-10-apps>)

Office apps

(<https://store.office.com/en-us/appshome.aspx?>)

Microsoft Store

Account profile

(<https://account.microsoft.com/>)

Download Center

(<https://www.microsoft.com/en-us/download>)

Microsoft Store support

(<https://go.microsoft.com/fwlink/?LinkId=824761&clcid=0x409>)

Returns

(<https://go.microsoft.com/fwlink/?LinkId=824764&clcid=0x409>)

Order tracking

(<https://account.microsoft.com/orders>)

Store locations

([https://www.microsoft.com/en-us/store/locations/find-a-store?icid=en-us\\_UF\\_FAS](https://www.microsoft.com/en-us/store/locations/find-a-store?icid=en-us_UF_FAS))

Buy online, pick up in store

([https://www.microsoft.com/en-us/store/b/buy-online-pick-up-in-store?icid=uhf\\_footer\\_bopuis](https://www.microsoft.com/en-us/store/b/buy-online-pick-up-in-store?icid=uhf_footer_bopuis))

Education

Microsoft in education

(<https://www.microsoft.com/en-us/education>)

Office for students

(<https://www.microsoft.com/en-us/education/products/office/default.aspx>)

Office 365 for schools

(<https://products.office.com/en-us/academic/compare-office-365-education-plans>)

Deals for students & parents

([https://www.microsoft.com/en-us/store/b/education?icid=CNavfooter\\_Studentsaneducation](https://www.microsoft.com/en-us/store/b/education?icid=CNavfooter_Studentsaneducation))

Microsoft Azure in education

(<https://azure.microsoft.com/en-us/community/education/>)

Enterprise

Azure

(<https://azure.microsoft.com/>)

AppSource

(<https://go.microsoft.com/fwlink/?LinkId=808093>)

Automotive

(<https://www.microsoft.com/en-us/enterprise/automotive>)

Government

(<https://www.microsoft.com/en-us/enterprise/government>)

Healthcare

(<https://www.microsoft.com/en-us/enterprise/health>)

Manufacturing

(<https://www.microsoft.com/en-us/enterprise/manufacturing>)

Financial services

(<https://www.microsoft.com/en-us/enterprise/finance/banking-capital-markets>)

Retail

(<https://www.microsoft.com/en-us/enterprise/retail-consumer-goods>)

Developer

Microsoft Visual Studio

(<https://visualstudio.microsoft.com/>)

Windows Dev Center

(<https://developer.microsoft.com/en-us/windows>)

Developer Network

(<https://msdn.microsoft.com/en-us>)

TechNet

(<https://technet.microsoft.com/en-us>)

Microsoft developer program

(<https://developer.microsoft.com/en-us/store/register>)

Channel 9

(<https://channel9.msdn.com/>)

Office Dev Center

(<https://developer.microsoft.com/en-us/office>)

Microsoft Garage

(<https://www.microsoft.com/en-us/garage/>)

Company

Careers

(<https://careers.microsoft.com/>)

About Microsoft

(<https://www.microsoft.com/en-us/about>)

Company news

(<https://news.microsoft.com/>)

Privacy at Microsoft

(<https://privacy.microsoft.com/en-us>)

Investors

(<https://www.microsoft.com/investor/default.aspx>)

Diversity and inclusion


(<https://www.microsoft.com/en-us/diversity/>)

Accessibility

(<https://www.microsoft.com/en-us/accessibility>)

Security

(<https://www.microsoft.com/en-us/security/default.aspx>)

 English (United States)(<https://www.microsoft.com/en-us/locale.aspx>)

Sitemap (<https://www.microsoft.com/en-us/sitemap1.aspx>)

Contact Microsoft (<https://support.microsoft.com/en-us/contactus>)

Privacy & cookies (<https://go.microsoft.com/fwlink/?LinkId=521839>)

Terms of use (<https://go.microsoft.com/fwlink/?LinkId=206977>)

Trademarks (<https://www.microsoft.com/trademarks>)

Safety & eco (<https://www.microsoft.com/en-us/devices/safety-and-eco>)

About our ads (<https://choice.microsoft.com>)

© Microsoft 2019

https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2018-8127

4/4