

Security Patches for Mindray Products Running on Windows OS (July, 2021)

CONTENT

To Whom It May Concern,

Below content is only for your information.

Introduction:

We have reviewed the applicability to Mindray products of the Microsoft Windows security patches released in July, 2021. The following CVEs have been evaluated:

CVE Identifiers

- CVE-2021-36934 Windows Elevation of Privilege Vulnerability
- CVE-2021-34529 Visual Studio Code Remote Code Execution Vulnerability
- CVE-2021-34527 Windows Print Spooler Remote Code Execution Vulnerability
- CVE-2021-34525 Windows DNS Server Remote Code Execution Vulnerability
- CVE-2021-34523 Microsoft Exchange Server Elevation of Privilege Vulnerability
- CVE-2021-34522 Microsoft Defender Remote Code Execution Vulnerability
- CVE-2021-34521 Raw Image Extension Remote Code Execution Vulnerability
- CVE-2021-34520 Microsoft SharePoint Server Remote Code Execution Vulnerability
- CVE-2021-34519 Microsoft SharePoint Server Information Disclosure Vulnerability
- CVE-2021-34518 Microsoft Excel Remote Code Execution Vulnerability
- CVE-2021-34517 Microsoft SharePoint Server Spoofing Vulnerability
- CVE-2021-34516 Win32k Elevation of Privilege Vulnerability
- CVE-2021-34514 Windows Kernel Elevation of Privilege Vulnerability
- CVE-2021-34513 Storage Spaces Controller Elevation of Privilege Vulnerability
- CVE-2021-34512 Storage Spaces Controller Elevation of Privilege Vulnerability
- CVE-2021-34511 Windows Installer Elevation of Privilege Vulnerability
- CVE-2021-34510 Storage Spaces Controller Elevation of Privilege Vulnerability
- CVE-2021-34509 Storage Spaces Controller Information Disclosure Vulnerability
- CVE-2021-34508 Windows Kernel Remote Code Execution Vulnerability
- CVE-2021-34507 Windows Remote Assistance Information Disclosure Vulnerability
- CVE-2021-34504 Windows Address Book Remote Code Execution Vulnerability
- CVE-2021-34503 Microsoft Windows Media Foundation Remote Code Execution Vulnerability
- CVE-2021-34501 Microsoft Excel Remote Code Execution Vulnerability
- CVE-2021-34500 Windows Kernel Memory Information Disclosure Vulnerability
- CVE-2021-34499 Windows DNS Server Denial of Service Vulnerability
- CVE-2021-34498 Windows GDI Elevation of Privilege Vulnerability
- CVE-2021-34497 Windows MSHTML Platform Remote Code Execution Vulnerability
- CVE-2021-34496 Windows GDI Information Disclosure Vulnerability
- CVE-2021-34494 Windows DNS Server Remote Code Execution Vulnerability
- CVE-2021-34493 Windows Partition Management Driver Elevation of Privilege Vulnerability
- CVE-2021-34492 Windows Certificate Spoofing Vulnerability
- CVE-2021-34491 Win32k Information Disclosure Vulnerability

- CVE-2021-34490 Windows TCP/IP Driver Denial of Service Vulnerability
- CVE-2021-34489 DirectWrite Remote Code Execution Vulnerability
- CVE-2021-34488 Windows Console Driver Elevation of Privilege Vulnerability
- CVE-2021-34481 Windows Print Spooler Elevation of Privilege Vulnerability
- CVE-2021-34479 Microsoft Visual Studio Spoofing Vulnerability
- CVE-2021-34477 Visual Studio Code .NET Runtime Elevation of Privilege Vulnerability
- CVE-2021-34476 Bowser.sys Denial of Service Vulnerability
- CVE-2021-34474 Dynamics Business Central Remote Code Execution Vulnerability
- CVE-2021-34473 Microsoft Exchange Server Remote Code Execution Vulnerability
- CVE-2021-34470 Microsoft Exchange Server Elevation of Privilege Vulnerability
- CVE-2021-34469 Microsoft Office Security Feature Bypass Vulnerability
- CVE-2021-34468 Microsoft SharePoint Server Remote Code Execution Vulnerability
- CVE-2021-34467 Microsoft SharePoint Server Remote Code Execution Vulnerability
- CVE-2021-34466 Windows Hello Security Feature Bypass Vulnerability
- CVE-2021-34464 Microsoft Defender Remote Code Execution Vulnerability
- CVE-2021-34462 Windows AppX Deployment Extensions Elevation of Privilege Vulnerability
- CVE-2021-34461 Windows Container Isolation FS Filter Driver Elevation of Privilege Vulnerability
- CVE-2021-34460 Storage Spaces Controller Elevation of Privilege Vulnerability
- CVE-2021-34459 Windows AppContainer Elevation Of Privilege Vulnerability
- CVE-2021-34458 Windows Kernel Remote Code Execution Vulnerability
- CVE-2021-34457 Windows Remote Access Connection Manager Information Disclosure Vulnerability
- CVE-2021-34456 Windows Remote Access Connection Manager Elevation of Privilege Vulnerability
- CVE-2021-34455 Windows File History Service Elevation of Privilege Vulnerability
- CVE-2021-34454 Windows Remote Access Connection Manager Information Disclosure Vulnerability
- CVE-2021-34452 Microsoft Word Remote Code Execution Vulnerability
- CVE-2021-34451 Microsoft Office Online Server Spoofing Vulnerability
- CVE-2021-34450 Windows Hyper-V Remote Code Execution Vulnerability
- CVE-2021-34449 Win32k Elevation of Privilege Vulnerability
- CVE-2021-34448 Scripting Engine Memory Corruption Vulnerability
- CVE-2021-34447 Windows MSHTML Platform Remote Code Execution Vulnerability
- CVE-2021-34446 Windows HTML Platforms Security Feature Bypass Vulnerability
- CVE-2021-34445 Windows Remote Access Connection Manager Elevation of Privilege Vulnerability
- CVE-2021-34444 Windows DNS Server Denial of Service Vulnerability
- CVE-2021-34442 Windows DNS Server Denial of Service Vulnerability
- CVE-2021-34441 Microsoft Windows Media Foundation Remote Code Execution Vulnerability
- CVE-2021-34440 GDI+ Information Disclosure Vulnerability
- CVE-2021-33788 Windows LSA Denial of Service Vulnerability
- CVE-2021-33786 Windows LSA Security Feature Bypass Vulnerability
- CVE-2021-33785 Windows AF_UNIX Socket Provider Denial of Service Vulnerability
- CVE-2021-33784 Windows Cloud Files Mini Filter Driver Elevation of Privilege Vulnerability

● CVE-2021-33783	Windows SMB Information Disclosure Vulnerability
● CVE-2021-33782	Windows Authenticode Spoofing Vulnerability
● CVE-2021-33781	Azure AD Security Feature Bypass Vulnerability
● CVE-2021-33780	Windows DNS Server Remote Code Execution Vulnerability
● CVE-2021-33780	Windows DNS Server Remote Code Execution Vulnerability
● CVE-2021-33779	Windows ADFS Security Feature Bypass Vulnerability
● CVE-2021-33778	HEVC Video Extensions Remote Code Execution Vulnerability
● CVE-2021-33777	HEVC Video Extensions Remote Code Execution Vulnerability
● CVE-2021-33776	HEVC Video Extensions Remote Code Execution Vulnerability
● CVE-2021-33775	HEVC Video Extensions Remote Code Execution Vulnerability
● CVE-2021-33774	Windows Event Tracing Elevation of Privilege Vulnerability
● CVE-2021-33773	Windows Remote Access Connection Manager Elevation of Privilege Vulnerability
● CVE-2021-33772	Windows TCP/IP Driver Denial of Service Vulnerability
● CVE-2021-33771	Windows Kernel Elevation of Privilege Vulnerability
● CVE-2021-33768	Microsoft Exchange Server Elevation of Privilege Vulnerability
● CVE-2021-33767	Open Enclave SDK Elevation of Privilege Vulnerability
● CVE-2021-33766	Microsoft Exchange Information Disclosure Vulnerability
● CVE-2021-33765	Windows Installer Spoofing Vulnerability
● CVE-2021-33764	Windows Key Distribution Center Information Disclosure Vulnerability
● CVE-2021-33763	Windows Remote Access Connection Manager Information Disclosure Vulnerability
● CVE-2021-33761	Windows Remote Access Connection Manager Elevation of Privilege Vulnerability
● CVE-2021-33760	Media Foundation Information Disclosure Vulnerability
● CVE-2021-33759	Windows Desktop Bridge Elevation of Privilege Vulnerability
● CVE-2021-33758	Windows Hyper-V Denial of Service Vulnerability
● CVE-2021-33757	Windows Security Account Manager Remote Protocol Security Feature Bypass Vulnerability
● CVE-2021-33756	Windows DNS Snap-in Remote Code Execution Vulnerability
● CVE-2021-33755	Windows Hyper-V Denial of Service Vulnerability
● CVE-2021-33754	Windows DNS Server Remote Code Execution Vulnerability
● CVE-2021-33753	Microsoft Bing Search Spoofing Vulnerability
● CVE-2021-33752	Windows DNS Snap-in Remote Code Execution Vulnerability
● CVE-2021-33751	Storage Spaces Controller Elevation of Privilege Vulnerability
● CVE-2021-33750	Windows DNS Snap-in Remote Code Execution Vulnerability
● CVE-2021-33749	Windows DNS Snap-in Remote Code Execution Vulnerability
● CVE-2021-33746	Windows DNS Server Remote Code Execution Vulnerability
● CVE-2021-33745	Windows DNS Server Denial of Service Vulnerability
● CVE-2021-33744	Windows Secure Kernel Mode Security Feature Bypass Vulnerability
● CVE-2021-33743	Windows Projected File System Elevation of Privilege Vulnerability
● CVE-2021-33740	Windows Media Remote Code Execution Vulnerability
● CVE-2021-31984	Power BI Remote Code Execution Vulnerability
● CVE-2021-31979	Windows Kernel Elevation of Privilege Vulnerability
● CVE-2021-31961	Windows InstallService Elevation of Privilege Vulnerability
● CVE-2021-31947	HEVC Video Extensions Remote Code Execution Vulnerability
● CVE-2021-31206	Microsoft Exchange Server Remote Code Execution Vulnerability
● CVE-2021-31196	Microsoft Exchange Server Remote Code Execution Vulnerability

- CVE-2021-31183 Windows TCP/IP Driver Denial of Service Vulnerability
- CVE-2021-30564 Chromium: CVE-2021-30564 Heap buffer overflow in WebXR
- CVE-2021-30563 Chromium: CVE-2021-30563 Type Confusion in V8
- CVE-2021-30562 Chromium: CVE-2021-30562 Use after free in WebSerial
- CVE-2021-30561 Chromium: CVE-2021-30561 Type Confusion in V8
- CVE-2021-30560 Chromium: CVE-2021-30560 Use after free in Blink XSLT
- CVE-2021-30559 Chromium: CVE-2021-30559 Out of bounds write in ANGLE
- CVE-2021-30541 Chromium: CVE-2021-30541 Use after free in V8
- CVE-2020-17049 Kerberos KDC Security Feature Bypass Vulnerability
- ADV990001 Latest Servicing Stack Updates
- ADV200011 Microsoft Guidance for Addressing Security Feature Bypass in GRUB

For more details, please refer to the Microsoft website:

<https://portal.msrc.microsoft.com/en-us/security-guidance>.

Impacted Mindray Products:

The following table lists the impacted device and those hotfixes determined to be applicable to each device:

OS	Hotfix	Product	Download website
Windows 10 Professional SP1 64bit 1809	KB5004244	BeneVision CMS eGateway BeneVision CMS Viewer, Hypervisor X CMS	windows10.0-kb5004244-x64_5685623313a6de061e0c42fed3391c29750a6b1b.msu
Windows 10 Version 1607 for 32-bit Systems	KB5004238	BeneVision CMS Viewer BeneVision CMS Hypervisor X CMS	windows10.0-kb5004238-x86_8d000fa9d73ffb093affc1ab1f20270f6d5abdf2.msu
Windows 10 Version 1607 for x64-based Systems	KB5004238	BeneVision CMS eGateway BeneVision CMS Viewer, MLDAP Server Hypervisor X CMS	windows10.0-kb5004238-x64_e3dd1cf22b1146f2469ef31f5fec0f47c8b5960b.msu
Windows Server 2012 R2	KB5004285	BeneVision CMS eGateway	windows8.1-kb5004285-x64_48edc089cd78b9c91d18db12d3ae89d90ebcd3a3.msu
	KB5004298	BeneVision CMS Viewer, BeneVision Mobile Server, MLDAP Server	windows8.1-kb5004298-x64_e98bbac284034aac90559c0d311967d97ebfc0e5.msu
Windows Server 2016	KB5004238	BeneVision CMS eGateway MLDAP Server BeneVision Mobile Server	windows10.0-kb5004238-x64_e3dd1cf22b1146f2469ef31f5fec0f47c8b5960b.msu

Windows 10 Version 1607 for x64-based Systems	KB5004238	iView	windows10.0-kb5004238-x64_e3dd1cf22b1146f2469ef31f5fec0f47c8b5960b.msu
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Conclusion and Recommendation:

We have validated that the Mindray products of the latest version can perform to specification with the applicable patches applied to the OS. It is recommended that the applicable patches defined in the table above should be installed on the affected Mindray products.

If you need information on how to obtain the approved patches or have any question, please feel free to contact Mindray regional service engineer or Mindray Service Department (email: service@mindray.com).

Thank you for your kind attention and cooperation.

Sincerely yours,

Mindray Service Department
Shenzhen Mindray Bio-Medical Electronics Co., Ltd.

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