Security Patches:
BD Pyxis™ Anesthesia Station 4000

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
Windows Malicious Software Removal Tool x64 - v5.119	The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software from computers.	KB890830	N/A
2023-11 Servicing Stack Update for Windows 10 Version 1607 for x64-based System	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A
2023-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems	This security update includes quality improvements. When you install this KB: ▪ This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022	KB5032197	N/A
2023-11 Servicing Stack Update for Windows Embedded Standard 7 for x86-based Systems	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032383	N/A

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Security Patches:
BD Pyxis™ C^{II}Safe

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Servicing Stack Update for Windows Embedded Standard 7 for x86-based Systems (KB5032383)	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032383	N/A
2023-11 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB5032391)	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032391	N/A
2023-11 Cumulative Update for .NET Framework 4.8 for Windows 10 Version 1607 (KB5031989)	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5031989	N/A

2023-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB5032197)	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032197	N/A
Windows Malicious Software Removal Tool x64 - v5.117 (KB890830)	After the download, this tool runs one time to check your computer for infection by specific, prevalent malicious software (including Blaster, Sasser, and Mydoom) and helps remove any infection that is found. If an infection is found, the tool will display a status report the next time that you start your computer. A new version of the tool will be offered every month. If you want to manually run the tool on your computer, you can download a copy from the Microsoft Download Center, or you can run an online version from microsoft.com. This tool is not a replacement for an antivirus product. To help protect your computer, you should use an antivirus product.	KB890830	N/A

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Security Patches: BD Pyxis™ MedStation™ 4000

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
Windows Malicious Software Removal Tool x64 - v5.119	The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software from computers.	KB890830	N/A
2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A
2023-11 Cumulative Update for Windows Server 2016 for x64-based System	This security update includes quality improvements. When you install this KB: ▪ This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022.	KB5032197	N/A
Windows Malicious Software Removal Tool - v5.119	The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software from computers.	KB890830	N/A
2023-11 Servicing Stack Update for Windows 10 Version 1607 for x64-based System	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A
2023-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems	This security update includes quality improvements. When you install this KB: ▪ This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022	KB5032197	N/A

2023-11 Servicing Stack Update for Windows Embedded Standard 7 for x86-based Systems	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032383	N/A
2023-11 Servicing Stack Update for Windows Server 2008 for x86-based Systems	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) make sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032384	N/A
2023-11 Security Monthly Quality Rollup for Windows Server 2008 for x86-based Systems	This cumulative security update contains improvements that are part of update KB5031416 (released October 10, 2023). This update also makes improvements for the following issue: ▪ This update includes daylight saving time (DST) changes for Syria. For more information, see Syria 2022 time zone update now available.	KB5032254	N/A
2023-11 Security Only Quality Update for Windows Server 2008 for x86-based Systems	This update makes improvements for the following issue: ▪ This update includes daylight saving time (DST) changes for Syria. For more information, see Syria 2022 time zone update now available.	KB5032248	N/A

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Security Patches: Security Module

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
Windows Malicious Software Removal Tool x64 - v5.119 (KB890830)	This tool is used to find and remove specific prevalent threats and reverse the changes they have made. If malicious software has modified (infected) files on the computer, the tool prompts the user to remove the malicious software from those files. If the malicious software has modified browser settings, the homepage may be changed automatically to a page that gives user directions on how to restore these settings.	KB890830	N/A
2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5032391)	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A
2023-11 Cumulative Update for Windows Server 2016 for x64-based Systems (KB5032197)	This security update includes quality improvements. When you install this KB: • This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022.	KB5032197	N/A

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Security Patches:
BD Pyxis™ IV Prep

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Cumulative Update for Windows Server 2016 for x64-based Systems (KB5032197)	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032197	N/A
Windows Malicious Software Removal Tool x64 - v5.119 (KB890830)	After the download, this tool runs one time to check your computer for infection by specific, prevalent malicious software (including Blaster, Sasser, and Mydoom) and helps remove any infection that is found. If an infection is found, the tool will display a status report the next time that you start your computer. A new version of the tool will be offered every month. If you want to manually run the tool on your computer, you can download a copy from the Microsoft Download Center, or you can run an online version from microsoft.com. This tool is not a replacement for an antivirus product. To help protect your computer, you should use an antivirus product.	KB890830	N/A

2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5032391)	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032391	N/A

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Security Patches: BD Pyxis Connect

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Cumulative Update for .NET Framework 4.8 for Windows Server 2016 for x64 (KB5031989)	The November 14, 2023 update for Windows 10, version 1607 and Windows Server 2016 includes security and cumulative reliability improvements in .NET Framework 4.8. We recommend that you apply this update as part of your regular maintenance routines. Security Improvements CVE-2023-36560 – .NET Framework Security Feature Bypass Vulnerability This security update addresses a security feature bypass vulnerability detailed in CVE-2023-36560. CVE-2023-36049 – .NET Framework Elevation of Privilege Vulnerability This security update addresses a elevation of privilege vulnerability detailed in CVE-2023-36049.	KB5031989	N/A
2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5032391)	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A

Windows Malicious Software Removal Tool x64 - v5.119 (KB890830)	Windows Malicious Software Removal Tool (MSRT) helps keep Windows computers free from prevalent malware. MSRT finds and removes threats and reverses the changes made by these threats. MSRT is generally released monthly as part of Windows Update or as a standalone tool.	KB890830	N/A
2023-11 Cumulative Update for Windows Server 2016 for x64-based Systems (KB5032197)	This security update includes quality improvements. When you install this KB: • This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022. If you installed earlier updates, only the new updates contained in this package will be downloaded and installed on your device. For more information about security vulnerabilities, please refer to the new Security Update Guide website and the November 2023 Security Updates.	KB5032197	N/A
2023-11 Cumulative Update for .NET Framework 3.5, 4.8 and 4.8.1 for Windows 10 Version 22H2 for x64 (KB5032339)	This article describes the security and cumulative update for 3.5, 4.8 and 4.8.1 for Windows 10 Version 22H2. Security Improvements CVE-2023-36560 – .NET Framework Security Feature Bypass Vulnerability This security update addresses a security feature bypass vulnerability detailed in CVE-2023-36560. CVE-2023-36049 – .NET Framework Elevation of Privilege Vulnerability This security update addresses a elevation of privilege vulnerability detailed in CVE-2023-36049.	KB5032339	N/A

2023-10 Update for Windows 10 Version 22H2 for x64-based Systems (KB4023057)	Microsoft Update Health Tools is offered to devices through Windows Update as update KB4023057. This update is applicable for both Windows consumer and commercial devices, with a slightly different purpose and functionality: • On Windows consumer devices, this update helps remediate smooth functioning of Windows Update. • For commercial devices, this update is recommended for Windows Update for Business (WUfB) Deployment Service for managing Feature and Quality Updates.	KB4023057	N/A
2023-11 Cumulative Update for Windows 10 Version 22H2 for x64-based Systems (KB5032189)	This update addresses security issues for your Windows operating system.	KB5032189	N/A

Security Patches:
BD Pyxis™ Logistics

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD Pharmogistics products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
Windows Malicious Software Removal Tool x64	After the download, this tool runs one time to check your computer for infection by specific, prevalent malicious software (including Blaster, Sasser, and Mydoom) and helps remove any infection that is found. If an infection is found, the tool will display a status report the next time that you start your computer. A new version of the tool will be offered every month. If you want to manually run the tool on your computer, you can download a copy from the Microsoft Download Center, or you can run an online version from microsoft.com. This tool is not a replacement for an antivirus product. To help protect your computer, you should use an antivirus product.	KB890830	N/A
2023-11 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows Server 2019 for x64 (KB5032337) Last Modified: 11/14/2023	Summary This article describes the security and cumulative update for 3.5, 4.7.2 and 4.8 for Windows 10, version 1809 and Windows Server 2019. Security Improvements CVE-2023-36560 – .NET Framework Security Feature Bypass Vulnerability This security update addresses a security feature bypass vulnerability detailed in CVE-2023-36560. CVE-2023-36049 – .NET Framework Elevation of Privilege Vulnerability	KB5032337	N/A

2023-11 Cumulative Update for Windows Server 2019 for x64-based Systems (KB5032196) Last Modified: 11/14/2023	This security update addresses a elevation of privilege vulnerability detailed in CVE-2023-36049. Improvements This security update includes improvements. When you install this KB: This update affects user mode printer drivers. They unload unexpectedly. This occurs when you print from multiple print queues to the same printer driver. This update addresses an issue that affects Xenon or Argon containers. They do not start. This update addresses an issue that affects NCryptGetProperty(). Calling it with NCRYPT_KEY_TYPE_PROPERTY returns 0x1 instead of 0x20. This occurs when the key is a machine key. This update includes quarterly changes to the Windows Kernel Vulnerable Driver Blocklist file, DriverSiPolicy.p7b. It adds to the list of drivers that are at risk for Bring Your Own Vulnerable Driver (BYOVD) attacks. This update addresses an issue that affects Windows LAPS. Its PasswordExpirationProtectionEnabled policy fails to turn on the setting. This update addresses an issue that affects an Application Virtualization (App-V) environment. Copy operations within it stop working. This occurs after you install the April 2023 update. This update addresses an issue that might affect a large reparse point. You might get a stop error when you use NTFS to access it. This issue occurs after a canceled FSCTL Set operation changes the reparse tag.	KB5032196	N/A
SQL Server 2019 RTM Cumulative Update (CU) 23 KB5030333 Last Modified: 10/12/2023	Summary This article describes Cumulative Update package 23 (CU23) for Microsoft SQL Server 2019. This update contains 24 fixes that were issued after the release of SQL Server 2019 Cumulative Update 22, and it updates components in the following builds: SQL Server - Product version: 15.0.4335.1, file version: 2019.150.4335.1 Analysis Services - Product version: 15.0.35.41, file version: 2018.150.35.41	KB5030333	N/A

2023-11 Cumulative Update for Windows Server 2016 for x64-based Systems (KB5032197) Last Modified: 11/14/2023	Improvements This security update includes quality improvements. When you install this KB: This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022.	KB5032197	N/A
2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5032391) Last Modified: 11/14/2023	Summary This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A
2023-11 Security Monthly Quality Rollup for Windows Server 2008 R2 for x64-based Systems (KB5032252) Last Modified: 11/14/2023	Improvements This cumulative security update contains improvements that are part of update KB5031408 (released October 10, 2023). This update also makes improvements for the following issue: This update includes daylight saving time (DST) changes for Syria. For more information, see Syria 2022 time zone update now available.	KB5032252	N/A

Security Patches:
BD Pyxis™ PARx™

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A

2023-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems	This update addresses security issues for your Windows operating system. This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022.	KB5032197	N/A
Windows Malicious Software Removal Tool x64 - v5.119	Windows Malicious Software Removal Tool (MSRT) helps keep Windows computers free from prevalent malware. MSRT finds and removes threats and reverses the changes made by these threats.	KB890830	N/A
2023-11 Servicing Stack Update for Windows Embedded Standard 7 for x86-based Systems	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032383	N/A

Security Patches:
BD Pyxis™ Tissue & Implant Management System

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
Windows Malicious Software Removal Tool x64 - v5.115	The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software from computers that are running any of the following operating systems: Windows 10 Windows Server 2019 Windows Server 2016 Windows 8.1 Windows Server 2012 R2 Windows Server 2012 Windows Server 2008 R2 Windows 7 Windows Server 2008 Microsoft releases the MSRT on a monthly cadence as part of Windows Update or as a standalone tool. Use this tool to find and remove specific prevalent threats and reverse the changes they have made (see covered malware families). For comprehensive malware detection and removal, consider using Windows Defender Offline or Microsoft Safety Scanner. This article contains information about how the tool differs from an antivirus or antimalware product, how you can download and run the tool, what happens when the tool finds malware, and tool release information. It also includes information for the administrators and advanced users, including information about supported command-line switches.	KB890830	N/A

2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates. For information about SSUs, see the following articles: Servicing stack updates Servicing Stack Updates (SSU): Frequently Asked Questions ADV990001 I Latest Servicing Stack Updates	KB5032391	N/A
2023-11 Cumulative Update for Windows Server 2016 for x64-based Systems	This security update includes quality improvements. When you install this KB: This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022. If you installed earlier updates, only the new updates contained in this package will be downloaded and installed on your device. For more information about security vulnerabilities, please refer to the new Security Update Guide website and the November 2023 Security Updates.	KB5032197	N/A
2023-11 Cumulative Update for .NET Framework 4.8 for Windows Server 2016 for x64	Security Improvements CVE-2023-36560 – .NET Framework Security Feature Bypass Vulnerability This security update addresses a security feature bypass vulnerability detailed in CVE-2023-36560. CVE-2023-36049 – .NET Framework Elevation of Privilege Vulnerability This security update addresses a elevation of privilege vulnerability detailed in CVE-2023-36049. Quality and Reliability Improvements There are no new Quality and Reliability Improvements in this update.	KB5031989	N/A

Security Patches:
BD **Pyxis™ Anesthesia Station ES**

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032391	N/A
2023-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032197	N/A

Windows Malicious Software Removal Tool x64 - v5.119	After the download, this tool runs one time to check your computer for infection by specific, prevalent malicious software (including Blaster, Sasser, and Mydoom) and helps remove any infection that is found. If an infection is found, the tool will display a status report the next time that you start your computer. A new version of the tool will be offered every month. If you want to manually run the tool on your computer, you can download a copy from the Microsoft Download Center, or you can run an online version from microsoft.com. This tool is not a replacement for an antivirus product. To help protect your computer, you should use an antivirus product.	KB890830	N/A
2023-11 Cumulative Update for Windows 10 Version 1809 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032196	N/A
2023-11 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows 10 Version 1809 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032337	N/A
2023-11 Servicing Stack Update for Windows Embedded Standard 7 for x86-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032383	N/A
2023-11 Cumulative Update for Windows 10 Version 1809 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032196	N/A

2023-11 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows 10 Version 1809 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032337	N/A
2023-11 Cumulative Update for Windows 10 Version 21H2 for x64-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032189	N/A
2023-10 Cumulative Update for .NET Framework 3.5, 4.8 and 4.8.1 for Windows 10 Version 21H2 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032338	N/A
SQL Server 2019 RTM Cumulative Update (CU) 23	CU23 for SQL Server 2019 RTM upgraded all SQL Server 2019 RTM instances and components installed through the SQL Server setup. CU23 can upgrade all editions and servicing levels of SQL Server 2019 RTM to the CU23 level. For customers in need of additional installation options, please visit the Microsoft Download Center to download the latest Cumulative Update (https://support.microsoft.com/kb/957826). To learn more about SQL Server 2019 RTM CU23, please visit the Microsoft Support (https://support.microsoft.com) Knowledge Base article KB5030333.	KB5030333	N/A
2023-11 .NET 6.0.25 Security Update for x64 Client	.2023-11 .NET 6.0.25 Security Update for x64 Client (KB5032883)	KB5032883	N/A

Security Patches:
BD **Pyxis**™ **CII Safe ES**

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Cumulative Update for Windows 10 Version 1809 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032196	N/A
2023-11 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows 10 Version 1809 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032337	N/A

Windows Malicious Software Removal Tool x64 - v5.119	After the download, this tool runs one time to check your computer for infection by specific, prevalent malicious software (including Blaster, Sasser, and Mydoom) and helps remove any infection that is found. If an infection is found, the tool will display a status report the next time that you start your computer. A new version of the tool will be offered every month. If you want to manually run the tool on your computer, you can download a copy from the Microsoft Download Center, or you can run an online version from microsoft.com. This tool is not a replacement for an antivirus product. To help protect your computer, you should use an antivirus product.	KB890830	N/A
2023-11 Cumulative Update for Windows 10 Version 21H2 for x64-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032189	N/A
2023-10 Cumulative Update for .NET Framework 3.5, 4.8 and 4.8.1 for Windows 10 Version 21H2 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032338	N/A
SQL Server 2019 RTM Cumulative Update (CU) 23	CU23 for SQL Server 2019 RTM upgraded all SQL Server 2019 RTM instances and components installed through the SQL Server setup. CU23 can upgrade all editions and servicing levels of SQL Server 2019 RTM to the CU23 level. For customers in need of additional installation options, please visit the Microsoft Download Center to download the latest Cumulative Update (https://support.microsoft.com/kb/957826). To learn more about SQL Server 2019 RTM CU23, please visit the Microsoft Support (https://support.microsoft.com) Knowledge Base article KB5030333.	KB5030333	N/A

| 2023-11 .NET 6.0.25 Security Update for x64 Client | .2023-11 .NET 6.0.25 Security Update for x64 Client (KB5032883) | KB5032883 | N/A |

BD

Security Patches:
BD **Pyxis™ Medstation™ ES**

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Cumulative Update for .NET Framework 4.8 for Windows 10 Version 1607 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5031989	N/A
2023-11 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032391	N/A

Windows Malicious Software Removal Tool x64 - v5.119	After the download, this tool runs one time to check your computer for infection by specific, prevalent malicious software (including Blaster, Sasser, and Mydoom) and helps remove any infection that is found. If an infection is found, the tool will display a status report the next time that you start your computer. A new version of the tool will be offered every month. If you want to manually run the tool on your computer, you can download a copy from the Microsoft Download Center, or you can run an online version from microsoft.com. This tool is not a replacement for an antivirus product. To help protect your computer, you should use an antivirus product.	KB890830	N/A
2023-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032197	N/A
2023-11 Servicing Stack Update for Windows Embedded Standard 7 for x86-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032383	N/A
2023-11 Cumulative Update for Windows 10 Version 1809 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032196	N/A
2023-11 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows 10 Version 1809 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032337	N/A

2023-11 Cumulative Update for Windows 10 Version 21H2 for x64-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032189	N/A
2023-10 Cumulative Update for .NET Framework 3.5, 4.8 and 4.8.1 for Windows 10 Version 21H2 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032338	N/A
SQL Server 2019 RTM Cumulative Update (CU) 23	CU23 for SQL Server 2019 RTM upgraded all SQL Server 2019 RTM instances and components installed through the SQL Server setup. CU23 can upgrade all editions and servicing levels of SQL Server 2019 RTM to the CU23 level. For customers in need of additional installation options, please visit the Microsoft Download Center to download the latest Cumulative Update (https://support.microsoft.com/kb/957826). To learn more about SQL Server 2019 RTM CU23, please visit the Microsoft Support (https://support.microsoft.com) Knowledge Base article KB5030333.	KB5030333	N/A
2023-11 .NET 6.0.25 Security Update for x64 Client	.2023-11 .NET 6.0.25 Security Update for x64 Client (KB5032883)	KB5032883	N/A

BD

Security Patches:
BD **Pyxis™ Enterprise Server**

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Servicing Stack Update for Windows Server 2008 for x64-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032384	N/A
2023-11 Security Monthly Quality Rollup for Windows Server 2008 for x86-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032254	N/A

2023-11 Security Only Quality Update for Windows Server 2008 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032248	N/A
2023-11 Cumulative Update for Windows Server 2016 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032197	N/A
2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems	Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.	KB5032391	N/A
Windows Malicious Software Removal Tool x64 - v5.119	After the download, this tool runs one time to check your computer for infection by specific, prevalent malicious software (including Blaster, Sasser, and Mydoom) and helps remove any infection that is found. If an infection is found, the tool will display a status report the next time that you start your computer. A new version of the tool will be offered every month. If you want to manually run the tool on your computer, you can download a copy from the Microsoft Download Center, or you can run an online version from microsoft.com. This tool is not a replacement for an antivirus product. To help protect your computer, you should use an antivirus product	KB890830	N/A
2023-11 Cumulative Update for Windows Server 2019 for x64-based Systems	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032196	N/A

2023-11 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows Server 2019 for x64	A security issue has been identified in a Microsoft software product that could affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article. After you install this update, you may have to restart your system.	KB5032337	N/A
SQL Server 2019 RTM Cumulative Update (CU) 23	CU23 for SQL Server 2019 RTM upgraded all SQL Server 2019 RTM instances and components installed through the SQL Server setup. CU23 can upgrade all editions and servicing levels of SQL Server 2019 RTM to the CU23 level. For customers in need of additional installation options, please visit the Microsoft Download Center to download the latest Cumulative Update (https://support.microsoft.com/kb/957826). To learn more about SQL Server 2019 RTM CU23, please visit the Microsoft Support (https://support.microsoft.com) Knowledge Base article KB5030333.	KB5030333	N/A
2023-11 .NET 6.0.25 Security Update for x64 Server	2023-11 .NET 6.0.25 Security Update for x64 Server (KB5032883).	KB5032883	N/A

Security Patches:
BD Pyxis™ SupplyStation™

November 2023

BD has identified patches from Microsoft® that have been identified as critical or security related for November 2023. These patches were not found to adversely affect BD products and will be applied according to customers' service agreements.

Customers that maintain patches independent of BD automated delivery should ensure the validated patches are installed on their BD systems as the acting responsible entity in order to maintain the correct security posture of the system(s).

Microsoft® patches

Patch name	Description	Patch ID	Notes
2023-11 Security Only Quality Update for Windows Server 2008 for x86-based Systems (KB5032248)	This update makes improvements for the following issue: • This update includes daylight saving time (DST) changes for Syria. For more information, see Syria 2022 time zone update now available.	KB5032248	N/A

| 2023-11 Servicing Stack Update for Windows Embedded Standard 7 for x86-based Systems (KB5032383) | This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates. | KB5032383 | N/A |

2023-11 Security Monthly Quality Rollup for Windows Server 2008 for x86-based Systems (KB5032254)	This cumulative security update contains improvements that are part of update KB5031416 (released October 10, 2023). This update also makes improvements for the following issue: • This update includes daylight saving time (DST) changes for Syria. For more information, see Syria 2022 time zone update now available.	KB5032254	N/A
2023-11 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5032391)	This update makes quality improvements to the servicing stack, which is the component that installs Windows updates. Servicing stack updates (SSU) makes sure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates.	KB5032391	N/A
2023-11 Cumulative Update for Windows Server 2016 for x64-based Systems (KB5032197)	This security update includes quality improvements. When you install this KB: • This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022.	KB5032197	N/A
2023-11 Cumulative Update for .NET Framework 3.5, 4.7.2 and 4.8 for Windows Server 2019 for x64 (KB5032337)	This article describes the security and cumulative update for 3.5, 4.7.2 and 4.8 for Windows 10, version 1809 and Windows Server 2019. Security Improvements • CVE-2023-36560 – .NET Framework Security Feature Bypass Vulnerability This security update addresses a security feature bypass vulnerability detailed in CVE-2023-36560. • CVE-2023-36049 – .NET Framework Elevation of Privilege Vulnerability This security update addresses a elevation of privilege vulnerability detailed in CVE-2023-36049. Quality and Reliability Improvements • For a list of improvements that were released with this update, please see the article links in the Additional Information section of this article.	KB5032337	N/A

| 2023-11 Cumulative Update for .NET Framework 4.8 for Windows Server 2016 for x64 (KB5031989) | Security Improvements

• CVE-2023-36560 – .NET Framework Security Feature Bypass Vulnerability
This security update addresses a security feature bypass vulnerability detailed in CVE-2023-36560.

• CVE-2023-36049 – .NET Framework Elevation of Privilege Vulnerability
This security update addresses a elevation of privilege vulnerability detailed in CVE-2023-36049.

Quality and Reliability Improvements

• There are no new Quality and Reliability Improvements in this update. | KB5031989 | N/A |
| 2023-11 Cumulative Update for Windows Server 2019 for x64-based Systems (KB5032196) | This security update includes improvements. When you install this KB:

• This update supports daylight saving time (DST) changes in Syria. To learn more, see Interim guidance for Syria DST changes 2022.

• This update affects user mode printer drivers. They unload unexpectedly. This occurs when you print from multiple print queues to the same printer driver.

• This update addresses an issue that affects Xenon or Argon containers. They do not start.

• This update addresses an issue that affects NCryptGetProperty(). Calling it with NCRYPT_KEY_TYPE_PROPERTY returns 0x1 instead of 0x20. This occurs when the key is a machine key.

• This update includes quarterly changes to the Windows Kernel Vulnerable Driver Blocklist file, DriverSiPolicy.p7b. It adds to the list of drivers that are at risk for Bring Your Own Vulnerable Driver (BYOVD) attacks.

• This update addresses an issue that affects Windows LAPS. Its PasswordExpirationProtectionEnabled policy fails to turn on the setting.

• This update addresses an issue that affects an Application Virtualization (App-V) environment. Copy operations within it stop working. This occurs after you install the April 2023 update.

• This update addresses an issue that might affect a large reparse point. You might get a stop error when you use NTFS to access it. This issue occurs after a canceled FSCTL Set operation changes the reparse tag. | KB5032196 | N/A |

Windows Malicious Software Removal Tool x64 - v5.115	The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software from computers. Microsoft releases the MSRT on a monthly cadence as part of Windows Update or as a standalone tool. Use this tool to find and remove specific prevalent threats and reverse the changes they have made.	KB890830	**N/A**

BD