

BD Product Name: **BD Pyxis™ Med Station ES**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|--|---------------------------|-------|
| 2021-08 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. | KB5005030 | None |
| 2021-08 Servicing Stack Update for Windows 10 Version 1809 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. | KB5005112 | None |
| 2021-08 Security Monthly Quality Rollup for Windows Server 2012 R2 for | This security update includes improvements and fixes that were a part of update KB5004298 (released July | KB5005076 | None |



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| x64-based Systems | <p>13, 2021) and addresses the following issues:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391. This update also contains miscellaneous security improvements to internal OS functionality.</p> | | |
| 2021-08 Security Only Quality Update for Windows Server 2012 R2 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391. This update also contains</p> | KB5005106 | None |

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| | miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 for x64-based systems | This security update resolves vulnerabilities in Internet Explorer. | KB5005036 | None |
| 2021-08 Security Monthly Quality Rollup for Windows 7 for x64-based Systems | <p>This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality.</p> | KB5005088 | None |
| 2021-08 Cumulative Update for Windows Server 2016 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <p>Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode.</p> <p>Addresses an issue with zoom that occurs when using</p> | KB5005043 | None |

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| | <p>Microsoft Edge IE Mode on devices that use multiple high-DPI monitors.</p> <p>Addresses an issue that causes Windows to stop working when it uses AppLocker to validate a file that has multiple signatures. The error is 0x3B.</p> <p>Addresses an issue that might log requests for the wrong endpoint.</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue with Administrative Template settings you configure using a Group Policy Object (GPO). When you change the value of the policy settings to NOT CONFIGURED, the system continues to apply the previous settings instead of removing them. This issue occurs after installing the June 2020 or later updates and is most noticeable with roaming user profiles.</p> | | |
| <p>Windows Malicious Software Removal Tool x64 - v5.92</p> | <p>The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software from computers that are running any of the following operating systems:</p> <ul style="list-style-type: none"> ▪ Windows 10 ▪ Windows Server 2019 ▪ Windows Server 2016 ▪ Windows 8.1 | <p>KB890830</p> | <p>N/A</p> |

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| | <ul style="list-style-type: none"> ▪ Windows Server 2012 R2 ▪ Windows Server 2012 R2 ▪ Windows Server 2008 R2 ▪ Windows 7 ▪ Windows Server 2008 | | |
| 2021-08 Security and Quality Rollup for .NET Framework 3.5.1, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8 for Windows 7 | 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. | KB5004871 | None |
| 2021-08 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x86-based Systems. | This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | KB5005088 | None |

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| <p>2021-08 Security Only Quality Update for Windows Embedded Standard 7 for x86-based Systems.</p> | <p>This security update includes quality improvements. Key changes include: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality.</p> | <p>KB5005089</p> | <p>None</p> |
| <p>2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Embedded Standard 7 for x86-based systems.</p> | <p>This security update resolves vulnerabilities in Internet Explorer.</p> | <p>KB5005036</p> | <p>None</p> |
| <p>2021-08 Cumulative Update for Windows 10 Version 1607 for x64-based Systems.</p> | <p>This security update includes quality improvements. Key changes include: Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode. Addresses an issue with zoom that occurs when using Microsoft Edge IE Mode on devices that use multiple high-DPI monitors. Addresses an issue that causes Windows to stop working when it uses</p> | <p>KB5005043</p> | <p>N/A</p> |

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| | <p>AppLocker to validate a file that has multiple signatures. The error is 0x3B.</p> <p>Addresses an issue that might log requests for the wrong endpoint.</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue with Administrative Template settings you configure using a Group Policy Object (GPO). When you change the value of the policy settings to NOT CONFIGURED, the system continues to apply the previous settings instead of removing them. This issue occurs after installing the June 2020 or later updates and is most noticeable with roaming user profiles.</p> | | |
| <p>2021-08 Security Only Quality Update for Windows 7 for x64-based Systems</p> | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication</p> | <p>KB5005089</p> | <p>None</p> |

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| | (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | | |
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BD Product Name: **BD Pyxis™ Anesthesia ES**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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 to maintain the correct security posture of the system(s).

| Patch Name | Description | Patch ID | Notes |
|---|--|---------------------------|-------|
| 2021-08 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. | KB5005030 | None |
| 2021-08 Servicing Stack Update for Windows 10 Version 1809 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. | KB5005112 | None |
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Embedded Standard 7 for x86-based | This security update resolves vulnerabilities in Internet Explorer. | KB5005036 | None |



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| systems. | | | |
| 2021-08 Security Only Quality Update for Windows Embedded Standard 7 for x86-based Systems. | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality.</p> | KB5005089 | None |
| 2021-08 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x86-based Systems. | <p>This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and</p> | KB5005088 | None |

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| | scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Cumulative Update for Windows 10 Version 1607 for x64-based Systems. | <p>This security update includes quality improvements. Key changes include:</p> <p>Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode.</p> <p>Addresses an issue with zoom that occurs when using Microsoft Edge IE Mode on devices that use multiple high-DPI monitors.</p> <p>Addresses an issue that causes Windows to stop working when it uses AppLocker to validate a file that has multiple signatures. The error is 0x3B.</p> <p>Addresses an issue that might log requests for the wrong endpoint.</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue with Administrative Template settings you configure using a Group Policy Object (GPO). When you change the value of the policy settings to NOT CONFIGURED, the system continues to apply the</p> | KB5005043 | None |

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| | previous settings instead of removing them. This issue occurs after installing the June 2020 or later updates and is most noticeable with roaming user profiles. | | |
| Windows Malicious Software Removal Tool x64 - v5.92 | <p>The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software from computers that are running any of the following operating systems:</p> <ul style="list-style-type: none"> ▪ 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 | KB890830 | None |

BD Product Name: **BD Pyxis™ CIISafe ES**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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 to maintain the correct security posture of the system(s).

| Patch Name | Description | Patch ID | Notes |
|--|--|---------------------------|--------------|
| 2021-08 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. | KB5005030 | None |
| 2021-08 Servicing Stack Update for Windows 10 Version 1809 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. | KB5005112 | None |

BD Product Name: **BD Pyxis™ Security Module**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|---|--|---------------------------|-------|
| Windows Malicious Software Removal Tool | 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 | KB890830 | N/A |
| Cumulative security update for Internet Explorer: August 10, 2021 | This security update resolves vulnerabilities in Internet Explorer. | KB5005036 | N/A |
| August 10, 2021—KB5005076 (Monthly Rollup) | This security update includes improvements and fixes that were a part of update KB5004298 | KB5005076 | N/A |
| August 10, 2021—KB5005106 (Security-only update) | This security update includes quality improvements. Key changes include: <ul style="list-style-type: none">Changes the default privilege requirement for installing drivers when | KB5005106 | N/A |



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| | <p>using Point and Print. After installing this update, you must have administrative privileges to install drivers.</p> <ul style="list-style-type: none"> Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| August 10, 2021—KB5005088 (Monthly Rollup) | This security update includes improvements and fixes that were a part of update KB5004289 | KB5005088 | N/A |
| August 10, 2021—KB5005089 (Security-only update) | <p>This security update includes quality improvements. Key changes include:</p> <ul style="list-style-type: none"> Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. This update also contains miscellaneous security improvements to internal OS functionality. | KB5005089 | N/A |
| Security and Quality Rollup for .NET Framework 3.5.1 for Windows 7 SP1 and Windows Server 2008 R2 SP1 | This security update is elevation of privilege vulnerability exists when ASP.NET or .NET Framework web applications running on IIS improperly allow access to cached files. | KB4569767 | N/A |

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| Security and Quality Rollup for .NET Framework 3.5.1 for Windows 7 SP1 and Windows Server 2008 R2 SP1 | This security update is an information disclosure vulnerability exists when the .NET Framework improperly handles objects in memory. An attacker who successfully exploited the vulnerability could disclose contents of an affected system's memory. To exploit the vulnerability, an authenticated attacker would need to run a specially crafted application. The update addresses the vulnerability by correcting how the .NET Framework handles objects in memory. | KB4578952 | N/A |
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BD Product Name: **BD Pyxis® PARx**

Date of Critical or Security Patches: Aug 2021

Abstract: Critical or Security Patches – Aug 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for Aug 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|---|---|---------------------------|-------|
| Malicious Software Removal Tool - KB890830 (Version 5.92) | 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 | KB890830 | N/A |
| 2021-08 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB5005043) | This windows updates include following: Update an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode. Updates an issue with zoom that occurs when you use Microsoft Edge IE Mode on devices that use multiple high-DPI monitors. Updates the default installation privilege requirement so that you must be an administrator to install drivers when using Point and Print. | KB5005043 | N/A |



BD Product Name: **BD Pyxis™ Supply**

Date of Critical or Security Patches: Aug 2021

Abstract: Critical or Security Patches – Aug 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for Aug 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|--|---------------------------|-------|
| 2021-08 Security Monthly Quality Rollup for Windows Server 2012 R2 for x64-based Systems | <p>This security update includes improvements and fixes that were a part of update KB5004298 (released July 13, 2021) and addresses the following issues:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391.</p> <p>This update also contains miscellaneous security improvements to internal OS functionality.</p> | KB5005076 | None |



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| <p>2021-08 Security Only Quality Update for Windows Server 2012 R2 for x64-based Systems</p> | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391</p> <p>This update also contains miscellaneous security improvements to internal OS functionality.</p> | <p>KB5005106</p> | <p>None</p> |
| <p>2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 for x64-based systems</p> | <p>This security update resolves vulnerabilities in Internet Explorer.</p> | <p>KB5005036</p> | <p>None</p> |
| <p>2021-08 Security Only Quality Update for Windows 7 for x64-based Systems</p> | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which</p> | <p>KB5005089</p> | <p>None</p> |



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| | Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Security Monthly Quality Rollup for Windows 7 for x64-based Systems | <p>This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality.</p> | KB5005088 | None |
| 2021-08 Cumulative Update for Windows Server 2016 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <p>Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode.</p> <p>Addresses an issue with zoom</p> | KB5005043 | None |

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| | <p>that occurs when using Microsoft Edge IE Mode on devices that use multiple high-DPI monitors.</p> <p>Addresses an issue that causes Windows to stop working when it uses AppLocker to validate a file that has multiple signatures. The error is 0x3B.</p> <p>Addresses an issue that might log requests for the wrong endpoint.</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue with Administrative Template settings you configure using a Group Policy Object (GPO). When you change the value of the policy settings to NOT CONFIGURED, the system continues to apply the previous settings instead of removing them. This issue occurs after installing the June 2020 or later updates and is most noticeable with roaming user profiles.</p> | | |
| <p>2021-08 Cumulative Update for Windows 10 Version 1809 for x64-based Systems</p> | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use</p> | <p>KB5005030</p> | <p>None</p> |

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| | <p>Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Updates the default installation privilege requirement so that you must be an administrator to install drivers when using Point and Print.</p> | | |
| 2021-08 Servicing Stack Update for Windows 10 Version 1809 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. | KB5005112 | None |
| 2021-08 Cumulative Update for Windows 10 Version 2004 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) ensure that you have a robust and reliable servicing stack so that your devices can receive and install Microsoft updates. Updates the default installation privilege requirement so that you must be an administrator to install drivers when using Point and Print. | KB5005033 | None |
| 2021-07 Update for Windows 10 Version 21H1 for x64-based Systems | This update includes reliability improvements to Windows Update Service components in all editions of Windows 10, version 1507, 1511, 1607, 1703, 1709, 1803, 1809, 1903, 1909, 2004, 20H2, and 21H1. It may take steps to free up disk space on your device if you do not have enough disk space to install Windows | KB4023057 | None |



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| | updates. | | |
| Cumulative Update for .NET Framework 3.5 and 4.8 for Windows 10, version 2004, Windows Server, version 2004, Windows 10, version 20H2, and Windows Server, version 20H2, and Windows Version 21H1 | The August 10, 2021 update for Windows 10, version 2004, Windows Server, version 2004, Windows 10, version 20H2, and Windows Server, version 20H2, and Windows Version 21H1 includes cumulative reliability improvements in .NET Framework 3.5 and 4.8. We recommend that you apply this update as part of your regular maintenance routines. | KB5004331 | None |
| Security intelligence updates for Microsoft Defender Antivirus and other Microsoft antimalware | Microsoft continually updates security intelligence in antimalware products to cover the latest threats and to constantly tweak detection logic, enhancing the ability of Microsoft Defender Antivirus and other Microsoft antimalware solutions to accurately identify threats. This security intelligence works directly with cloud-based protection to deliver fast and powerful AI-enhanced, next-generation protection. | KB2267602 | None |
| Remove specific prevalent malware with Windows Malicious Software Removal Tool | 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. | KB890830 | None |

BD Product Name: **BD Pyxis® Connect**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|--|--------------------------|-------|
| Malicious Software Removal Tool - KB890830 (Version 5.92) | 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 | KB890830 | N/A |
| Security Intelligence Update for Windows Defender Antivirus Version 1.343.1673.0 | Microsoft works to help make computing as secure as possible for our customers. As part of this effort, Microsoft Windows Defender regularly downloads updates to the definition files that are used to identify spyware and other potentially unwanted software. | KB915597 | None |



BD Product Name: **BD Pyxis™ CIISafe™**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|--|---------------------------|-------|
| 2021-08 Security Monthly Quality Rollup for Windows 7 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. | KB5005088 | N/A |
| 2021-08 Cumulative Security Update for Internet Explorer 9 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 | KB5005036 | N/A |

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| <p>August 10, 2021— KB5005089 (Security-only update)</p> | <p>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.</p> | <p>KB 5005089</p> | <p>N/A</p> |
| <p>Windows Malicious Software Removal Tool x64 - v5.92</p> | <p>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.</p> | <p>KB 890830</p> | <p>N/A</p> |
| <p>2021-08 Security and Quality Rollup for .NET Framework 3.5.1, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8 for Windows 7</p> | <p>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.</p> | <p>KB 5004871</p> | <p>N/A</p> |

BD Product Name: BD Pyxis™ **CUBIE™ Replenishment System**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|--|---------------------------|-------|
| 2021-08 Security Monthly Quality Rollup for Windows 7 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. | KB5005088 | N/A |
| 2021-08 Cumulative Security Update for Internet Explorer 9 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 | KB5005036 | N/A |



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| August 10, 2021— KB5005089 (Security- only update) | 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. | KB 5005089 | N/A |
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BD Product Name: **BD Pyxis™ IV Prep**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|---|--|---------------------------|-------|
| 2021-08 Security and Quality Rollup for .NET Framework 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 Server 2012 R2 for x64 | 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. | KB5004873 | None |
| Windows Malicious Software Removal Tool x64 - v5.90 | 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 | KB890830 | None |
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 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 | KB5005036 | None |



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| 2021-08 Security Only Quality Update for Windows Server 2012 R2 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. | KB5005106 | None |
| 2021-07 Security and Quality Rollup for .NET Framework 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 Server 2012 R2 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. | KB5005076 | None |
| 2021-08 Security and Quality Rollup for .NET Framework 4.8 for Windows Server 2012 R2 for x64 | 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. | KB5004754 | None |
| 2021-08 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 | KB5005043 | None |

BD Product Name: **BD Pyxis™ Pharmogistics™**
 Date of Critical or Security Patches: August 2021
 Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|---|---------------------------|-------|
| Windows Malicious Software Removal Tool x64 - v5.85 | 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 7 Windows Server 2008 R2 for x64-based Systems | KB890830 | N/A |
| 2021-08 Security Only Quality Update for Windows Server 2008 R2 for x64-based Systems (KB5005089) Last Modified: 8/9/2021 | This security update includes quality improvements. Key changes include: <ul style="list-style-type: none"> Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, | KB5005089 | N/A |



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| | <p>and CVE-2021-34481 for more information.</p> <ul style="list-style-type: none"> Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-04 Update for Windows Server 2008 R2 for x64-based Systems | <p>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.</p> | KB4601275 | N/A |
| 2021-07 Security Only Quality Update for Windows Server 2008 R2 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <ul style="list-style-type: none"> Addresses a remote code execution exploit in the Windows Print Spooler service, known as "PrintNightmare", as documented in CVE-2021-34527. | KB5004951 | N/A |
| 2021-05 Security Only Quality Update for Windows Server 2008 R2 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <ul style="list-style-type: none"> Addresses an issue in | KB5003228 | N/A |

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| | <p>the Server Message Block (SMB) protocol which may cause frequent crashes with Stop error 0xA on devices that run Windows Server 2008 R2 Service Pack 1 (SP1).</p> <ul style="list-style-type: none"> • Security updates to Windows App Platform and Frameworks, and Windows Silicon Platform. | | |
| 2021-04 Security Only Quality Update for Windows Server 2008 R2 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <ul style="list-style-type: none"> • Addresses a time zone change for Volgograd, Russia from UTC+4 to UTC+3 Moscow Standard Time (MSK). • Addresses a time zone change for The Republic of South Sudan from UTC+3 to UTC+2 Juba. For more information about this change, see KB 4601275. • Security updates to Windows Apps, Windows Hybrid Cloud Networking, and Windows Media. | KB5001392 | N/A |
| 2021-03 Security Only Quality Update for Windows Server 2008 R2 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <ul style="list-style-type: none"> • Addresses an issue in which a non-native device that is in the same realm does not receive a Kerberos | KB5000851 | N/A |

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| | <p>Service ticket from Active Directory DCs. This issue occurs even though Windows Updates are installed that contain CVE-2020-17049 protections released between November 10 and December 8, 2020 and configured PerfromTicketSignature to 1 or larger. Ticket acquisition fails with KRB_GENERIC_ERROR if callers submit a PAC-less Ticket Granting Ticket (TGT) as an evidence ticket without the USER_NO_AUTH_DATA_REQUIRED flag being set for the user in User Account Controls.</p> <ul style="list-style-type: none"> Security updates to Windows Fundamentals, Windows Shell, Windows UAC, Windows Hybrid Cloud Networking, and Windows Media. | | |
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Server 2008 R2 for x64-based systems | This security update resolves vulnerabilities in Internet Explorer. To learn more about these vulnerabilities, see Microsoft Common Vulnerabilities and Exposures . | KB5005036 | N/A |
| 2021-08 Security Monthly Quality Rollup for Windows Server 2008 R2 for x64-based Systems | This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues: | KB5005088 | N/A |

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| | <ul style="list-style-type: none"> Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 for x64-based systems | his security update resolves vulnerabilities in Internet Explorer. To learn more about these vulnerabilities, see Microsoft Common Vulnerabilities and Exposures . | KB5005036 | |
| 2021-08 Security Only Quality Update for Windows Server 2012 R2 for x64-based Systems | This security update includes quality improvements. Key changes include: <ul style="list-style-type: none"> Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must | KB5005106 | |

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| | <p>have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <ul style="list-style-type: none"> • Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391 • This update also contains miscellaneous security improvements to internal OS functionality. | | |
| <p>2021-08 Security Monthly Quality Rollup for Windows Server 2012 R2 for x64-based Systems</p> | <p>This security update includes improvements and fixes that were a part of update KB5004298 (released July 13, 2021) and addresses the following issues:</p> <ul style="list-style-type: none"> • Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more | <p>KB5005076</p> | |

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| | <p>information.</p> <ul style="list-style-type: none"> Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Cumulative Update for Windows Server 2016 for x64-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <ul style="list-style-type: none"> Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode. Addresses an issue with zoom that occurs when using Microsoft Edge IE Mode on devices that use multiple high-DPI monitors. Addresses an issue that causes Windows to stop working when it uses AppLocker to validate a file that has multiple signatures. The error is 0x3B. Addresses an issue that might log requests for the wrong endpoint. Changes the default privilege requirement for installing drivers | KB5005043 | |

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| | when using Point and Print. After installing this update, you must have administrative privileges to install drivers. | | |
| 2021-05 Update for Windows 10 Version 1507 for x64-based Systems | This update includes reliability improvements to Windows Update Service components in all editions of Windows 10, version 1507, 1511, 1607, 1703, 1709, 1803, 1809, 1903, 1909, 2004, 20H2, and 21H1. It may take steps to free up disk space on your device if you do not have enough disk space to install Windows updates. | KB4023057 | |
| 2021-08 Dynamic Cumulative Update for Windows 10 Version 20H2 for x64-based Systems | Updates the default installation privilege requirement so that you must be an administrator to install drivers when using Point and Print . | KB5005033 | |

BD Product Name: **BD Pyxis™ Anesthesia Station 4000**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|--|---------------------------|-------|
| Windows Malicious Software Removal Tool x64. | The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software. | KB890830 | N/A |
| 2021-08 Cumulative Update for Windows 10 Version 1607 for x64-based Systems. | This security update includes quality improvements. Key changes include: Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode. Addresses an issue with zoom that occurs when using Microsoft Edge IE Mode on devices that use multiple high-DPI monitors. Addresses an issue that causes Windows to stop working when it uses AppLocker to validate a file that has multiple signatures. The error is 0x3B. Addresses an issue that might log requests for the wrong endpoint. Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have | KB5005043 | N/A |



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| | <p>administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue with Administrative Template settings you configure using a Group Policy Object (GPO). When you change the value of the policy settings to NOT CONFIGURED, the system continues to apply the previous settings instead of removing them. This issue occurs after installing the June 2020 or later updates and is most noticeable with roaming user profiles.</p> | | |
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Embedded Standard 7 for x86-based systems. | This security update resolves vulnerabilities in Internet Explorer. | KB5005036 | N/A |
| 2021-08 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x86-based Systems. | <p>This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and</p> | KB5005088 | N/A |

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| | scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Security Only Quality Update for Windows Embedded Standard 7 for x86-based Systems. | This security update includes quality improvements. Key changes include: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | KB5005089 | N/A |

BD Product Name: **BD Pyxis™ Anesthesia System 3500**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|--|---------------------------|-------|
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Embedded Standard 7 for x86-based systems. | This security update resolves vulnerabilities in Internet Explorer. | KB5005036 | N/A |
| 2021-08 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x86-based Systems | This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. | KB5005088 | N/A |



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| | This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Security Only Quality Update for Windows Embedded Standard 7 for x86-based Systems | <p>This security update includes quality improvements. Key changes include: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality.</p> | KB5005089 | N/A |

BD Product Name: **BD Pyxis™ MedStation™ 3500**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|---|---------------------------|-------|
| 2021-08 Cumulative Security Update for Internet Explorer 11 for Windows Embedded Standard 7 for x86-based systems. | This security update resolves vulnerabilities in Internet Explorer. | KB5005036 | N/A |
| 2021-08 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x86-based Systems | This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains | KB5005088 | N/A |



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| | miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Security Only Quality Update for Windows Embedded Standard 7 for x86-based Systems | This security update includes quality improvements. Key changes include: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | KB5005089 | N/A |
| Windows Malicious Software Removal Tool - v5.92 | The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software. | KB890830 | N/A |
| 2021-08 Security Monthly Quality Rollup for Windows Server 2008 for x86-based Systems | This security update includes improvements and fixes that were a part of update KB5004305 (released July 13, 2021) and addresses the following issues: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use | KB5005090 | N/A |

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| | <p>Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005390. This update also contains miscellaneous security improvements to internal OS functionality.</p> | | |
| <p>2021-08 Security Only Quality Update for Windows Server 2008 for x86-based Systems</p> | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391. This update also contains miscellaneous security improvements to internal OS functionality.</p> | <p>KB5005095</p> | <p>N/A</p> |

BD Product Name: **BD Pyxis™ MedStation™ 4000**

Date of Critical or Security Patches: August 2021

Abstract: Critical or Security Patches – August 2021

Microsoft® & Third-Party Patches

BD has identified patches from Microsoft that have been identified as critical or security related for August 2021. These patches were not found to adversely affect BD products and will be applied according to customers' service agreement.

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).

| Patch Name | Description | Patch ID | Notes |
|--|---|---------------------------|-------|
| Windows Malicious Software Removal Tool x64 - v5.92 | The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software. | KB890830 | N/A |
| 2021-08 Cumulative Update for Windows 10 Version 1607 for x64-based Systems. | This security update includes quality improvements. Key changes include: Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode. Addresses an issue with zoom that occurs when using Microsoft Edge IE Mode on devices that use multiple high-DPI monitors. Addresses an issue that causes Windows to stop working when it uses AppLocker to validate a file that has multiple signatures. The error is 0x3B. Addresses an issue that might log requests for the wrong endpoint. Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to | KB5005043 | N/A |



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| | <p>install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue with Administrative Template settings you configure using a Group Policy Object (GPO). When you change the value of the policy settings to NOT CONFIGURED, the system continues to apply the previous settings instead of removing them. This issue occurs after installing the June 2020 or later updates and is most noticeable with roaming user profiles.</p> | | |
| <p>2021-08 Cumulative Update for Windows Server 2016 for x64-based Systems.</p> | <p>This security update includes quality improvements. Key changes include:</p> <p>Addresses an issue that renders some Yu Gothic and Yu Mincho characters incorrectly in vertical writing mode.</p> <p>Addresses an issue with zoom that occurs when using Microsoft Edge IE Mode on devices that use multiple high-DPI monitors.</p> <p>Addresses an issue that causes Windows to stop working when it uses AppLocker to validate a file that has multiple signatures. The error is 0x3B.</p> <p>Addresses an issue that might log requests for the wrong endpoint.</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see</p> | <p>KB5005043</p> | <p>N/A</p> |

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| | <p>KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue with Administrative Template settings you configure using a Group Policy Object (GPO). When you change the value of the policy settings to NOT CONFIGURED, the system continues to apply the previous settings instead of removing them. This issue occurs after installing the June 2020 or later updates and is most noticeable with roaming user profiles.</p> | | |
| Windows Malicious Software Removal Tool - v5.92 | The Windows Malicious Software Removal Tool (MSRT) helps remove malicious software. | KB890830 | N/A |
| 2021-08 Security Monthly Quality Rollup for Windows Server 2008 for x86-based Systems. | <p>This security update includes improvements and fixes that were a part of update KB5004305 (released July 13, 2021) and addresses the following issues:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005390. This update also contains miscellaneous security</p> | KB5005090 | N/A |

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| | improvements to internal OS functionality. | | |
| 2021-08 Security Only Quality Update for Windows Server 2008 for x86-based Systems. | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005391.</p> <p>This update also contains miscellaneous security improvements to internal OS functionality.</p> | KB5005095 | N/A |
| 2021-08 Security Only Quality Update for Windows Embedded Standard 7 for x86-based Systems | <p>This security update includes quality improvements. Key changes include:</p> <p>Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information.</p> <p>Addresses an issue in which Smart Card Authentication</p> | KB5005089 | N/A |



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| | (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | | |
| 2021-08 Security Monthly Quality Rollup for Windows Embedded Standard 7 for x86-based Systems | This security update includes improvements and fixes that were a part of update KB5004289 (released July 13, 2021) and addresses the following issues: Changes the default privilege requirement for installing drivers when using Point and Print. After installing this update, you must have administrative privileges to install drivers. If you use Point and Print, see KB5005652, Point and Print Default Behavior Change, and CVE-2021-34481 for more information. Addresses an issue in which Smart Card Authentication (PIV) fails on non-RFC compliant printers and scanners requiring smartcard authentication. For more information, see KB5005392. This update also contains miscellaneous security improvements to internal OS functionality. | KB5005088 | N/A |