**Summary** The following is a list of the updates that Sensus has tested and approved to operate with our software running on Microsoft Windows Server.

| Date       | Title   | Description   | RNI<br>Version |
|------------|---|---|----------------|
| 01/26/2018 | <u>SQL Server 2012</u><br><u>Service Pack 4</u><br>(KB4018073)                | Service Pack 4 for SQL Server 2012 upgraded all<br>SQL Server 2012 instances and components installed<br>through the SQL Server setup. Service Pack 4 can<br>upgrade all editions of SQL Server 2012 to Service<br>Pack 4 level. For customers in need of additional<br>installation options, please visit the Microsoft<br>Download Center and download the Service Pack 4<br>SQL Server 2012. To learn more about SQL Server<br>2012 SP4 please visit the Microsoft Support<br>(http://support.microsoft.com) Knowledge Base<br>article KB 4018073.   | v4.6,v4.7      |
| 10/30/2018 | SQL Server 2014<br>Service Pack 3<br>(KB4022619)                              | Service Pack 3 for SQL Server 2014 upgraded all<br>SQL Server 2014 instances and components installed<br>through the SQL Server setup. Service Pack 3 can<br>upgrade all editions of SQL Server 2014 to Service<br>Pack 3 level. For customers in need of additional<br>installation options, please visit the Microsoft<br>Download Center and download the Service Pack 3<br>SQL Server 2014. To learn more about SQL Server<br>2014 SP3 please visit the Microsoft Support<br>(http://support.microsoft.com) Knowledge Base<br>article KB 4022619.   | v4.6,v4.7      |
| 07/09/2019 | Security Update<br>for SQL Server<br>2014 Service Pack<br>2 CU<br>(KB4505419) | A remote code execution vulnerability exists in<br>Microsoft SQL Server when it incorrectly handles<br>processing of internal functions. An attacker who<br>successfully exploited this vulnerability could<br>execute code in the context of the SQL Server<br>Database Engine service account. To exploit the<br>vulnerability, an authenticated attacker would need<br>to submit a specially crafted query to an affected<br>SQL server. The security update addresses the<br>vulnerability by modifying how the Microsoft SQL<br>Server Database Engine handles the processing of<br>functions. | v4.6,v4.7      |
| 07/09/2019 | Security Update<br>for SQL Server<br>2016 Service Pack                        | A remote code execution vulnerability exists in<br>Microsoft SQL Server when it incorrectly handles<br>processing of internal functions. An attacker who  | v4.6,v4.7      |

**Microsoft Windows Server 2016** 

|            | <u>1 CU</u><br>(KB4505221)   | successfully exploited this vulnerability could<br>execute code in the context of the SQL Server<br>Database Engine service account. To exploit the<br>vulnerability, an authenticated attacker would need<br>to submit a specially crafted query to an affected<br>SQL server. The security update addresses the<br>vulnerability by modifying how the Microsoft SQL<br>Server Database Engine handles the processing of<br>functions.   |           |
|------------|--|---|-----------|
| 07/29/2019 | SQL Server 2014<br>Service Pack 2<br>Cumulative<br>Update (CU) 18<br>KB4500180   | CU18 for SQL Server 2014 Service Pack 2 upgraded<br>all SQL Server 2014 Service Pack 2 instances and<br>components installed through the SQL Server setup.<br>CU18 can upgrade all editions and servicing levels<br>of SQL Server 2014 Service Pack 2 to the CU18<br>level. For customers in need of additional installation<br>options, please visit the Microsoft Download Center<br>to download the latest Cumulative Update<br>(https://www.microsoft.com/en-<br>us/download/details.aspx?id=51187). To learn more<br>about SQL Server 2014 Service Pack 2 CU18, please<br>visit the Microsoft Support<br>(http://support.microsoft.com) Knowledge Base<br>article KB4500180. | v4.6,v4.7 |
| 01/14/2020 | Microsoft .NET<br>Framework 4.8<br>for Windows 10<br>Version 1607 and<br>Windows Server<br>2016 for x64<br>(KB4486129) | The Microsoft .NET Framework 4.8 is a highly<br>compatible, in-place update for all the previous<br>versions of .NET Framework 4.X. After you install<br>this update, you may have to restart your computer.  | v4.6,v4.7 |
| 03/13/2012 | Security Update<br>for Microsoft<br>Visual C++ 2010<br>Service Pack 1<br>Redistributable<br>Package<br>(KB2565063)     | A security issue has been identified leading to MFC<br>application vulnerability in DLL planting due to<br>MFC not specifying the full path to<br>system/localization DLLs. You can protect your<br>computer by installing this update from Microsoft.<br>After you install this item, you may have to restart<br>your computer.  | v4.6,v4.7 |
| 09/08/2020 | 2020-09 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB4576750)               | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.  | v4.6,v4.7 |

| 01/12/2021 | 2021-01<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB4597247) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
|------------|--|--|-----------|
| 01/12/2021 | Security Update<br>for SQL Server<br>2016 Service Pack<br>2 CU<br>(KB4583461)                                  | Security issues have been identified in the SQL<br>Server 2016 Service Pack 2 CU that could allow an<br>attacker to compromise your system and gain control<br>over it. You can help protect your computer by<br>installing this update from Microsoft. After you<br>install this item, you may have to restart your<br>computer.  | v4.6,v4.7 |
| 02/09/2021 | 2021-02<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB4601051) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system.   | v4.6,v4.7 |
| 02/11/2021 | SQL Server 2016<br>Service Pack 2<br>Cumulative<br>Update (CU) 16<br>KB5000645                                 | CU16 for SQL Server 2016 Service Pack 2 upgraded<br>all SQL Server 2016 Service Pack 2 instances and<br>components installed through the SQL Server setup.<br>CU16 can upgrade all editions and servicing levels<br>of SQL Server 2016 Service Pack 2 to the CU16<br>level. For customers in need of additional installation<br>options, please visit the Microsoft Download Center<br>to download the latest Cumulative Update<br>(https://support.microsoft.com/en-us/kb/957826). To<br>learn more about SQL Server 2016 Service Pack 2<br>CU16, please visit the Microsoft Support<br>(http://support.microsoft.com) Knowledge Base<br>article KB5000645. | v4.6,v4.7 |
| 02/13/2021 | 2021-02 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5001078)       | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 03/09/2021 | 2021-01 Update<br>for Windows<br>Server 2016 for<br>x64-based  | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge  | v4.6,v4.7 |

|            | <u>Systems</u><br>(KB4589210)  | Base article for more information. After you install this item, you may have to restart your computer.   |           |
|------------|--|--|-----------|
| 03/29/2021 | SQL Server 2016<br>Service Pack 2<br>Cumulative<br>Update (CU) 17<br>KB5001092                                 | CU17 for SQL Server 2016 Service Pack 2 upgraded<br>all SQL Server 2016 Service Pack 2 instances and<br>components installed through the SQL Server setup.<br>CU17 can upgrade all editions and servicing levels<br>of SQL Server 2016 Service Pack 2 to the CU17<br>level. For customers in need of additional installation<br>options, please visit the Microsoft Download Center<br>to download the latest Cumulative Update<br>(https://support.microsoft.com/en-us/kb/957826). To<br>learn more about SQL Server 2016 Service Pack 2<br>CU17, please visit the Microsoft Support<br>(http://support.microsoft.com) Knowledge Base<br>article KB5001092. | v4.6,v4.7 |
| 04/13/2021 | 2021-04 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5001402)       | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 05/11/2021 | 2021-05<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5001841) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 06/08/2021 | 2021-06<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5003542) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 07/13/2021 | 2021-07<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5004115) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 08/10/2021 | 2021-08<br>Cumulative  | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in   | v4.6,v4.7 |

|            | Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5004752)                          | this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   |           |
|------------|--|--|-----------|
| 09/14/2021 | 2021-09 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5005698)       | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 10/12/2021 | 2021-10<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5006065) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 11/09/2021 | 2021-11<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5007152) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 11/22/2021 | SQL Server 2016<br>Service Pack 3<br>(KB5003279)   | Service Pack 3 for SQL Server 2016 upgraded all<br>SQL Server 2016 instances and components installed<br>through the SQL Server setup. Service Pack 3 can<br>upgrade all editions of SQL Server 2016 to Service<br>Pack 3 level. For customers in need of additional<br>installation options, please visit the Microsoft<br>Download Center and download the Service Pack 3<br>SQL Server 2016. To learn more about SQL Server<br>2016 SP3 please visit the Microsoft Support<br>(https://support.microsoft.com) Knowledge Base<br>article KB 5003279. | v4.6,v4.7 |
| 01/11/2022 | 2022-01<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5008877) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system.   | v4.6,v4.7 |

| 02/08/2022 | 2022-02<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5010460) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
|------------|--|--|-----------|
| 03/08/2022 | 2022-03 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5011570)       | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 04/12/2022 | 2022-04<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5012118) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 04/12/2022 | 2022-04<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5012596)         | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 05/10/2022 | 2022-05<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5013625) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 05/10/2022 | 2022-05 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5014026)       | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 05/10/2022 | 2022-05<br>Cumulative<br>Update for<br>Windows Server  | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues   | v4.6,v4.7 |

|            | 2016 for x64-<br>based Systems<br>(KB5013952)  | that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system.   |           |
|------------|--|--|-----------|
| 05/19/2022 | SQL Server 2016<br>Service Pack 3<br>Azure Connect<br>Pack KB5014242                                     | Azure Connect Pack for SQL Server 2016 Service<br>Pack 3 upgraded all SQL Server 2016 Service Pack 3<br>instances and components installed through the SQL<br>Server setup. Azure Connect Pack can upgrade all<br>editions and servicing levels of SQL Server 2016<br>Service Pack 3 . For customers in need of additional<br>installation options, please visit the Microsoft<br>Download Center to download the latest Cumulative<br>Update (https://support.microsoft.com/kb/957826).<br>To learn more about SQL Server 2016 Service Pack<br>3 Azure Connect Pack, please visit the Microsoft<br>Support (https://support.microsoft.com) Knowledge<br>Base article KB5014242. | v4.6,v4.7 |
| 06/14/2022 | Security Update<br>for SQL Server<br>2016 Service Pack<br>3 CU<br>(KB5015371)                            | Security issues have been identified in the SQL<br>Server 2016 Service Pack 3 CU that could allow an<br>attacker to compromise your system and gain control<br>over it. You can help protect your computer by<br>installing this update from Microsoft. After you<br>install this item, you may have to restart your<br>computer.  | v4.6,v4.7 |
| 06/14/2022 | Security Update<br>for SQL Server<br>2014 Service Pack<br>3 CU<br>(KB5014164)                            | Security issues have been identified in the SQL<br>Server 2014 Service Pack 3 CU that could allow an<br>attacker to compromise your system and gain control<br>over it. You can help protect your computer by<br>installing this update from Microsoft. After you<br>install this item, you may have to restart your<br>computer.  | v4.6,v4.7 |
| 06/14/2022 | 2022-06<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5014702)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system.   | v4.6,v4.7 |
| 07/12/2022 | 2022-07 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5016058) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |

| 07/12/2022 | 2022-07<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5015808)         | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
|------------|--|--|-----------|
| 08/09/2022 | 2022-08<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5016622)         | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 08/09/2022 | 2022-08 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5017095)       | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 09/13/2022 | 2022-09<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5017305)         | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 09/13/2022 | 2022-09<br>Cumulative<br>Update for .NET<br>Framework 4.8<br>for Windows<br>Server 2016 for<br>x64 (KB5017035) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 09/13/2022 | 2022-09 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5017396)       | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 10/11/2022 | 2022-10<br>Cumulative<br>Update for<br>Windows Server  | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues   | v4.6,v4.7 |

|            | 2016 for x64-<br>based Systems<br>(KB5018411)  | that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system.   |           |
|------------|--|--|-----------|
| 11/08/2022 | 2022-11<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5019964) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 12/13/2022 | 2022-12<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5021235) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 01/10/2023 | 2023-01<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5022289) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 02/14/2023 | 2023-02<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5022838) | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 02/14/2023 | Security Update<br>for SQL Server<br>2016 Service Pack<br>3 CU<br>(KB5021128)                          | Security issues have been identified in the SQL<br>Server 2016 Service Pack 3 CU that could allow an<br>attacker to compromise your system and gain control<br>over it. You can help protect your computer by<br>installing this update from Microsoft. After you<br>install this item, you may have to restart your<br>computer.  | v4.6,v4.7 |
| 03/14/2023 | 2023-03<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-                                 | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated   | v4.6,v4.7 |

|            | based Systems<br>(KB5023697)   | Microsoft Knowledge Base article. After you install this update, you may have to restart your system.  |           |
|------------|--|--|-----------|
| 03/14/2023 | 2023-03 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5023788) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 04/11/2023 | 2023-04<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5025228)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 05/09/2023 | 2023-05<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5026363)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 06/13/2023 | 2023-06<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5027219)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 07/11/2023 | 2023-07<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5028169)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 08/08/2023 | 2023-08<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5029242)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |

|            |  |  | 1         |
|------------|--|--|-----------|
| 09/12/2023 | 2023-09 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5030504) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 09/12/2023 | 2023-09<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5030213)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 10/10/2023 | Security Update<br>for SQL Server<br>2016 Service Pack<br>3 CU<br>(KB5029187)                            | Security issues have been identified in the SQL<br>Server 2016 Service Pack 3 CU that could allow an<br>attacker to compromise your system and gain control<br>over it. You can help protect your computer by<br>installing this update from Microsoft. After you<br>install this item, you may have to restart your<br>computer.  | v4.6,v4.7 |
| 10/10/2023 | 2023-10<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5031362)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 11/14/2023 | 2023-11 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5032391) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 11/14/2023 | 2023-11<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5032197)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 12/12/2023 | 2023-12<br>Cumulative<br>Update for<br>Windows Server  | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues   | v4.6,v4.7 |

|            | 2016 for x64-<br>based Systems<br>(KB5033373)  | that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system.   |           |
|------------|--|--|-----------|
| 01/09/2024 | 2024-01<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5034119)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 02/13/2024 | 2024-02<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5034767)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 02/13/2024 | 2024-02 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5034862) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 03/12/2024 | 2024-03 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5035962) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 03/12/2024 | 2024-03<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5035855)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 04/09/2024 | 2024-04 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5037016) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 04/09/2024 | 2024-04<br>Cumulative  | A security issue has been identified in a Microsoft software product that could affect your system. You  | v4.6,v4.7 |

|            | Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5036899)                            | can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system.   |           |
|------------|--|--|-----------|
| 05/14/2024 | 2024-05<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5037763)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 06/11/2024 | 2024-06 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5039334) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 06/11/2024 | 2024-06<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5039214)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 07/09/2024 | 2024-07 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5040562) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 07/09/2024 | 2024-07<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5040434)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |
| 08/13/2024 | 2024-08<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-                                   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated   | v4.6,v4.7 |

|            | based Systems<br>(KB5041773)   | Microsoft Knowledge Base article. After you install this update, you may have to restart your system.  |           |
|------------|--|--|-----------|
| 08/13/2024 | 2024-08 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5041576) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 09/10/2024 | 2024-09 Servicing<br>Stack Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5043124) | Install this update to resolve issues in Windows. For<br>a complete listing of the issues that are included in<br>this update, see the associated Microsoft Knowledge<br>Base article for more information. After you install<br>this item, you may have to restart your computer.   | v4.6,v4.7 |
| 09/10/2024 | Security Update<br>for SQL Server<br>2016 Service Pack<br>3 CU<br>(KB5042209)                            | Security issues have been identified in the SQL<br>Server 2016 Service Pack 3 CU that could allow an<br>attacker to compromise your system and gain control<br>over it. You can help protect your computer by<br>installing this update from Microsoft. After you<br>install this item, you may have to restart your<br>computer.  | v4.6,v4.7 |
| 09/10/2024 | 2024-09<br>Cumulative<br>Update for<br>Windows Server<br>2016 for x64-<br>based Systems<br>(KB5043051)   | A security issue has been identified in a Microsoft<br>software product that could affect your system. You<br>can help protect your system by installing this update<br>from Microsoft. For a complete listing of the issues<br>that are included in this update, see the associated<br>Microsoft Knowledge Base article. After you install<br>this update, you may have to restart your system. | v4.6,v4.7 |