GE Healthcare

Invasive Cardiology Security Website
Interventional - Invasive Cardiology

Product Group:	Interventional Invasive Products
Products:	Mac-Lab, CardioLab and ComboLab Recording Systems, Centricity Cardiology Data Management Systems
Version:	AltiX (v7)
Subject:	Security Information
Date:	19 July 2021

Summary

The following information is provided to GE Healthcare Technologies customers in regards to known technical security vulnerabilities associated with Mac-Lab® Hemodynamic, CardioLab® Electrophysiology, SpecialsLab and ComboLab IT Recording Systems for Cath Lab, EP Lab and other interventional labs as well as the Centricity® Cardiology Data Management Systems.

Security Patch Base Configuration

The security patch base configuration of the Mac-Lab and CardioLab product at release (August 2019) is listed in the Appendix section.

Process

The following actions are taken whenever Microsoft/OEMs releases new security patches:

- The Invasive Cardiology Engineering Team performs a security analysis process for supported Mac-Lab, CardioLab, GE Acquisition/Client Review and INW Server hardware/software.
- If a vulnerability meets Mac-Lab and CardioLab validation criteria, the vulnerability is communicated through the GEHC Product Security Database and Invasive Cardiology Security Website within three weeks of the patch release.
- Upon validation of the Mac-Lab and CardioLab vulnerability, the GEHC Product Security Database and Invasive Cardiology Security Website and affected Mac-Lab and CardioLab Security Patch Installation Instructions are updated.

The Mac-Lab and CardioLab vulnerability validation criteria are as follows: Any vulnerability that allows malware to alter or deny Mac-Lab and CardioLab functionality and/or infect and propagate through normal system use.

Customers are responsible to stay informed with Microsoft vulnerability notifications and to visit the Invasive Cardiology websites to understand the Mac-Lab and CardioLab impact. Once a security patch is validated, customers are responsible for the installation of security patches. All Mac-Lab and CardioLab Security Patch Installation Instructions are available on the Invasive Cardiology Security Website.

Vulnerabilities exposed after the Mac-Lab and CardioLab product release which do not meet the criteria to be validated are not listed within the GEHC Product Security Database and Invasive Cardiology Security Website. These vulnerabilities are deemed to be non-critical and/or outside normal clinical workflow of the Mac-Lab , CardioLab and Centricity INW systems and will not be validated.

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Revision History

Revision	Date	Comments
1.0	20 January 2020	• Listed Qualified August 2019 Patches • Listed Qualified September 2019 Patches • Listed Service Stack Update Patch for server • Listed Qualified October 2019 Patches • Listed Qualified November 2019 Patches • Listed Service Stack Update Patch • Listed Qualified December 2019 Patches • Listed Qualified January 2020 Patches
2.0 (Initial public release)	23 January 2020	• Added link to security portal with work direction • Document clarification (changed Patch links to Patch Details, Removed 2019) • Updated Note specific to Software Only Review
3.0	17 February 2020	• Added back links to document for patches. • Reverted section name from Patch Details to Patch Links • Removed link to security portal • Removed document redundancies (x64)
4.0	18 March 2020	• Listed Qualified February 2020 Patches • Included Security Patch Base Configuration in the Appendix section. • Security Patch Base Configuration updated for clarification
5.0	20 May 2020	• Listed Qualified March 2020 Patches • Listed Qualified April 2020 Patches • Listed DELL 5070 in Security Patch Base Configuration
6.0	29 October 2020	• Added MLCL v7.0 Qualified Patch List section. • Renamed "MLCL V7 Patches" to "MLCL v7.0 Patches" • Moved applicable existing content to MLCL v7.0 Qualified Patch List section • Document reorganized where appropriate to improve organization • Listed Qualified April 2020 Service Stack Update patch • Listed Qualified May 2020 Patches • Listed Qualified July 2020 Patches • Updated Unqualified Patches MLCL v7.0.0 section

7.0	11 November 2020	- Updated Unqualified Patches MLCL v7.0.0 section - Updated MLCL v7.0 Patches section with qualified patches.
8.0	23 March 2021	- Listed February 2021 SSU - Listed Qualified February 2021 Patches - Moved existing content to MLCL v7.0 Qualified Patch List section - Listed September 2020 SSU in MLCL v7.0 Qualified Patch List section - Listed Qualified November 2020 Patches in MLCL v7.0 Qualified Patch List section - Updated Unqualified Patches MLCL v7.0.0 section - Security Patch Base Configuration – Revised text - Appendix: Security Patch Base Configuration – Added
9.0	14 April 2021	- Updated Security Patch Base Configuration section with DELL 7080 information in Appendix - Updated MLCL v7.0 Patches section - Updated Document Layout section - Updated Installation of the Security Patches on MLCL systems section - Updated Unqualified Patches MLCL v7.0.0
10.0	15 June 2021	- Listed April 2021 SSU for Windows 10 1607/Windows Server 2016 - Listed May 2021 SSU for Windows 10 1809 - Listed May 2021 Cumulative Security Updates for Windows 10 1607,1809 and Windows Server 2016 - Removed 2020-06 Security Update for Adobe Flash - Updated MLCL v7.0 Qualified Patch List section
11.0	19 July 2021	- Listed Security Updates to address PrintNightmare for Windows 10 1607,1809 and Windows Server 2016 - Updated Unqualified Patches MLCL v7.0.0 section - Updated MLCL v7.0 Patches section - Updated MLCL v7.0 Qualified Patch List section

Document layout

The document is structured to show
- Requirements for installation of patches
- How to confirm the version of AltiX application.
- How to logon to the system

- Subsections that are referenced from patch update sections
- Unqualified patches
- Patch update sections
- Identification of type of Physical Review System

Installation of the Security Patches on MLCL systems
Requirements:

- Updates may be applied at any time other than while the Mac-Lab or CardioLab application is open.
- Updates must be re-applied if the system is re-imaged.
- Updates apply to both networked and standalone systems.
- Best practice is to update all applicable MLCL systems at the site. This document provides list of qualified patches for INW Server (Windows Server 2016), Acquisition (Windows 10) and Review (Windows 10) systems.

This document applies to AltiX only. Please verify that you are running AltiX using the following procedure before proceeding:

1. Launch the Mac-Lab CardioLab application from the acquisition or review system.
2. Select *Help > About Mac-Lab* (or *CardioLab*, as applicable).
3. Verify the version number is **7.0.0**
4. Click *Close*.
5. Close the application.

Recommendation: <u>Use Internet Explorer (IE) for Catalog download</u>. If you are using the cart feature to download patches, to see the cart it requires opening another tab or new window for http://catalog.update.microsoft.com

How to Log On to Acquisition/Review/INW Server Systems

Login as user who has administrative privilege to deploy the security patches.

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NOTE: For initial install MLCLTechUser account can be used and for follow up account contact the site for appropriate account information.

How to identify the type of Physical Review System

In the Windows search at Taskbar, Type System Information and press enter.
In the System Information->System Summary page, check the value in System Model Row to determine the type of Physical Review System.

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Patch Links

The patches displayed below are qualified on an independent basis and can be installed on a one-by-one basis, although it is recommended that all qualified patches are installed. There are dependencies within the qualified patch list. In the table below, it is recommended the patches are installed in order from top to bottom to ensure all pre-requisites are met for all patches. On occasion the patch dependencies require system reboots which are identified in the table below.

NOTE: Due to site configurations, system patch set, qualified patches which have been installed previously or patch dependencies, some patches could fail to install due to the functionality is already installed. The Microsoft patch installer will alert you to this issue. It this occurs, please continue with the next patch installation.

It is the responsibility of the Hospital to assure all the qualified patches have been installed on the systems.

Unqualified Patches MLCL v7.0.0

	INW Server	Acquisition	Software Only and DELL 5060 / 5070 Review	DELL 7080 Review
Operating System Platform	Windows Server 2016	Windows 10 1607 LTSB	Windows 10 1607 LTSB	Windows 10 1809 LTSC
Current Unqualified Vulnerability	None	DSA-2019-072, DSA-2020-220, DSA-2020-249, DSA-2021-116	None	None

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MLCL v7.0 Patches

Note: Installing patches mentioned in this section would be enough to address all important vulnerabilities.

During installation of patches, if message box appears requesting system restart. Kindly restart the system.

Note that there are four types of Review: Software Only Review, DELL 5060, DELL 5070, DELL 7080. Please refer to applicable section for your type of review.

Windows 10 LTSB 1607 x64 (Acquisition & DELL 5060 / 5070 Review)

KB	Link	Notes (Applicable Patches. Patches to be applied in the order listed.)
KB5001402	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001402	Install "2021-04 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB5001402)"
KB5004948	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5004948	Install "2021-07 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB5004948)"
KB4494175	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4494175	Install "2019-08 Update for Windows 10 Version 1607 for x64-based Systems (KB4494175)"
SQL Server 2017 Security Updates		
KB4505225	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4505225	Install "Security Update for SQL Server 2017 RTM CU (KB4505225)"
KB4557397	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4557397	Install "SQL Server 2017 RTM Cumulative Update (CU) 21 KB4557397"

Office 2016 Security Updates

KB4461539	https://www.microsoft.com/en-us/download/details.aspx?id=58469	Install "Security Update for Microsoft Office 2016 (KB4461539) 64-Bit Edition"
KB4464534	https://www.microsoft.com/en-us/download/details.aspx?id=58451	Install "Security Update for Microsoft Office 2016 (KB4464534) 64-Bit Edition"
KB4475514	https://www.microsoft.com/en-us/download/details.aspx?id=58453	Install "Security Update for Microsoft Office 2016 (KB4475514) 64-Bit Edition"
KB4484166	https://www.microsoft.com/en-us/download/details.aspx?id=100756	Install "Security Update for Microsoft PowerPoint 2016 (KB4484166) 64-Bit Edition"
KB4484221	https://www.microsoft.com/en-us/download/details.aspx?id=100826	Install "Security Update for Microsoft Office 2016 (KB4484221) 64-Bit Edition"
KB4484256	https://www.microsoft.com/en-us/download/details.aspx?id=100888	Install "Security Update for Microsoft Excel 2016 (KB4484256) 64-Bit Edition"
KB4484268	https://www.microsoft.com/en-us/download/details.aspx?id=101009	Install "Security Update for Microsoft Word 2016 (KB4484268) 64-Bit Edition"
KB4484273	https://www.microsoft.com/en-us/download/details.aspx?id=101122	Install "Security Update for Microsoft Excel 2016 (KB4484273) 64-Bit Edition"
KB4484214	https://www.microsoft.com/en-us/download/details.aspx?id=101125	Install "Security Update for Microsoft Office 2016 (KB4484214) 64-Bit Edition"
KB4484258	https://www.microsoft.com/en-us/download/details.aspx?id=101186	Install "Security Update for Microsoft Office 2016 (KB4484258) 64-Bit Edition"

KB	Link	Notes
KB4484300	https://www.microsoft.com/en-us/download/details.aspx?id=101166	Install "Security Update for Microsoft Word 2016 (KB4484300) 64-Bit Edition"
KB4484337	https://www.microsoft.com/en-us/download/details.aspx?id=101220	Install "Update for Microsoft PowerPoint 2016 (KB4484337) 64-Bit Edition"
KB4484437	https://www.microsoft.com/en-us/download/details.aspx?id=101465	Install "Update for Microsoft Excel 2016 (KB4484437) 64-Bit Edition"
KB4484335	https://www.microsoft.com/en-us/download/details.aspx?id=101337	Install "Update for Microsoft Office 2016 (KB4484335) 64-Bit Edition"
KB4484394	https://www.microsoft.com/en-us/download/details.aspx?id=101352	Install "Update for Microsoft Office 2016 (KB4484394) 64-Bit Edition"
KB4484438	https://www.microsoft.com/en-us/download/details.aspx?id=101514	Install "Security Update for Microsoft Word 2016 (KB4484438) 64-Bit Edition"
KB4484439	https://www.microsoft.com/en-us/download/details.aspx?id=101477	Install "Update for Microsoft Office 2016 (KB4484439) 64-Bit Edition"

Windows Server 2016 (INW)

Note: Customer can install applicable Microsoft SQL Server 2017 and Operating System security patches released prior to July 2019.

KB	Link	Notes (Applicable Patches. Patches to be applied in the order listed.)
KB5001402	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001402	Install "2021-04 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5001402)"

KB5004948	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5004948	Install "2021-07 Cumulative Update for Windows Server 2016 for x64-based Systems (KB5004948)"
SQL Server 2017 Security Updates		
KB4505225	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4505225	Install "Security Update for SQL Server 2017 RTM CU (KB4505225)"
KB4557397	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4557397	Install "SQL Server 2017 RTM Cumulative Update (CU) 21 KB4557397"

Windows 10 LTSC 1809 x64 (Dell 7080 Review only)

KB	Link	Notes (Applicable Patches. Patches to be applied in the order listed.)
KB5003243	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5003243	Install "2021-05 Servicing Stack Update for Windows 10 Version 1809 for x64-based Systems (KB5003243)"
KB5004947	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5004947	Install " 2021-07 Cumulative Update for Windows 10 Version 1809 for x64-based Systems (KB5004947)"

Software Only Review (Windows 10 Pro, Windows 10 Enterprise)

Note: All applicable released patches are qualified, and it is the responsibility of hospital to keep them up to date.

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MLCL v7.0 Qualified Patch List

Note: Below is the list of previously qualified patches for reference only.

KB	Link	Notes (Applicable Patches. Patches to be applied in the order listed.)
Windows 10 LTSB 1607 x64 (Acquisition & DELL 5060 / 5070 Review)		
KB4512517	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4512517	Windows 10 LTSB version 1607 x64 Cumulative Security Update 08-2019
KB4516044	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4516044	Windows 10 LTSB version 1607 x64 Cumulative Security Update 09-2019
KB4524152	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4524152	Windows 10 LTSB version 1607 x64 Cumulative Security Update for IE
KB4519998	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4519998	Windows 10 LTSB version 1607 x64 Cumulative Security Update 10-2019
KB4525236	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4525236	Windows 10 LTSB version 1607 x64 Cumulative Security Update 11-2019
KB4520724	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4520724	Windows 10 LTSB version 1607 x64 Service Stack Update 11-2019
KB4530689	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4530689	Windows 10 LTSB version 1607 x64 Cumulative Security Update 12-2019

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KB4534271	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4534271	Windows 10 LTSB version 1607 x64 Cumulative Security Update 01-2020
KB4537764	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4537764	Windows 10 LTSB version 1607 x64 Cumulative Security Update 02-2020
KB4540670	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4540670	Windows 10 LTSB version 1607 x64 Cumulative Security Update 03-2020
KB4550929	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550929	Windows 10 LTSB version 1607 x64 Cumulative Security Update 04-2020
KB4550994 April 2020 SSU	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550994	Install "2020-04 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB4550994)"
KB4556813 May 2020 Cumulative Security Update	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4556813	Install "2020-05 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB4556813)"
KB4565912 July 2020 SSU	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565912	Install " 2020-07 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB4565912)"
KB4565511 July 2020 Cumulative Security Update	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565511	Install " 2020-07 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB4565511)"
KB4576750 September 2020 SSU	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4576750	Install " 2020-09 Servicing Stack Update for Windows 10

		Version 1607 for x64-based Systems (KB4576750)"
KB4586830 November 2020 Cumulative Security Update	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4586830	Install " 2020-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB4586830)"
KB5001078	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001078	Install "2021-02 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB5001078)"
KB4601318	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4601318	Install "2021-02 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB4601318)"
KB5003197	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5003197	Install "2021-05 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB5003197)"

Windows Server 2016 (INW)
Note: Customer can install applicable Microsoft SQL Server 2017 and Operating System security patches released prior to July 2019.

KB	Link	Notes (Applicable Patches. Patches to be applied in the order listed.)
KB4509091	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4509091	Service Stack Update 07-2019 for Windows Server 2016 x64-based Systems
KB4512517	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4512517	Cumulative Security Update 08-2019 for Windows Server 2016 x64-based Systems

KB4516044	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4516044	Cumulative Security Update 09-2019 for Windows Server 2016 x64-based Systems
KB4524152	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4524152	Cumulative Security Update for IE for Windows Server 2016 x64-based Systems
KB4519998	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4519998	Cumulative Security Update 10-2019 for Windows Server 2016 x64-based Systems
KB4525236	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4525236	Cumulative Security Update 11-2019 for Windows Server 2016 x64-based Systems
KB4520724	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4520724	Service Stack Update 11-2019 for Windows Server 2016 x64-based Systems
KB4530689	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4530689	Cumulative Security Update 12-2019 for Windows Server 2016 x64-based Systems
KB4534271	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4534271	Cumulative Security Update 01-2020 for Windows Server 2016 x64-based Systems
KB4537764	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4537764	Cumulative Security Update 02-2020 for Windows Server 2016 x64-based Systems
KB4540670	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4540670	Cumulative Security Update 03-2020 for Windows Server 2016 x64-based Systems
KB4550929	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550929	Cumulative Security Update 04-2020 for Windows Server 2016 x64-based Systems
KB4550994 April 2020 SSU	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550994	Install "2020-04 Servicing Stack Update for Windows

		Server 2016 for x64-based Systems (KB4550994)"
KB4556813 May 2020 Cumulative Security Update	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4556813	Install " 2020-05 Cumulative Update for Windows Server 2016 for x64-based Systems (KB4556813)"
KB4565912 July 2020 SSU	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565912	Install " 2020-07 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB4565912)"
KB4565511 July 2020 Cumulative Security Update	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565511	Install "2020-07 Cumulative Update for Windows Server 2016 for x64-based Systems (KB4565511)"
KB4576750 September 2020 SSU	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4576750	Install " 2020-09 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB4576750)"
KB4586830 November 2020 Cumulative Security Update	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4586830	Install "2020-11 Cumulative Update for Windows Server 2016 for x64-based Systems (KB4586830)"
KB5001078	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001078	Install "2021-02 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5001078)"
KB4601318	https://www.catalog.update.microsoft.com/Search.aspx?q=KB4601318	Install "2021-02 Cumulative Update for Windows Server 2016 for x64-based Systems (KB4601318)"
KB5003197	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5003197	Install "2021-05 Cumulative Update for Windows Server

		2016 for x64-based Systems (KB5003197)"

Windows 10 LTSC 1809 x64 (Dell 7080 Review only)

KB	Link	Notes (Applicable Patches. Patches to be applied in the order listed.)
KB5003171	https://www.catalog.update.microsoft.com/Search.aspx?q=KB5003171	Install " 2021-05 Cumulative Update for Windows 10 Version 1809 for x64-based Systems (KB5003171)"

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Appendix:

Security Patch Base Configuration

Validated Microsoft Patches Included on 7.0 Installation

DELL 5820 7.0 with Microsoft Windows 10 Enterprise 2016 LTSB

#	Windows Update Description
1	Hotfix 3103 for Microsoft SQL Server Brower (KB4494352)
2	Definition Update for Microsoft Office 2016 (KB3115407) 64-Bit Edition
3	Security Update for Microsoft Office 2016 (KB3085538) 64-Bit Edition
4	Security Update for Microsoft Office 2016 (KB3115135) 64-Bit Edition
5	Security Update for Microsoft Office 2016 (KB3213551) 64-Bit Edition
6	Security Update for Microsoft Office 2016 (KB4011574) 64-Bit Edition
7	Security Update for Microsoft Office 2016 (KB4022162) 64-Bit Edition
8	Security Update for Microsoft Office 2016 (KB4022172) 64-Bit Edition
9	Security Update for Microsoft Office 2016 (KB4022176) 64-Bit Edition
10	Security Update for Microsoft Office 2016 (KB4022232) 64-Bit Edition
11	Security Update for Microsoft Office 2016 (KB4464551) 64-Bit Edition
12	Security Update for Microsoft Word 2016 (KB4464536) 64-Bit Edition
13	Update for Microsoft Access 2016 (KB4462192) 64-Bit Edition
14	Update for Microsoft Excel 2016 (KB4464550) 64-Bit Edition
15	Update for Microsoft Office 2016 (KB2910954) 64-Bit Edition
16	Update for Microsoft Office 2016 (KB2920678) 64-Bit Edition
17	Update for Microsoft Office 2016 (KB2920684) 64-Bit Edition
18	Update for Microsoft Office 2016 (KB2920712) 64-Bit Edition
19	Update for Microsoft Office 2016 (KB2920717) 64-Bit Edition

20	Update for Microsoft Office 2016 (KB2920720) 64-Bit Edition
21	Update for Microsoft Office 2016 (KB2920724) 64-Bit Edition
22	Update for Microsoft Office 2016 (KB3114903) 64-Bit Edition
23	Update for Microsoft Office 2016 (KB3115081) 64-Bit Edition
24	Update for Microsoft Office 2016 (KB3115276) 64-Bit Edition
25	Update for Microsoft Office 2016 (KB3118262) 64-Bit Edition
26	Update for Microsoft Office 2016 (KB3118263) 64-Bit Edition
27	Update for Microsoft Office 2016 (KB3118264) 64-Bit Edition
28	Update for Microsoft Office 2016 (KB3178666) 64-Bit Edition
29	Update for Microsoft Office 2016 (KB3191929) 64-Bit Edition
30	Update for Microsoft Office 2016 (KB3213650) 64-Bit Edition
31	Update for Microsoft Office 2016 (KB4011035) 64-Bit Edition
32	Update for Microsoft Office 2016 (KB4011218) 64-Bit Edition
33	Update for Microsoft Office 2016 (KB4011225) 64-Bit Edition
34	Update for Microsoft Office 2016 (KB4011259) 64-Bit Edition
35	Update for Microsoft Office 2016 (KB4011634) 64-Bit Edition
36	Update for Microsoft Office 2016 (KB4011669) 64-Bit Edition
37	Update for Microsoft Office 2016 (KB4018380) 64-Bit Edition
38	Update for Microsoft Office 2016 (KB4022161) 64-Bit Edition
39	Update for Microsoft Office 2016 (KB4022193) 64-Bit Edition
40	Update for Microsoft Office 2016 (KB4461435) 64-Bit Edition
41	Update for Microsoft Office 2016 (KB4461441) 64-Bit Edition
42	Update for Microsoft Office 2016 (KB4461477) 64-Bit Edition
43	Update for Microsoft Office 2016 (KB4462116) 64-Bit Edition
44	Update for Microsoft Office 2016 (KB4462118) 64-Bit Edition
45	Update for Microsoft Office 2016 (KB4462119) 64-Bit Edition
46	Update for Microsoft Office 2016 (KB4462239) 64-Bit Edition

47	Update for Microsoft Office 2016 (KB4462243) 64-Bit Edition
48	Update for Microsoft Office 2016 (KB4464501) 64-Bit Edition
49	Update for Microsoft Office 2016 (KB4464538) 64-Bit Edition
50	Update for Microsoft Office 2016 (KB4464552) 64-Bit Edition
51	Update for Microsoft OneDrive for Business (KB4022219) 64-Bit Edition
52	Update for Microsoft OneNote 2016 (KB4022216) 64-Bit Edition
53	Update for Microsoft Outlook 2016 (KB4464540) 64-Bit Edition
54	Update for Microsoft PowerPoint 2016 (KB4464533) 64-Bit Edition
55	Update for Microsoft Project 2016 (KB4464541) 64-Bit Edition
56	Update for Microsoft Publisher 2016 (KB3178696) 64-Bit Edition
57	Update for Microsoft Visio 2016 (KB4462113) 64-Bit Edition
58	Update for Skype for Business 2016 (KB4464532) 64-Bit Edition
59	Hotfix 3006 for SQL Server 2017 (KB4038634) (64-bit)
60	Hotfix 3035 for SQL Server 2017 (KB4293805) (64-bit)
61	Hotfix 3076 for SQL Server 2017 (KB4484710) (64-bit)
62	Hotfix 3103 for SQL Server 2017 (KB4494352) (64-bit)
63	Security Update for Adobe Flash Player (KB4497932)
64	Security Update for Microsoft Windows (KB4485447)
65	Security Update for Microsoft Windows (KB4494440)
66	Security Update for Microsoft Windows (KB4498947)
67	Update for Microsoft Windows (KB2693643)
68	Update for Microsoft Windows (KB4054590)
69	Update for Microsoft Windows (KB4346087)
70	Microsoft Visual C++ 2010 x64 Redistributable (KB2565063)
71	Update for Microsoft Visual Studio 2015 (KB3095681)
72	Hotfix 3103 for Microsoft SQL Server VSS Writer (64-bit) (KB4494352)
73	Update for (KB2504637)

DELL 5060 7.0 with Microsoft Windows 10 Enterprise 2016 LTSB

#	Windows Update Description
1	Hotfix 3103 for Microsoft SQL Server Brower (KB4494352)
2	Definition Update for Microsoft Office 2016 (KB3115407) 64-Bit Edition
3	Security Update for Microsoft Office 2016 (KB3085538) 64-Bit Edition
4	Security Update for Microsoft Office 2016 (KB3115135) 64-Bit Edition
5	Security Update for Microsoft Office 2016 (KB3213551) 64-Bit Edition
6	Security Update for Microsoft Office 2016 (KB4011574) 64-Bit Edition
7	Security Update for Microsoft Office 2016 (KB4022162) 64-Bit Edition
8	Security Update for Microsoft Office 2016 (KB4022172) 64-Bit Edition
9	Security Update for Microsoft Office 2016 (KB4022176) 64-Bit Edition
10	Security Update for Microsoft Office 2016 (KB4022232) 64-Bit Edition
11	Security Update for Microsoft Office 2016 (KB4464551) 64-Bit Edition
12	Security Update for Microsoft Word 2016 (KB4464536) 64-Bit Edition
13	Update for Microsoft Access 2016 (KB4462192) 64-Bit Edition
14	Update for Microsoft Excel 2016 (KB4464550) 64-Bit Edition
15	Update for Microsoft Office 2016 (KB2910954) 64-Bit Edition
16	Update for Microsoft Office 2016 (KB2920678) 64-Bit Edition
17	Update for Microsoft Office 2016 (KB2920684) 64-Bit Edition
18	Update for Microsoft Office 2016 (KB2920712) 64-Bit Edition
19	Update for Microsoft Office 2016 (KB2920717) 64-Bit Edition
20	Update for Microsoft Office 2016 (KB2920720) 64-Bit Edition
21	Update for Microsoft Office 2016 (KB2920724) 64-Bit Edition
22	Update for Microsoft Office 2016 (KB3114903) 64-Bit Edition
23	Update for Microsoft Office 2016 (KB3115081) 64-Bit Edition
24	Update for Microsoft Office 2016 (KB3115276) 64-Bit Edition
25	Update for Microsoft Office 2016 (KB3118262) 64-Bit Edition

26	Update for Microsoft Office 2016 (KB3118263) 64-Bit Edition
27	Update for Microsoft Office 2016 (KB3118264) 64-Bit Edition
28	Update for Microsoft Office 2016 (KB3178666) 64-Bit Edition
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33	Update for Microsoft Office 2016 (KB4011225) 64-Bit Edition
34	Update for Microsoft Office 2016 (KB4011259) 64-Bit Edition
35	Update for Microsoft Office 2016 (KB4011634) 64-Bit Edition
36	Update for Microsoft Office 2016 (KB4011669) 64-Bit Edition
37	Update for Microsoft Office 2016 (KB4018380) 64-Bit Edition
38	Update for Microsoft Office 2016 (KB4022161) 64-Bit Edition
39	Update for Microsoft Office 2016 (KB4022193) 64-Bit Edition
40	Update for Microsoft Office 2016 (KB4461435) 64-Bit Edition
41	Update for Microsoft Office 2016 (KB4461441) 64-Bit Edition
42	Update for Microsoft Office 2016 (KB4461477) 64-Bit Edition
43	Update for Microsoft Office 2016 (KB4462116) 64-Bit Edition
44	Update for Microsoft Office 2016 (KB4462118) 64-Bit Edition
45	Update for Microsoft Office 2016 (KB4462119) 64-Bit Edition
46	Update for Microsoft Office 2016 (KB4462239) 64-Bit Edition
47	Update for Microsoft Office 2016 (KB4462243) 64-Bit Edition
48	Update for Microsoft Office 2016 (KB4464501) 64-Bit Edition
49	Update for Microsoft Office 2016 (KB4464538) 64-Bit Edition
50	Update for Microsoft Office 2016 (KB4464552) 64-Bit Edition
51	Update for Microsoft OneDrive for Business (KB4022219) 64-Bit Edition
52	Update for Microsoft OneNote 2016 (KB4022216) 64-Bit Edition

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53	Update for Microsoft Outlook 2016 (KB4464540) 64-Bit Edition
54	Update for Microsoft PowerPoint 2016 (KB4464533) 64-Bit Edition
55	Update for Microsoft Project 2016 (KB4464541) 64-Bit Edition
56	Update for Microsoft Publisher 2016 (KB3178696) 64-Bit Edition
57	Update for Microsoft Visio 2016 (KB4462113) 64-Bit Edition
58	Update for Skype for Business 2016 (KB4464532) 64-Bit Edition
59	Hotfix 3006 for SQL Server 2017 (KB4038634) (64-bit)
60	Hotfix 3035 for SQL Server 2017 (KB4293805) (64-bit)
61	Hotfix 3076 for SQL Server 2017 (KB4484710) (64-bit)
62	Hotfix 3103 for SQL Server 2017 (KB4494352) (64-bit)
63	Update for Microsoft Visual Studio 2015 (KB3095681)
64	Hotfix 3103 for Microsoft SQL Server VSS Writer (64-bit) (KB4494352)
65	Security Update for Adobe Flash Player (KB4497932)
66	Security Update for Microsoft Windows (KB4485447)
67	Security Update for Microsoft Windows (KB4494440)
68	Security Update for Microsoft Windows (KB4498947)
69	Update for Microsoft Windows (KB2693643)
70	Update for Microsoft Windows (KB4054590)
71	Update for Microsoft Windows (KB4346087)
72	Update for (KB2504637)

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#	Windows Update Description
1	Hotfix 3103 for Microsoft SQL Server Brower (KB4494352)
2	Definition Update for Microsoft Office 2016 (KB3115407) 64-Bit Edition

3	Security Update for Microsoft Office 2016 (KB3085538) 64-Bit Edition
4	Security Update for Microsoft Office 2016 (KB3115135) 64-Bit Edition
5	Security Update for Microsoft Office 2016 (KB3213551) 64-Bit Edition
6	Security Update for Microsoft Office 2016 (KB4011574) 64-Bit Edition
7	Security Update for Microsoft Office 2016 (KB4022162) 64-Bit Edition
8	Security Update for Microsoft Office 2016 (KB4022172) 64-Bit Edition
9	Security Update for Microsoft Office 2016 (KB4022176) 64-Bit Edition
10	Security Update for Microsoft Office 2016 (KB4022232) 64-Bit Edition
11	Security Update for Microsoft Office 2016 (KB4464551) 64-Bit Edition
12	Security Update for Microsoft Word 2016 (KB4464536) 64-Bit Edition
13	Update for Microsoft Access 2016 (KB4462192) 64-Bit Edition
14	Update for Microsoft Excel 2016 (KB4464550) 64-Bit Edition
15	Update for Microsoft Office 2016 (KB2910954) 64-Bit Edition
16	Update for Microsoft Office 2016 (KB2920678) 64-Bit Edition
17	Update for Microsoft Office 2016 (KB2920684) 64-Bit Edition
18	Update for Microsoft Office 2016 (KB2920712) 64-Bit Edition
19	Update for Microsoft Office 2016 (KB2920717) 64-Bit Edition
20	Update for Microsoft Office 2016 (KB2920720) 64-Bit Edition
21	Update for Microsoft Office 2016 (KB2920724) 64-Bit Edition
22	Update for Microsoft Office 2016 (KB3114903) 64-Bit Edition
23	Update for Microsoft Office 2016 (KB3115081) 64-Bit Edition
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56	Update for Microsoft Publisher 2016 (KB3178696) 64-Bit Edition

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59	Hotfix 3006 for SQL Server 2017 (KB4038634) (64-bit)
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61	Hotfix 3076 for SQL Server 2017 (KB4484710) (64-bit)
62	Hotfix 3103 for SQL Server 2017 (KB4494352) (64-bit)
63	Update for Microsoft Visual Studio 2015 (KB3095681)
64	Hotfix 3103 for Microsoft SQL Server VSS Writer (64-bit) (KB4494352)
65	Security Update for Adobe Flash Player (KB4497932)
66	Security Update for Microsoft Windows (KB4485447)
67	Security Update for Microsoft Windows (KB4494440)
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70	Update for Microsoft Windows (KB4054590)
71	Update for Microsoft Windows (KB4346087)
72	Update for (KB2504637)

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#	Windows Update Description
1	Definition Update for Microsoft Office 2016 (KB3115407) 64-Bit Edition
2	Hotfix 3370 for SQL Server 2017 (KB4583457) (64-bit)
3	Hotfix 3381 for Microsoft SQL Server Browser (KB5000685)
4	Hotfix 3381 for Microsoft SQL Server VSS Writer (64-bit) (KB5000685)
5	Hotfix 3381 for SQL Server 2017 (KB5000685) (64-bit)
6	Microsoft .NET Framework 4 KB2468871
7	Microsoft .NET Framework 4 KB2468871v2

8	Microsoft .NET Framework 4 KB2478063
9	Microsoft .NET Framework 4 KB2504637
10	Microsoft .NET Framework 4 KB2533523
11	Microsoft .NET Framework 4 KB2544514
12	Microsoft .NET Framework 4 KB2600211
13	Microsoft .NET Framework 4 KB2600217
14	Security Update for Microsoft Access 2016 (KB4484509) 64-Bit Edition
15	Security Update for Microsoft Office 2016 (KB3085538) 64-Bit Edition
16	Security Update for Microsoft Office 2016 (KB3213551) 64-Bit Edition
17	Security Update for Microsoft Office 2016 (KB4022162) 64-Bit Edition
18	Security Update for Microsoft Office 2016 (KB4022176) 64-Bit Edition
19	Security Update for Microsoft Office 2016 (KB4486755) 64-Bit Edition
20	Security Update for Microsoft Office 2016 (KB4493168) 64-Bit Edition
21	Security Update for Microsoft Office 2016 (KB4011574) 64-Bit Edition
22	Security Update for Microsoft Windows (KB4601345)
23	Security Update for Microsoft Windows (KB4601393)
24	Security Update for Microsoft Word 2016 (KB4493156) 64-Bit Edition
25	Update for (KB2504637)
26	Update for Microsoft Excel 2016 (KB4493196) 64-Bit Edition
27	Update for Microsoft Office 2016 (KB2920678) 64-Bit Edition
28	Update for Microsoft Office 2016 (KB2920712) 64-Bit Edition
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56	Update for Microsoft Office 2016 (KB4475580) 64-Bit Edition
57	Update for Microsoft Office 2016 (KB4475584) 64-Bit Edition
58	Update for Microsoft Office 2016 (KB4484145) 64-Bit Edition
59	Update for Microsoft Office 2016 (KB4484171) 64-Bit Edition

60	Update for Microsoft Office 2016 (KB4484174) 64-Bit Edition
61	Update for Microsoft Office 2016 (KB4484251) 64-Bit Edition
62	Update for Microsoft Office 2016 (KB4484395) 64-Bit Edition
63	Update for Microsoft Office 2016 (KB4486668) 64-Bit Edition
64	Update for Microsoft Office 2016 (KB4486716) 64-Bit Edition
65	Update for Microsoft Office 2016 (KB4486747) 64-Bit Edition
66	Update for Microsoft Office 2016 (KB4493189) 64-Bit Edition
67	Update for Microsoft OneDrive for Business (KB4022219) 64-Bit Edition
68	Update for Microsoft OneNote 2016 (KB4484329) 64-Bit Edition
69	Update for Microsoft Outlook 2016 (KB4493190) 64-Bit Edition
70	Update for Microsoft PowerPoint 2016 (KB4493164) 64-Bit Edition
71	Update for Microsoft Project 2016 (KB4493159) 64-Bit Edition
72	Update for Microsoft Publisher 2016 (KB4484334) 64-Bit Edition
73	Update for Microsoft Visio 2016 (KB4486709) 64-Bit Edition
74	Update for Microsoft Visio Viewer 2016 (KB2920709) 64-Bit Edition
75	Update for Microsoft Visual Studio 2015 (KB3095681)
76	Update for Microsoft Windows (KB2693643)
77	Update for Microsoft Windows (KB4601060)
78	Update for Removal of Adobe Flash Player (KB4577586)
79	Update for Skype for Business 2016 (KB4486745) 64-Bit Edition

Contact Information

If you have any additional questions, please contact our Technical Support Department.