



GE Healthcare

## ***Invasive Cardiology Security Website***

### ***Interventional - Invasive Cardiology***

<b>Product Group:</b>	Interventional Invasive Products
<b>Products:</b>	Mac-Lab, CardioLab and ComboLab Recording Systems, Centricity Cardiology Data Management Systems
<b>Version:</b>	AltiX BT21 (v7.1)
<b>Subject:</b>	Security Information
<b>Date:</b>	8 April 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.



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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	27 October 2020	<ul style="list-style-type: none"> <li>Initial Release</li> </ul>
2.0	23 March 2021	<ul style="list-style-type: none"> <li>Listed February 2021 SSU</li> <li>Listed Qualified February 2021 Patches</li> <li>Moved existing content to MLCL v7.1 Qualified Patch List section</li> <li>Listed September 2020 SSU in MLCL v7.1 Qualified Patch List section</li> <li>Listed Qualified November 2020 Patches in MLCL v7.1 Qualified Patch List section</li> <li>Updated Unqualified Patches MLCL v7.1 section</li> </ul>



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		<ul style="list-style-type: none"><li>• Security Patch Base Configuration – Revised text</li><li>• Appendix: Security Patch Base Configuration – Added</li></ul>
3.0	8 April 2021	<ul style="list-style-type: none"><li>• Listed SQL Server 2017 RTM Cumulative Update (CU) 21 patch in MLCL v7.1 Patches section</li></ul>

## Document layout

The document is structured to show

- Requirements for installation of patches
- How to confirm the version of Altix BT21 application.
- How to logon to the system
- Subsections that are referenced from patch update sections
- Unqualified patches
- Patch update sections

## 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 BT21 only. Please verify that you are running Altix BT21 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 **7.1.0**
4. Click **Close**.
5. Close the application.



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**Recommendation: Use Internet Explorer (IE) for Catalog download. 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.

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



## 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. If 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 v7.1

	INW Server	Acquisition	GE Client Review Workstation
Operating System Platform	Windows Server 2016	Windows 10	Windows 10
Current Unqualified Vulnerability	CVE-2021-24111(KB4601051)	DSA-2019-072, DSA-2020-220, DSA-2020-249, CVE-2021-24111(KB4601051)	CVE-2021-24111(KB4601051)



## MLCL v7.1 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.

<b>Windows 10 LTSB 1607 x64 (Acquisition &amp; GE Review)</b>		
<b>KB</b>	<b>Link</b>	<b>Notes (Applicable Patches. Patches to be applied in the order listed.)</b>
KB5001078	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001078">https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001078</a>	Install “2021-02 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB5001078)”
KB4601318	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4601318">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4601318</a>	Install “2021-02 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB4601318)”
KB4537759	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4537759">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4537759</a>	Install “2020-02 Security Update for Adobe Flash Player for Windows 10 Version 1607 for x64-based Systems (KB4537759)”
KB4461539	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=58469">https://www.microsoft.com/en-us/download/details.aspx?id=58469</a>	Security Update for Microsoft Office 2016 (KB4461539) 64-Bit Edition
KB4464534	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=58451">https://www.microsoft.com/en-us/download/details.aspx?id=58451</a>	Security Update for Microsoft Office 2016 (KB4464534) 64-Bit Edition



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KB4475514	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=58453">https://www.microsoft.com/en-us/download/details.aspx?id=58453</a>	<b>Security Update for Microsoft Office 2016 (KB4475514) 64-Bit Edition</b>
KB4484166	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=100756">https://www.microsoft.com/en-us/download/details.aspx?id=100756</a>	<b>Security Update for Microsoft PowerPoint 2016 (KB4484166) 64-Bit Edition</b>
KB4484221	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=100826">https://www.microsoft.com/en-us/download/details.aspx?id=100826</a>	<b>Security Update for Microsoft Office 2016 (KB4484221) 64-Bit Edition</b>
KB4484256	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=100888">https://www.microsoft.com/en-us/download/details.aspx?id=100888</a>	<b>Security Update for Microsoft Excel 2016 (KB4484256) 64-Bit Edition</b>
KB4484268	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=101009">https://www.microsoft.com/en-us/download/details.aspx?id=101009</a>	<b>Security Update for Microsoft Word 2016 (KB4484268) 64-Bit Edition</b>
KB4484273	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=101122">https://www.microsoft.com/en-us/download/details.aspx?id=101122</a>	<b>Security Update for Microsoft Excel 2016 (KB4484273) 64-Bit Edition</b>
KB4484214	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=101125">https://www.microsoft.com/en-us/download/details.aspx?id=101125</a>	<b>Security Update for Microsoft Office 2016 (KB4484214) 64-Bit Edition</b>
KB4484258	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=101186">https://www.microsoft.com/en-us/download/details.aspx?id=101186</a>	<b>Security Update for Microsoft Office 2016 (KB4484258) 64-Bit Edition</b>
KB4484300	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=101166">https://www.microsoft.com/en-us/download/details.aspx?id=101166</a>	<b>Security Update for Microsoft Word 2016 (KB4484300) 64-Bit Edition</b>
KB4505225	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4505225">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4505225</a>	<b>Install "Security Update for SQL Server 2017 RTM CU (KB4505225)"</b>





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KB4557397	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4557397">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4557397</a>	Install "SQL Server 2017 RTM Cumulative Update (CU) 21 KB4557397"
KB4532933	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4532933">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4532933</a>	Note: This needs to be installed post Altix BT21 upgrade. Install "2020-01 Cumulative Update for .NET Framework 4.8 for Windows 10 Version 1607 for x64 (KB4532933)"
<b>Windows Server 2016 (INW)</b> <b>Note:</b> Customer can install applicable Microsoft SQL Server 2017 and Operating System security patches released prior to July 2019.		
<b>KB</b>	<b>Link</b>	<b>Notes (Applicable Patches. Patches to be applied in the order listed.)</b>
KB5001078	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001078">https://www.catalog.update.microsoft.com/Search.aspx?q=KB5001078</a>	Install "2021-02 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB5001078)"
KB4601318	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4601318">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4601318</a>	Install "2021-02 Cumulative Update for Windows Server 2016 for x64-based Systems (KB4601318)"
KB4505225	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4505225">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4505225</a>	Install "Security Update for SQL Server 2017 RTM CU (KB4505225)"
KB4557397	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4557397">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4557397</a>	Install "SQL Server 2017 RTM Cumulative Update (CU) 21 KB4557397"



KB4532933	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4532933">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4532933</a>	<b>Note: This needs to be installed post Altix BT21 upgrade. Install “2020-01 Cumulative Update for .NET Framework 4.8 for Windows Server 2016 for x64 (KB4532933)”</b>
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**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.

**MLCL v7.1 Qualified Patch List**

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

<b>Windows 10 LTSB 1607 x64 (Acquisition &amp; GE Review)</b>		
KB	Link	Notes (Applicable Patches. Patches to be applied in the order listed.)
KB4512517	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4512517">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4512517</a>	Windows 10 LTSB version 1607 x64 Cumulative Security Update 08-2019
KB4516044	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4516044">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4516044</a>	Windows 10 LTSB version 1607 x64 Cumulative Security Update 09-2019



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KB4524152	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4524152">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4524152</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update for IE
KB4519998	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4519998">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4519998</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update 10-2019
KB4525236	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4525236">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4525236</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update 11-2019
KB4520724	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4520724">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4520724</a>	Windows 10 LTSPB version 1607 x64 Service Stack Update 11-2019
KB4530689	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4530689">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4530689</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update 12-2019
KB4534271	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4534271">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4534271</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update 01-2020
KB4537764	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4537764">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4537764</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update 02-2020
KB4540670	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4540670">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4540670</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update 03-2020
KB4550929	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550929">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550929</a>	Windows 10 LTSPB version 1607 x64 Cumulative Security Update 04-2020
KB4550994 April 2020 SSU	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550994">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4550994</a>	Install "2020-04 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB4550994)"



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KB4565912 July 2020 SSU	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565912">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565912</a>	Install " 2020-07 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB4565912)"
KB4565511 July 2020 Cumulative Security Update	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565511">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565511</a>	Install " 2020-07 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB4565511)"
KB4576750 September 2020 SSU	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4576750">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4576750</a>	Install " 2020-09 Servicing Stack Update for Windows 10 Version 1607 for x64-based Systems (KB4576750)"
KB4586830 November 2020 Cumulative Security Update	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4586830">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4586830</a>	Install " 2020-11 Cumulative Update for Windows 10 Version 1607 for x64-based Systems (KB4586830)"

### 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	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4509091">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4509091</a>	Service Stack Update 07-2019 for Windows Server 2016 x64-based Systems
KB4512517	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4512517">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4512517</a>	Cumulative Security Update 08-2019 for Windows Server 2016 x64-based Systems
KB4516044	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4516044">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4516044</a>	Cumulative Security Update 09-2019 for Windows Server 2016 x64-based Systems



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



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KB4565912 July 2020 SSU	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565912">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565912</a>	Install "2020-07 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB4565912)"
KB4565511 July 2020 Cumulative Security Update	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565511">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4565511</a>	Install "2020-07 Cumulative Update for Windows Server 2016 for x64-based Systems (KB4565511)"
KB4576750 September 2020 SSU	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4576750">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4576750</a>	Install "2020-09 Servicing Stack Update for Windows Server 2016 for x64-based Systems (KB4576750)"
KB4586830 November 2020 Cumulative Security Update	<a href="https://www.catalog.update.microsoft.com/Search.aspx?q=KB4586830">https://www.catalog.update.microsoft.com/Search.aspx?q=KB4586830</a>	Install "2020-11 Cumulative Update for Windows Server 2016 for x64-based Systems (KB4586830)"



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**Appendix:**

**Security Patch Base Configuration**

**Validated Microsoft Patches Included on 7.1 Installation**

**DELL 5820 7.1 with Microsoft Windows 10 Enterprise 2016 LTSC**

#	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 7.1 with Microsoft Windows 10 Enterprise 2016 LTSC**

#	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
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43	Update for Microsoft Office 2016 (KB4462116) 64-Bit Edition
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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	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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## Contact Information

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