



GE Healthcare

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

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

<b>Product Group:</b>	Interventional Invasive Products
<b>Products:</b>	Mac-Lab IT/XT/XTi, CardioLab IT/XT/XTi, SpecialsLab and ComboLab IT/XT/XTi Recording Systems, Centricity Cardiology Data Management Systems
<b>Versions:</b>	6.9, 6.9.5
<b>Subject:</b>	Security Information
<b>Date:</b>	30 August 2019

#### **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 IT/XT/XTi and CardioLab IT/XT/XTi product at release is listed within the MLCL Base Configuration under the Hemodynamic, Electrophysiology and Cardiovascular Information Technologies section of the [http://www3.gehealthcare.com/en/Support/Invasive\\_Cardiology\\_Product\\_Security](http://www3.gehealthcare.com/en/Support/Invasive_Cardiology_Product_Security) website.

#### **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 IT/XT/XTi, CardioLab IT/XT/XTi, GE Client Review and INW Server hardware/software.
- If a vulnerability meets Mac-Lab IT/XT/XTi and CardioLab IT/XT/XTi validation criteria, the vulnerability is communicated through the GEHC Product Security Database and Invasive Cardiology Security Website within Three weeks of the patch release.



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- Upon validation of the Mac-Lab IT/XT/XTi and CardioLab IT/XT/XTi vulnerability, the GEHC Product Security Database and Invasive Cardiology Security Website and affected Mac-Lab IT/XT/XTi and CardioLab IT/XT/XTi Security Patch Installation Instructions are updated.

The Mac-Lab IT/XT/XTi and CardioLab IT/XT/XTi vulnerability validation criteria are as follows: Any vulnerability that allows malware to alter or deny Mac-Lab IT/XT/XTi and CardioLab IT/XT/XTi 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 IT/XT/XTi and CardioLab IT/XT/XTi impact. Once a security patch is validated, customers are responsible for the installation of security patches. All Mac-Lab IT/XT/XTi and CardioLab IT/XT/XTi Security Patch Installation Instructions are available on the Invasive Cardiology Security Website below the Validated Patches table.

Vulnerabilities exposed after the Mac-Lab IT/XT/XTi and CardioLab IT/XT/XTi 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 IT/XT/XTi, CardioLab IT/XT/XTi and Centricity INW systems and will not be validated. Unlisted patches should not be installed on the products in order to eliminate malfunction and breakdown risks.



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### Revision History

Revision	Date	Comments
1.0	19 July 2017	<ul style="list-style-type: none"> <li>Initial Release, includes June Roll-up</li> </ul>
2.0	23 October 2017	<ul style="list-style-type: none"> <li>Includes October Roll-up</li> </ul>
3.0	11 December 2017	<ul style="list-style-type: none"> <li>November Unqualified Patches</li> </ul>
4.0	7 February 2018	<ul style="list-style-type: none"> <li>January 2018 Unqualified Patches</li> </ul>
5.0	16 April 2018	<ul style="list-style-type: none"> <li>March Unqualified Patches</li> </ul>
6.0	30 April 2018	<ul style="list-style-type: none"> <li>April Unqualified Patches</li> </ul>
7.0	31 May 2018	<ul style="list-style-type: none"> <li>May Unqualified Patches</li> </ul>
8.0	29 June 2018	<ul style="list-style-type: none"> <li>June Unqualified Patches</li> </ul>
9.0	24 August 2018	<ul style="list-style-type: none"> <li>Qualified November 2017, December 2017, January 2018, February 2018, March 2018, April 2018, May 2018, June 2018, July 2018, August 2018 patches</li> <li>Qualified Adobe 11</li> <li>Qualified IE8 patches</li> <li>Qualified Microsoft .NET patches</li> <li>Qualified HP Firmware and Driver update</li> <li>SQL Server 2008 SP4</li> </ul>
10.0	6 December 2018	<ul style="list-style-type: none"> <li>September Unqualified Patches</li> <li>October Unqualified Patches</li> </ul>
11.0	5 March 2019	<ul style="list-style-type: none"> <li>Added Unqualified November 2018, December 2018, January 2019 and February 2019 Patches</li> <li>Added .NET unqualified patches</li> </ul>
12.0	26 March 2019	<ul style="list-style-type: none"> <li>Added Unqualified March 2019 Patches</li> </ul>
13.0	16 May 2019	<ul style="list-style-type: none"> <li>Added instructions to disable Remote Desktop Services per CVE-2019-0708</li> </ul>
14.0	5 June 2019	<ul style="list-style-type: none"> <li>Added Unqualified May 2019 Patches</li> </ul>
15.0	30 June 2019	<ul style="list-style-type: none"> <li>Added Unqualified June 2019 Patches</li> </ul>
16.0	5 August 2019	<ul style="list-style-type: none"> <li>Added Unqualified July 2019 Patches</li> </ul>
17.0	19 August 2019	<ul style="list-style-type: none"> <li>Updated CVE number to disable Remote Desktop Services section</li> </ul>
18.0	30 August 2019	<ul style="list-style-type: none"> <li>Added Unqualified August 2019 patches</li> </ul>



## Installation of the Security Patches on MLCL systems

### Requirements:

- Updates may be applied at any time other than while the Mac-Lab IT/XT/XTi, CardioLab IT/XT/XTi or SpecialsLab 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.
- If any Mac-Lab IT/CardioLab IT system has a DMS, CCW, or Carddas client, use the Mac-Lab IT/XT/XTi, CardioLab IT/XT/XTi or SpecialsLab instructions.

### How to Log On to Acquisition and Review Systems

When starting up a Mac-Lab, CardioLab or SpecialsLab Acquisition or Review system, an auto-logon sequence starts and automatically logs on to the operating system. To install a security patch, the user must be logged on as **mlcltechuser**.

**NOTE:** Password information is contained within the Security Guide Manual. Otherwise, contact the system administrator or GE Technical Support for current password information.

1. Power on the Acquisition system.
2. The system boots up to the **Custom Shell** screen.
3. Press **Ctrl + Action + Del**.
4. Click **Logoff**. On Windows XP, click **Logoff** again.
5. Click **OK**.
6. Immediately hold down the **Shift** key until the login window is displayed.
7. Log on to the operating system locally as **mlcltechuser**.
8. Log on to the **Custom Shell** locally as **mlcltechuser**.

### How to Log On to the Centricity Cardiology INW Server

Password information is contained within the Security Guide Manual. Otherwise, contact the system administrator or GE Technical Support for current password information. Logon to the INW Server as **administrator**



## How to Log On to MLCL Software Only Systems

Since Software Only systems are supported by the customer, the system needs to be logged into with an **administrator** account.

### **CVE-2019-0708/1181/1182 | Remote Desktop Services Remote Code Execution Vulnerability**

We are in the process of qualifying the patch that addresses this vulnerability however, we recommend as a mitigation, that the RDS/Terminal Service is disabled on all ML/CL systems. Refer to the instructions below on disabling the service.

#### **Disable Terminal Services on Windows XP**

On Windows XP, do the following to disable Terminal Services:

1. Right-click on **My Computer** and select **Properties**
2. On the **System Properties** window, select the **Remote** tab
3. Uncheck the following option if it is checked:  
**Allow Remote Assistance invitations to be sent from this computer**
4. Uncheck the following option if it is checked:  
**Allow users to connect remotely to this computer**
5. Click **OK** to close the **System Properties** window
6. Click **Start > Settings > Control Panel > Administrative Tools > Services**
7. Double-click on the entry for **Terminal Services**
8. Set the **Startup type** to **Disabled**
9. Click **OK** to close the **Terminal Services Properties** window
10. Reboot the system

**NOTE:** If Windows Vista is the Operating System installed, then it is highly advised that Terminal Services is disabled to mitigate any security vulnerabilities.

#### **Disable Remote Desktop Services on Windows 7**

On Windows 7, do the following to disable Remote Desktop Services:



1. Right-click on **Computer** and select **Properties**
2. On the **System** window, click **Remote settings**
3. Uncheck the following option if it is checked:  
**Allow Remote Assistance connections to this computer**
4. Select the following option if it is not already selected:  
**Don't allow connections to this computer**
5. Click **OK** to close the **System Properties** window
6. Click **Start** > **Control Panel** > **Administrative Tools** > **Services**
7. Double-click on the entry for **Remote Desktop Services**
8. Set the **Startup type** to **Disabled**
9. Click **OK** to close the **Remote Desktop Services Properties** window
10. Reboot the system

### Disable Terminal Services on Windows 2003 R2

On Windows Server 2003 R2, do the following to disable Terminal Services:

1. Right-click on **My Computer** and select **Properties**
2. On the **System Properties** window, select the **Remote** tab
3. Uncheck the following option if it is checked:  
**Turn on Remote Assistance and allow invitations to be sent from this computer**
4. Uncheck the following option if it is checked:  
**Enable Remote Desktop on this computer**
5. Click **OK** to close the **System Properties** window
6. Click **Start** > **Settings** > **Control Panel** > **Administrative Tools** > **Services**
7. Double-click on the entry for **Terminal Services**
8. Set the **Startup type** to **Disabled**
9. Click **OK** to close the **Terminal Services Properties** window
10. Reboot the system

### Disable Remote Desktop Services on Windows 2008 R2



On Windows Server 2008 R2, do the following to disable Remote Desktop Services:

1. Right-click on **Computer** and select **Properties**
2. On the **System** window, click **Remote settings**
3. Uncheck the following option if it is checked:  
**Allow Remote Assistance connections to this computer**
4. Select the following option if it is not already selected:  
**Don't allow connections to this computer**
5. Click **OK** to close the **System Properties** window
6. Click **Start > Administrative Tools > Services**
7. Double-click on the entry for **Remote Desktop Services**
8. Set the **Startup type** to **Disabled**
9. Click **OK** to close the **Remote Desktop Services Properties** window
10. Reboot the system

## How to Install Printer Firmware

The system which will apply the firmware to the printer should be provided by the customer.

**NOTE:** Mac-Lab CardioLab system should not be used to download and/or apply the Printer Firmware.

- Follow the download link in the table
- Select the appropriate printer
- Select English and the applicable MLCL operating system
- Select English and under the Firmware category select the applicable Firmware Update Utility and Click Download
- Launch the firmware installer and follow the instructions to complete the firmware update

## How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03051

**NOTE:** HPSBMU03051 must be installed before HPSBMU03380.

1. Using a non-MLCL system, visit the URL and download **cp023716.exe**





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2. Place cp023716.exe on removable media
3. Log on to the server as **administrator**.
4. In Windows Explorer, navigate to the to the location on the removable media where **cp023716.exe** was placed
5. Right-click **cp023716.exe**.
6. Select **Run as Administrator**.
7. Click **Install**.
8. Click **Next**.
9. On each screen, keep the default settings and click **Next** to advance through the install wizard.
10. Click **Finish**.
11. In Windows Explorer, navigate to **C:\HP\hpsmh\bin\hpsmhd.exe**.
12. Right-click and select **Properties**.
13. Select the **Details** tab.
14. Verify the **File Version** is **7.3.3.1**.
15. Close all windows.
16. Stop the **HP System Management Homepage** service.
17. Within Windows Explorer, navigate to **C:\HP\sslshare** and permanently delete **cert.pem** and **file.pem**.
18. Restart **HP System Management Homepage** service.
19. Verify that the certificates have been recreated. Within Windows Explorer navigate to **C:\HP\sslshare** and locate and verify that the **cert.pem** and **file.pem** files are there.
20. Close Windows Explorer.
21. At the INW Server desktop, delete the **HP System Management Homepage** icon from the desktop.
22. Restart the INW server to complete the installation

## How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03380

**NOTE:** HPSBMU03051 must be installed before HPSBMU03380.

1. Using a non-MLCL system, visit the URL and download **CP028035.exe**
2. Place **CP028035.exe** on removable media
3. Log on to the server as **administrator**.



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4. In Windows Explorer, navigate to the to the location on the removable media where CP028035.exe was placed
5. Right-click **cp028035.exe**.
6. Select **Run as Administrator**.
7. Click **Install**.
8. Click **Next**.
9. On each screen, keep the default settings and click **Next** to advance through the install wizard.
10. Click **Finish**.
11. In Windows Explorer, navigate to **C:\HP\hpsmh\bin\hpsmhd.exe**.
12. Right-click and select **Properties**.
13. Select the **Details** tab.
14. Verify the **File Version** is **7.5.4.3**.
15. Close all windows.
16. At the INW Server desktop, delete the **HP System Management Homepage** icon from the desktop.
17. Restart the INW server to complete the installation

## Turn On Windows Update Service Configuration - Windows Server 2008 R2 SP1 (KB976932) Only

The below steps must be performed on Centricity Cardiology INW Servers before installing Windows Server 2008 R2 SP1 (KB976932).

1. On an INW Domain Controller, log on to Windows as **Administrator** or a member of that group. On an INW Member Server, log on to Windows as **mcltechuser**.
2. Select **Start > Run**.
3. Type **services.msc** and press **Enter**.
4. Right-click the **Windows Update** service and select **Properties**.
5. Select **Automatic** from the **Startup type** drop-down.
6. Click **Start**.
7. Click **Apply** and then click **OK**.
8. Close the **Services Console** window.



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## Turn Off Windows Update Service Configuration - Windows Server 2008 R2 SP1 (KB976932) Only

These below must be performed on Centricity Cardiology INW Servers after installing Windows Server 2008 R2 SP1 (KB976932).

1. On an INW Domain Controller, log on to Windows as **Administrator** or a member of that group. On an INW Member Server, log on to Windows as **mlcltechuser**.
2. Select **Start > Run**.
3. Type **services.msc** and press **Enter**.
4. Right-click the **Windows Update** service and select **Properties**.
5. Select **Manual** from the **Startup type** drop-down.
6. Click **Stop**.
7. Click **Apply** and then click **OK**.
8. Close the **Services Console** window.



## 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.

**Alternate Patch locations:** In early 2016 Microsoft announced that some patches would no longer be available on the Microsoft Download Center <https://blogs.technet.microsoft.com/msrc/2016/04/29/changes-to-security-update-links/>. Therefore, some of the links provided below may not work. Microsoft may move/remove these links at any time without notice. However, if the links do not work, there are two alternate methods for downloading patches. The first is the Microsoft Catalog <http://catalog.update.microsoft.com>. Most fixes not on Microsoft Download Center will be available from the Microsoft Catalog. If a fix is not available from the Microsoft Catalog, Microsoft has monthly ISO files of the security updates available at <https://support.microsoft.com/en-us/kb/913086>. To use the ISOs, determine the month of the patch, download the applicable ISO and extract the patch. If after exhausting all three methods, you are still unable to obtain a patch, please contact GE Technical Support for further assistance.

**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>

## MLCL v6.9.5

	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
Operating System Platform	Windows Server 2008 R2 SP1	Windows XP SP3	Windows XP SP3	Windows 7 SP1
Current Unqualified Vulnerability	KB4457145 (CVE-2018-5391) KB4462915 (CVE-2018-8320) KB3177467(ADV990001) KB4467106(CVE-2018-8256, CVE-2018-8476)	KB4500331 (CVE-2019-0708)	KB4500331 (CVE-2019-0708)	SP93482 SP91925 KB4467106(CVE-2018-8256, CVE-2018-8476)



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
	KB4470600   KB4470493 (CVE-2018-8517) KB4486564 (CVE-2019-0626) KB4490425(ADV190006) HPESBHF03904 rev.1 HPESBHF03874 rev.1 KB4489885(CVE-2019-0683) KB4474419(ADV190009) HPSBHF03572 rev. 4 KB4499164 (CVE-2019-0708) KB4503292 KB4507456(CVE-2019-1082) KB4507411(CVE-2019-1083, CVE-2019-1006) KB4512486 (CVE-2019-0736, CVE-2019-1181, CVE-2019-1182 )			KB4470600   KB4470493 (CVE-2018-8517) KB4486564 (CVE-2019-0626) KB4490425(ADV190006) KB3177467(ADV990001) KB4489885(CVE-2019-0683) KB4474419(ADV190009) KB4499164 (CVE-2019-0708) KB4461619 KB4462178 KB4503292 KB4507456(CVE-2019-1082) KB4507411(CVE-2019-1083, CVE-2019-1006) KB4512486 (CVE-2019-0736, CVE-2019-1181, CVE-2019-1182 )
<b>Security Patch</b>				
<b>MS14-031 KB2957189</b>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=43143">http://www.microsoft.com/en-us/download/details.aspx?id=43143</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=43147">http://www.microsoft.com/en-us/download/details.aspx?id=43147</a>
<b>MS15-127 KB3100465 (Domain Controller only)</b>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=50127">https://www.microsoft.com/en-us/download/details.aspx?id=50127</a>	N/A	N/A	N/A
<b>HP System Management Homepage HPSBMU03380 Version: 7.5.4.3(1 Apr 2016)</b>	<a href="https://h20566.www2.hpe.com/hpsc/swd/public/detail?idx=&amp;action=driverDocument&amp;itemLocale=&amp;swItemId=MTX_544617581c264c8eaafe6b273a&amp;mode">https://h20566.www2.hpe.com/hpsc/swd/public/detail?idx=&amp;action=driverDocument&amp;itemLocale=&amp;swItemId=MTX_544617581c264c8eaafe6b273a&amp;mode</a>  Please see section - How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03380	N/A	N/A	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
	<b>NOTE:</b> HPSBMU03051 must be installed before HPSBMU03380.			
<b>MS15-034 KB3042553</b>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=46480">https://www.microsoft.com/en-us/download/details.aspx?id=46480</a>	N/A	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=46501">https://www.microsoft.com/en-us/download/details.aspx?id=46501</a>
<b>MS14-068 KB3011780</b>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44966">https://www.microsoft.com/en-us/download/details.aspx?id=44966</a>	N/A	N/A	N/A
<b>MS14-066 KB2992611</b>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44618">https://www.microsoft.com/en-us/download/details.aspx?id=44618</a>	MS14-066 KB2992611* - see note below table	MS14-066 KB2992611* - see note below table	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44633">https://www.microsoft.com/en-us/download/details.aspx?id=44633</a>
<b>HP System Management Homepage HPSBMU03051 Version: 7.3.3.1(19 Jun 2014)</b>	<a href="http://h20564.www2.hp.com/hpsc/swd/public/detail?swItemId=MTX_e8076c2a35804685ad65b2b1ba">http://h20564.www2.hp.com/hpsc/swd/public/detail?swItemId=MTX_e8076c2a35804685ad65b2b1ba</a>  Please see section - How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03051	N/A	N/A	N/A
<b>MS14-016 KB2923392 (Domain Controller Only)</b>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=42099">http://www.microsoft.com/en-us/download/details.aspx?id=42099</a>	N/A	N/A	N/A
<b>MS13-081 KB2884256</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40379">http://www.microsoft.com/en-in/download/details.aspx?id=40379</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6</a>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40407">http://www.microsoft.com/en-in/download/details.aspx?id=40407</a>
<b>MS13-081 KB2868038</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40526">http://www.microsoft.com/en-in/download/details.aspx?id=40526</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99</a>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40395">http://www.microsoft.com/en-in/download/details.aspx?id=40395</a>
<b>MS13-081 KB2864202</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40404">http://www.microsoft.com/en-in/download/details.aspx?id=40404</a>	N/A	N/A	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40601">http://www.microsoft.com/en-in/download/details.aspx?id=40601</a>



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
<b>MS13-081 KB2862335</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40590">http://www.microsoft.com/en-in/download/details.aspx?id=40590</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca</a>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40409">http://www.microsoft.com/en-in/download/details.aspx?id=40409</a>
<b>MS13-081 KB2862330</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40372">http://www.microsoft.com/en-in/download/details.aspx?id=40372</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5</a>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40507">http://www.microsoft.com/en-in/download/details.aspx?id=40507</a>
<b>MS13-079 KB2853587 (Domain Controller Only)</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=40025">http://www.microsoft.com/en-in/download/details.aspx?id=40025</a>	N/A	N/A	N/A
<b>MS13-065 KB2868623</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=39885">http://www.microsoft.com/en-in/download/details.aspx?id=39885</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39809">http://www.microsoft.com/en-us/download/details.aspx?id=39809</a>
<b>MS13-062 KB2849470</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=39899">http://www.microsoft.com/en-in/download/details.aspx?id=39899</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39890">http://www.microsoft.com/en-us/download/details.aspx?id=39890</a>
<b>MS13-049 KB2845690</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=39221">http://www.microsoft.com/en-in/download/details.aspx?id=39221</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39217">http://www.microsoft.com/en-us/download/details.aspx?id=39217</a>
<b>MS13-018 KB2790655</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=36651">http://www.microsoft.com/en-in/download/details.aspx?id=36651</a>	N/A	N/A	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=36694">http://www.microsoft.com/en-in/download/details.aspx?id=36694</a>
<b>MS13-001 KB2769369</b>	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=36336">http://www.microsoft.com/en-in/download/details.aspx?id=36336</a>	N/A	N/A	<a href="http://www.microsoft.com/en-in/download/details.aspx?id=36274">http://www.microsoft.com/en-in/download/details.aspx?id=36274</a>

\* Microsoft XP SP3 Extended Support Patch – Only available to U.S. PSC contract or warranty customers. Contact GE Field Engineer for availability details.



## MLCL v6.9.5 Security Updates

The following patches bring the MLCL system to a more recent patch level and address several security vulnerabilities. The following guidelines apply:

- 1) The above patches are required patches for 6.9.5 and must be applied first.
- 2) It is expected that some patches listed will already be on the system.
- 3) Patches must be applied in order except where indicated.
- 4) Reboots are only required where indicated. If a Patch requests a reboot at another point, the system can be rebooted but it is not required.
- 5) Patches will not install if the software component to be patched is not present (such as an IE8 patch on a system that does not have IE8 installed).

	<b>INW Server</b>	<b>GE Hardware Acq/Review</b>	<b>Software Only System (XP)</b>	<b>Software Only System (Win7)</b>
<b>Operating System Platform</b>	<b>Windows Server 2008 R2 SP1</b>	<b>Windows XP SP3</b>	<b>Windows XP SP3</b>	<b>Windows 7 SP1</b>
<b>Security Patch</b>				
<b>MS17-010 KB4012598</b>	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a</a>	N/A
<b>MS17-013 KB4012583</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55460">https://www.microsoft.com/en-us/download/details.aspx?id=55460</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55460">https://www.microsoft.com/en-us/download/details.aspx?id=55460</a>	N/A
<b>CVE-2017-0176 KB4022747</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55465">https://www.microsoft.com/en-us/download/details.aspx?id=55465</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55465">https://www.microsoft.com/en-us/download/details.aspx?id=55465</a>	N/A
<b>CVE-2017-0222 IE8 KB4018271</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55474">https://www.microsoft.com/en-us/download/details.aspx?id=55474</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55474">https://www.microsoft.com/en-us/download/details.aspx?id=55474</a>	N/A





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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
<b>CVE-2017-0267 to 0280</b> <b>KB4018466</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55437">https://www.microsoft.com/en-us/download/details.aspx?id=55437</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55437">https://www.microsoft.com/en-us/download/details.aspx?id=55437</a>	N/A
<b>CVE-2017-7269</b> <b>KB3197835</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55425">https://www.microsoft.com/en-us/download/details.aspx?id=55425</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55425">https://www.microsoft.com/en-us/download/details.aspx?id=55425</a>	N/A
<b>CVE-2017-8461</b> <b>KB4024323</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55429">https://www.microsoft.com/en-us/download/details.aspx?id=55429</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55429">https://www.microsoft.com/en-us/download/details.aspx?id=55429</a>	N/A
<b>CVE-2017-8487</b> <b>KB4025218</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55469">https://www.microsoft.com/en-us/download/details.aspx?id=55469</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55469">https://www.microsoft.com/en-us/download/details.aspx?id=55469</a>	N/A
<b>CVE-2017-8543</b> <b>KB4024402</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55439">https://www.microsoft.com/en-us/download/details.aspx?id=55439</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55439">https://www.microsoft.com/en-us/download/details.aspx?id=55439</a>	N/A
<b>CVE-2017-8552</b> <b>KB4019204</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55452">https://www.microsoft.com/en-us/download/details.aspx?id=55452</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55452">https://www.microsoft.com/en-us/download/details.aspx?id=55452</a>	N/A
<b>KB3020369</b>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=46828">https://www.microsoft.com/en-us/download/details.aspx?id=46828</a>	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f00e3c36-f5e3-465c-95d2-a84a22425868">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f00e3c36-f5e3-465c-95d2-a84a22425868</a>



## GE Healthcare

	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
KB3125574 Convenience Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6147e6c1-663b-41bc-9582-9579343857d9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6147e6c1-663b-41bc-9582-9579343857d9</a>	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7ed4c8c3-0f06-4227-99e3-e9f143394687">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7ed4c8c3-0f06-4227-99e3-e9f143394687</a>
Reboot following convenience rollup	<b><u>Reboot Required</u></b>	N/A	N/A	<b><u>Reboot Required</u></b>
KB4022719 June 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4aa2ed70-7c26-4727-bd11-6a98b6dd622c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4aa2ed70-7c26-4727-bd11-6a98b6dd622c</a>	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b9815359-6aad-467e-8666-2351fad3c45">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b9815359-6aad-467e-8666-2351fad3c45</a>
Reboot	<b><u>Reboot Required</u></b>	<b><u>Reboot Required</u></b>	<b><u>Reboot Required</u></b>	<b><u>Reboot Required</u></b>
KB4041681 October 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cd0388fd-5aca-4a13-8417-c28e1d8b7dda">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cd0388fd-5aca-4a13-8417-c28e1d8b7dda</a> Make the following Registry Change - Only on Domain Controller. Create this registry key if it doesn't exist: [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\NTDS\Parameters] LdapEnforceChannelBinding=DWORD:1	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8a346e85-6ae3-46aa-a9e1-2e70e760f61c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8a346e85-6ae3-46aa-a9e1-2e70e760f61c</a>



## MLCL v6.9.5 2018 Patch Update 1

The following patches bring the MLCL system to a more recent patch level and address several security vulnerabilities. The following guidelines apply:

- 1) The above patches are required patches for 6.9.5 and must be applied first.
- 2) Pay attention to the Notes section for special handling instructions
- 3) Patches must be applied in order except where indicated.
- 4) Reboots are only required where indicated. If a Patch requests a reboot at another point, the system can be rebooted but it is not required.

**Follow these steps to make the following registry changes to remediate June and September 2017 monthly rollup vulnerabilities.**

Reference: <https://portal.msrc.microsoft.com/en-us/security-guidance/advisory/CVE-2017-8529>

### Windows 7 (Software Only Systems) & Windows 2008R2 (INW Server):

1. Click **Start**, click **Run**, type **regedt32** or type **regedit**, and then click **OK**.
2. In Registry Editor, locate the following registry folder: **HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main\FeatureControl\**
3. Right-click **FeatureControl**, point to **New**, and then click **Key**.
4. Type **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, and then press Enter to name the new subkey.
5. Right-click **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, point to **New**, and then click **DWORD Value**.
6. Type "iexplore.exe" for the new DWORD value.
7. Double-click the new DWORD value named iexplore.exe and change the **Value** data field to **1**.
8. Click **OK** to close.

### Windows 2008R2 (INW Server Only):

1. Click **Start**, click **Run**, type **regedt32** or type **regedit**, and then click **OK**.
2. In Registry Editor, locate the following registry folder: **HKEY\_LOCAL\_MACHINE\SOFTWARE\WOW6432Node\Microsoft\Internet Explorer\Main\FeatureControl\**
3. Right-click **FeatureControl**, point to **New**, and then click **Key**.
4. Type **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, and then press Enter to name the new subkey.
5. Right-click **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, point to **New**, and then click **DWORD Value**.
6. Type "iexplore.exe" for the new DWORD value.
7. Double-click the new DWORD value named iexplore.exe and change the **Value** data field to **1**.



8. Click **OK** to close.

<b>Windows 7 (Software Only Systems)</b>		
<b>KB</b>	<b>Link</b>	<b>Notes</b>
KB2984938 MS16-054 Microsoft Office 2007 Suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b215df87-a3bb-4e32-8ee4-8c7402ec33e4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b215df87-a3bb-4e32-8ee4-8c7402ec33e4</a>	
KB3114900 Microsoft Office Compatibility Pack Service Pack 3	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=51362">https://www.microsoft.com/en-us/download/details.aspx?id=51362</a>	
KB3118301 Microsoft Office 2007 suites	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=54004">https://www.microsoft.com/en-us/download/details.aspx?id=54004</a>	
KB3191897 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3adf3988-7151-425d-af28-6eeead092c2a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3adf3988-7151-425d-af28-6eeead092c2a</a>	
KB4018355 Microsoft Office Word 2007	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=117b0737-185c-48a6-a0f1-c2793a9d1841">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=117b0737-185c-48a6-a0f1-c2793a9d1841</a>	
KB3178683 Microsoft Office Word 2007	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=48861a33-b96f-4101-b1aa-8bddcb993939">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=48861a33-b96f-4101-b1aa-8bddcb993939</a>	
KB3141529 Microsoft Office 2007 suites	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55071">https://www.microsoft.com/en-us/download/details.aspx?id=55071</a>	



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KB2881067 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87d7d2fb-b4f0-4f7e-8a3a-b9ed4c4cd7a3">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87d7d2fb-b4f0-4f7e-8a3a-b9ed4c4cd7a3</a>	
KB3213640 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=41acdfc2-f8fd-428b-a5c0-b6fe1607c19d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=41acdfc2-f8fd-428b-a5c0-b6fe1607c19d</a>	
KB3118304 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeb6df50-3424-45e9-9ab7-0280809ed3df">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeb6df50-3424-45e9-9ab7-0280809ed3df</a>	
KB3191828 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1d26cddd-003b-45cc-a794-df5abbfb2d55">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1d26cddd-003b-45cc-a794-df5abbfb2d55</a>	
KB2596927 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ce09a331-7e53-46d2-b826-61ff20c651b6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ce09a331-7e53-46d2-b826-61ff20c651b6</a>	
KB4011265 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f9d6485-6e86-4f9c-8d4b-dbc787698ff9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f9d6485-6e86-4f9c-8d4b-dbc787698ff9</a>	
KB4011205 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8923e620-06d0-444a-b476-2a40811613fdv">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8923e620-06d0-444a-b476-2a40811613fdv</a>	
KB4018308 Microsoft Office Viewers Microsoft Office Compatibility Pack	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c9f90e7b-5e69-49cc-b487-6c84f1f0be40">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c9f90e7b-5e69-49cc-b487-6c84f1f0be40</a>	



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<b>KB4022150</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeae3a89-55f7-4a72-96b3-22ed0a676dc9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeae3a89-55f7-4a72-96b3-22ed0a676dc9</a>	
<b>KB4011656</b> Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=749b494d-2879-4eb5-b00d-45661c0d92fc">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=749b494d-2879-4eb5-b00d-45661c0d92fc</a>	
<b>KB4032212</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=01822181-a2ad-428c-9133-83b3bd1b589f">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=01822181-a2ad-428c-9133-83b3bd1b589f</a>	
<b>KB4011607</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6b9e3f30-4125-44cd-b84d-21ece30adcd0">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6b9e3f30-4125-44cd-b84d-21ece30adcd0</a>	
<b>KB4018354</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99</a>	
<b>KB3213646</b> Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8b04bc91-88c8-4229-86f0-b454e69a93f0">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8b04bc91-88c8-4229-86f0-b454e69a93f0</a>	
<b>KB3213641</b> Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d0955758-bb02-4421-bd68-9c1819c98c29">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d0955758-bb02-4421-bd68-9c1819c98c29</a>	
<b>KB4011720</b> Microsoft Office Compatibility	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=490ec326-af4b-4b8f-921f-4a81a9c4645c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=490ec326-af4b-4b8f-921f-4a81a9c4645c</a>	



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Pack Service Pack 3		
KB4018354 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99</a>	
KB2596904 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=158250e3-4ef3-47ef-acf3-908145be487a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=158250e3-4ef3-47ef-acf3-908145be487a</a>	
KB2984943 MS16-054 Microsoft Office 2007 SP3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=edcc1acb-520b-4b79-9cee-d4cb8be0a543">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=edcc1acb-520b-4b79-9cee-d4cb8be0a543</a>	
KB2837610 MS15-081 Microsoft Office 2007 SP3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fb8e843-7b66-4d04-9380-366e12d36a73">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fb8e843-7b66-4d04-9380-366e12d36a73</a>	
KB2596744 MS12-046 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=862c13b8-72ca-477d-9d14-82c00831e5cd">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=862c13b8-72ca-477d-9d14-82c00831e5cd</a>	
KB2596792 MS12-034 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f4695a25-0d22-4e3b-9ba9-9bbc62198c28">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f4695a25-0d22-4e3b-9ba9-9bbc62198c28</a>	
KB2850022 MS13-106 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c1790872-1db0-452a-a5b5-29ac0e6528c1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c1790872-1db0-452a-a5b5-29ac0e6528c1</a>	



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KB2920795 MS15-013 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89aa6f47-e537-4abd-a2f6-903a4ac5cba9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89aa6f47-e537-4abd-a2f6-903a4ac5cba9</a>	
KB2596825 MS13-074	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9676c624-58cb-4a30-b7b3-1d013cf3dbbc">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9676c624-58cb-4a30-b7b3-1d013cf3dbbc</a>	
KB3085549 MS15-131	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e33ff4cb-81c9-4d28-a0cd-707d7d6fc227">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e33ff4cb-81c9-4d28-a0cd-707d7d6fc227</a>	
KB3000483 MS15-011	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=dbd91e47-4238-4bbe-8c8b-87c2d02c57d2">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=dbd91e47-4238-4bbe-8c8b-87c2d02c57d2</a>	Install KB3004375 and KB3000483
KB3159398 MS16-072	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2329e2b7-4e31-42e3-86aa-2ebfaa2c6339">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2329e2b7-4e31-42e3-86aa-2ebfaa2c6339</a>	
	<b>Reboot Required</b>	
KB3155178 MS16-056	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=66bf9ecd-a620-45be-a807-f8005ee1326d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=66bf9ecd-a620-45be-a807-f8005ee1326d</a>	
KB3156016 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f21d3be8-dd35-4ac7-97b8-b4d06d4ed7f2">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f21d3be8-dd35-4ac7-97b8-b4d06d4ed7f2</a>	
KB2858302 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f0f98c12-0e77-4ec7-a52d-b6f6fe0076e1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f0f98c12-0e77-4ec7-a52d-b6f6fe0076e1</a>	
KB2604121 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afdd5d5e-2cc2-4a6a-a44f-e45a275702f5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afdd5d5e-2cc2-4a6a-a44f-e45a275702f5</a>	
	<b>Reboot Required</b>	
KB2972215 Microsoft .NET Framework	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=73ed412e-0927-4416-bf83-5fa89f2b31a1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=73ed412e-0927-4416-bf83-5fa89f2b31a1</a>	





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KB2742595 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=97e091c7-35eb-4da0-9346-e6f33115c8ed">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=97e091c7-35eb-4da0-9346-e6f33115c8ed</a>	
KB3097994 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89218326-341f-4723-9e1f-01890fcef45e">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89218326-341f-4723-9e1f-01890fcef45e</a>	
KB3037578 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5a9996be-4894-4c2f-aaab-0a467ab12115">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5a9996be-4894-4c2f-aaab-0a467ab12115</a>	
KB3023221 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87b6ea40-f80c-4611-8175-1d20d5f5c7f1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87b6ea40-f80c-4611-8175-1d20d5f5c7f1</a>	
KB2978125 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ebcb8b15-112e-4ee0-9dd9-0efd1bc965cc">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ebcb8b15-112e-4ee0-9dd9-0efd1bc965cc</a>	
KB2737019 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc5608e4-a70d-4344-b358-2847f4a57434">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc5608e4-a70d-4344-b358-2847f4a57434</a>	
KB3188730 .NET Framework 3.5.1	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=31324b0e-2319-431a-bd57-9727c18fd35a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=31324b0e-2319-431a-bd57-9727c18fd35a</a>	
KB2972106 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4825cb6b-8412-45a2-8595-ced595e9abc1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4825cb6b-8412-45a2-8595-ced595e9abc1</a>	
KB3074547 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d6c8c747-dec3-4695-b5f1-d9edecd625fd">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d6c8c747-dec3-4695-b5f1-d9edecd625fd</a>	
KB2835393 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7f14a9ff-eae7-4c4d-8f90-2e140f89246e">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7f14a9ff-eae7-4c4d-8f90-2e140f89246e</a>	
KB2840628	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0dfade8f-54fe-412a-aea6-66cb712a2bf9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0dfade8f-54fe-412a-aea6-66cb712a2bf9</a>	



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Microsoft .NET Framework 4		
KB3032662 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2d89e422-cf53-4d3e-bc81-03e053208c16">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2d89e422-cf53-4d3e-bc81-03e053208c16</a>	
KB2736428 MS13-007 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de4cbbf4-443f-4bb7-aebf-8da2fcc7b706">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de4cbbf4-443f-4bb7-aebf-8da2fcc7b706</a>	
KB2487367 MS11-066 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=79f342ab-66e7-42a7-8315-2677f99f20c5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=79f342ab-66e7-42a7-8315-2677f99f20c5</a>	
KB2834140 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3604fc71-9010-4acd-a2f5-b521d5c1dac1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3604fc71-9010-4acd-a2f5-b521d5c1dac1</a>	
KB3124275 IE8	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cb5c9d60-f931-413a-97a3-0a32434fbd55">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cb5c9d60-f931-413a-97a3-0a32434fbd55</a>	
	<b><u>Reboot Required</u></b>	
MS13-002 KB2758694	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=36292">https://www.microsoft.com/en-us/download/details.aspx?id=36292</a>	
Adobe Reader 11.0 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftpID=5507&amp;fileID=5519">https://supportdownloads.adobe.com/thankyou.jsp?ftpID=5507&amp;fileID=5519</a>	
Adobe Reader 11.0.23 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftpID=6279&amp;fileID=6314">https://supportdownloads.adobe.com/thankyou.jsp?ftpID=6279&amp;fileID=6314</a>	
	<b><u>Reboot Required</u></b>	
KB2979596	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44278">https://www.microsoft.com/en-us/download/details.aspx?id=44278</a>	<b>Run from cmd prompt with SQLServer2008SP4-KB2979596-</b>



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SQL Server 2008 SP4		x86-ENU.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
<b><u>Reboot Required</u></b>		
KB3045311 SQL Server 2008 SP4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11</a>	<p><b>Only run x86 file; Run from a cmd prompt as Administrator using the following command example. Replace AMD64_X86-all-sqlserver2008-kb3045311-x86_30561aef89c6d174fee7b77bed6b3b8539542558.exe with the correct file name:</b></p> <p><b>AMD64_X86-all-sqlserver2008-kb3045311-x86_30561aef89c6d174fee7b77bed6b3b8539542558.exe</b> /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE</p>
KB2900986 ActiveX Killbits	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=82b62134-bafb-4fd3-815e-73534b9d1aa5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=82b62134-bafb-4fd3-815e-73534b9d1aa5</a>	
KB3156019 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b5b7f2e4-bf3f-4974-ab23-f3a2ab886d31">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b5b7f2e4-bf3f-4974-ab23-f3a2ab886d31</a>	
<b><u>Reboot Required</u></b>		
KB3161949 MS16-077	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=25c0fd19-d4e4-4af5-aad9-f308dde496d5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=25c0fd19-d4e4-4af5-aad9-f308dde496d5</a>	



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	<b><u>Reboot Required</u></b>	
KB4025337 July 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=794feee1-ea78-4c11-a683-a91335abb0e3">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=794feee1-ea78-4c11-a683-a91335abb0e3</a>	
	<b><u>Reboot Required</u></b>	
KB4034679 August 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=04eaa57c-5a16-484a-aeafa-b9df268e1c07">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=04eaa57c-5a16-484a-aeafa-b9df268e1c07</a>	
	<b><u>Reboot Required</u></b>	
KB4048957 November 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=224b07ab-de98-45f0-8b9c-83551cac66f6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=224b07ab-de98-45f0-8b9c-83551cac66f6</a>	
	<b><u>Reboot Required</u></b>	
KB4054518 December 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b48d1cb-83f7-43e1-9308-18872ffe4dce">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b48d1cb-83f7-43e1-9308-18872ffe4dce</a>	
	<b><u>Reboot Required</u></b>	
KB4056894 January 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=63bb3909-e5fe-45a2-8d59-44f9df52317f">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=63bb3909-e5fe-45a2-8d59-44f9df52317f</a>	
	<b><u>Reboot Required</u></b>	
KB4074598 February 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=651e95ab-6e7c-4ea6-9cd2-3cbabd9b76f0">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=651e95ab-6e7c-4ea6-9cd2-3cbabd9b76f0</a>	



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	<b><u>Reboot Required</u></b>	
KB4088875 March 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3ed75c38-aa36-437e-bf4f-574789591e03">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3ed75c38-aa36-437e-bf4f-574789591e03</a>	
	<b><u>Reboot Required</u></b>	
KB4093118 April 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=647f49ef-0f0a-49dc-9766-dd255cded1af">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=647f49ef-0f0a-49dc-9766-dd255cded1af</a>	
	<b><u>Reboot Required</u></b>	
KB4103718 May 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f4d0c73-a177-48cf-a3e7-97d1a94cbo87">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f4d0c73-a177-48cf-a3e7-97d1a94cbo87</a>	
	<b><u>Reboot Required</u></b>	
KB4284826 June 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=326a9830-3983-402d-b48b-7a35f99c516a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=326a9830-3983-402d-b48b-7a35f99c516a</a>	
	<b><u>Reboot Required</u></b>	
KB4338818 July 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ea409dca-1368-48cf-94c1-d510b1690d74">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ea409dca-1368-48cf-94c1-d510b1690d74</a>	
	<b><u>Reboot Required</u></b>	
KB4343900 August 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d785f6dd-d90b-4cb9-838a-8faf5971165f">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d785f6dd-d90b-4cb9-838a-8faf5971165f</a>	NOTE: Make the following Registry Change - Create these registry keys if it doesn't exist:



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		[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Session Manager\Memory Management\ Value Name= [FeatureSettingsOverride] Type=[DWORD] Data=[0] Value Name= [FeatureSettingsOverrideMask] Type=[DWORD] Data=[3]
KB2269637	Create the following Registry Key Key=[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\ Value Name=[CWDIllegalInDllSearch] Type=[REG_DWORD] Data=[1]	
KB2719662	Create the following Registry Key Key=[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Windows\Sidebar\ Value Name=[TurnOffSidebar] Type=[REG_DWORD] Data=[1]	
KB3125869	NOTE: Make the following Registry Change - Create these registry keys if it doesn't exist: [HKLM\SOFTWARE\Microsoft\Internet Explorer\MAIN\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING\ Value Name= [iexplore.exe] Type=[DWORD] Data=[1]	
	<b><u>Reboot Required</u></b>	



Windows 2008R2 (INW Server)

KB	Link	Notes
HPSBMU03593 Rev 2	<a href="https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_b36fb879335a41d78ee5e99f7f">https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_b36fb879335a41d78ee5e99f7f</a>	<b>Installation:</b>  <ol style="list-style-type: none"><li>1) Download the Smart Component (<b>cp034022.exe</b>) file to a local directory on the server where you want to install the software.</li><li>2) Change to the directory where you downloaded</li><li>3) Run the <b>cp034022.exe</b> file by double-clicking it. A dialog box will display.</li><li>4) Click the 'Install' button to install the SMH</li></ol>
<b>Reboot Required</b>		
HPESBHF03805 Rev 23	ML350p G8 ( <b>cp034981.exe</b> ) <a href="https://www.hpe.com/global/swpublishing/MTX-13ba0628afe449eab067a56323">https://www.hpe.com/global/swpublishing/MTX-13ba0628afe449eab067a56323</a>  DL370 G6 ( <b>cp035397.exe</b> ) <a href="https://www.hpe.com/global/swpublishing/MTX-df78827f61164b6f952314da7c">https://www.hpe.com/global/swpublishing/MTX-df78827f61164b6f952314da7c</a>	<b>This only applies to ML350p G8 and DL370 G6</b> <b>NOTE: Intel/HP has not provided Firmware update for ML370 G5, G4 Servers</b> Installation: To update firmware from Windows operating system on target server: 1. Download <b>cp034981.exe/ cp035397.exe</b> file to a local directory on the server where you want to install the software



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		<ol style="list-style-type: none"> <li>Run <b>cp034981.exe/ cp035397.exe</b> file from the same directory by double-clicking it.</li> <li>When the Component dialog window displays, click the <b>“Install”</b> button to initiate the firmware upgrade.</li> </ol>
<b>Reboot Required</b>		
KB2834140 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b73fccca-dde8-4542-a5fa-0b23ce19aaee">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b73fccca-dde8-4542-a5fa-0b23ce19aaee</a>	
KB3124275 IE8	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8bf1b674-47b0-435a-b263-00f434227cda">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8bf1b674-47b0-435a-b263-00f434227cda</a>	
MS12-056 KB2706045	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=30554">https://www.microsoft.com/en-us/download/details.aspx?id=30554</a>	
MS13-002 KB2758694	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=36273">https://www.microsoft.com/en-us/download/details.aspx?id=36273</a>	
Adobe Reader 11.0 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftplD=5507&amp;fileID=5519">https://supportdownloads.adobe.com/thankyou.jsp?ftplD=5507&amp;fileID=5519</a>	
Adobe Reader 11.0.23 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftplD=6279&amp;fileID=6314">https://supportdownloads.adobe.com/thankyou.jsp?ftplD=6279&amp;fileID=6314</a>	
<b>Reboot Required</b>		
KB3188730 .NET Framework 3.5.1	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=db79590e-38a6-4180-b6d2-900eeb061ac4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=db79590e-38a6-4180-b6d2-900eeb061ac4</a>	
KB2979596 SQL Server 2008 SP4	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44278">https://www.microsoft.com/en-us/download/details.aspx?id=44278</a>	<b>Run from cmd prompt with SQLServer2008SP4-KB2979596-x64-ENU.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE</b>
<b>Reboot Required</b>		





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<p>KB3045311 SQL Server 2008 SP4</p>	<p><a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11</a></p>	<p><b>Only run x86 file; Run from a cmd prompt as Administrator using the following command example. Replace AMD64_X86-all-sqlserver2008-kb3045311-x86_30561aef89c6d174fee7b77bed6b3b8539542558.exe with the correct file name:</b></p> <p><b>AMD64_X86-all-sqlserver2008-kb3045311-x86_30561aef89c6d174fee7b77bed6b3b8539542558.exe</b> /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE</p>
<b>Reboot Required</b>		
<p>KB3104002 MS15-124 IE8</p>	<p>NOTE: Make the following Registry Change – Create these registry keys if it doesn't exist:</p> <p>[HKLM\SOFTWARE\Microsoft\Internet Explorer\MAIN\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING] Value Name= [iexplore.exe] Type=[DWORD] Data=[1]</p> <p>[HKLM\SOFTWARE\Wow6432Node\Microsoft\Internet Explorer\MAIN\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING] Value Name= [iexplore.exe] Type=[DWORD] Data=[1]</p>	
<p>KB2900986 ActiveX Killbits</p>	<p><a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fd1a18b-3dba-4dbc-820e-750a4e32f24c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fd1a18b-3dba-4dbc-820e-750a4e32f24c</a></p>	



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KB3156019 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=05cb4345-49ea-4eca-8ba3-f870466c46c7">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=05cb4345-49ea-4eca-8ba3-f870466c46c7</a>	
KB3159398 MS16-072	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56a7a134-5ad6-43c2-aab1-e10d2fef8f7c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56a7a134-5ad6-43c2-aab1-e10d2fef8f7c</a>	
	<b>Reboot Required</b>	
KB3156016 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de32fc3d-60a4-4fc9-9588-0c404765940a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de32fc3d-60a4-4fc9-9588-0c404765940a</a>	
	<b>Reboot Required</b>	
KB3161949 MS16-077	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5bc0e07b-33ca-4ea2-8253-4f0dcd26783a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5bc0e07b-33ca-4ea2-8253-4f0dcd26783a</a>	
	<b>Reboot Required</b>	
KB4025337 July 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=85fadee5-ed6f-4a22-964a-9b2991c4cff1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=85fadee5-ed6f-4a22-964a-9b2991c4cff1</a>	
	<b>Reboot Required</b>	
KB4034679 August 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=07571deb-76fc-463b-9282-db65963e6fe4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=07571deb-76fc-463b-9282-db65963e6fe4</a>	
	<b>Reboot Required</b>	
KB4048957 November 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=435d3006-04ae-4c27-a5f9-3c36f09e58ed">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=435d3006-04ae-4c27-a5f9-3c36f09e58ed</a>	
	<b>Reboot Required</b>	
KB4054518 December 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=09064e30-6f3e-4c99-8d09-fbc2ba06b436">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=09064e30-6f3e-4c99-8d09-fbc2ba06b436</a>	
	<b>Reboot Required</b>	
KB4056894 January 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc887fd2-cd35-434b-b6e3-1fef99b2e7ce">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc887fd2-cd35-434b-b6e3-1fef99b2e7ce</a>	



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	<b>Reboot Required</b>	
KB4074598 February 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f3ab18cb-219e-4287-b14c-3a05c8d9479a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f3ab18cb-219e-4287-b14c-3a05c8d9479a</a>	
	<b>Reboot Required</b>	
KB4088875 March 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=03df6731-e0a6-4917-9da3-161a0b7f6b09">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=03df6731-e0a6-4917-9da3-161a0b7f6b09</a>	
	<b>Reboot Required</b>	
KB4093118 April 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d2c7363c-323f-4e92-892a-90b83027e4aa">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d2c7363c-323f-4e92-892a-90b83027e4aa</a>	
	<b>Reboot Required</b>	
KB4103718 May 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4fe75106-a2ba-4186-aecd-10424a19225e">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4fe75106-a2ba-4186-aecd-10424a19225e</a>	
	<b>Reboot Required</b>	
KB4284826 June 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=999fa80e-c59d-4ff6-8268-c6a8c365f428">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=999fa80e-c59d-4ff6-8268-c6a8c365f428</a>	
	<b>Reboot Required</b>	
KB4338818 July 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1c930eab-7b7e-4616-b5b5-d6e4a723bc71">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1c930eab-7b7e-4616-b5b5-d6e4a723bc71</a>	
	<b>Reboot Required</b>	
KB4343900 August 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=71600c77-2a56-4ba2-991b-ad477cfc9eb9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=71600c77-2a56-4ba2-991b-ad477cfc9eb9</a>	NOTE: Make the following Registry Changes – Create these registry keys if it doesn't exist: Key=[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Session Manager\Memory Management\]



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		Value Name= [FeatureSettingsOverride] Type= [DWORD] Data= [0] Value Name =[FeatureSettingsOverrideMask] Type= [DWORD] Data= [3]
KB2269637	Create the following Registry Keys Key=[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\ Value Name=[CWDIllegalInDllSearch] Type=[REG_DWORD] Data=[1]	
<b>Reboot Required</b>		

## MLCL v6.9.5 Firmware

HPSBPI02938 Pre-9/23/2013 Firmware •HP CP2025N printer	<a href="http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=w_srp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken">http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=w_srp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken</a>
HPSBPI02938 Pre-9/23/2013 Firmware •HP LaserJet Pro 400 Printer M401	<a href="http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=w_srp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken">http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=w_srp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken</a>
HPSBPI02938 Pre-9/23/2013 Firmware •HP LaserJet Pro 400 color Printer M451	<a href="http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=w_srp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken">http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=w_srp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken</a>



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	<a href="#">2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken</a>
<b>HPSBPI02938 Pre-9/23/2013 Firmware</b> •HP LaserJet P2035N	N/A
<b>HPSBPI02938 Pre-9/23/2013 Firmware</b> •HP LaserJet 2300	N/A
<b>RICOH SP4100N</b>	N/A
<b>RICOH AP410N</b>	N/A
<b>RICOH CL3500N</b>	N/A
<b>RICOH CL3000</b>	N/A



MLCL v6.9

	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
<b>Operating System Platform</b>	Windows Server 2008 R2 SP1	Windows XP SP3	Windows XP SP3	Windows 7 SP1
<b>Current Unqualified Vulnerability</b>	KB4457145 (CVE-2018-5391) KB4462915 (CVE-2018-8320) KB4462915 (CVE-2018-8320) KB3177467(ADV990001) KB4467106(CVE-2018-8256, CVE-2018-8476) KB4470600   KB4470493 (CVE-2018-8517) KB4486564 (CVE-2019-0626) KB4490425(ADV190006) HPESBHF03904 rev.1 HPESBHF03874 rev.1 KB4489885(CVE-2019-0683) KB4474419(ADV190009) HPSBHF03572 rev. 4 KB4499164 (CVE-2019-0708) KB4503292 KB4507456(CVE-2019-1082) KB4507411(CVE-2019-1083, CVE-2019-1006) KB4512486 (CVE-2019-0736, CVE-2019-1181, CVE-2019-1182 )	KB4500331 (CVE-2019-0708)	KB4500331 (CVE-2019-0708)	SP93482 SP91925 KB4467106(CVE-2018-8256, CVE-2018-8476) KB4470600   KB4470493 (CVE-2018-8517) KB4486564 (CVE-2019-0626) KB4490425(ADV190006) KB3177467(ADV990001) KB4489885(CVE-2019-0683) KB4474419(ADV190009) KB4499164 (CVE-2019-0708) KB4461619 KB4462178 KB4503292 KB4507456(CVE-2019-1082) KB4507411(CVE-2019-1083, CVE-2019-1006) KB4512486 (CVE-2019-0736, CVE-2019-1181, CVE-2019-1182 )
<b>Security Patch</b>				
<b>MS15-127 KB3100465</b>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=50127">https://www.microsoft.com/en-us/download/details.aspx?id=50127</a>	N/A	N/A	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
(Domain Controller only)				
<b>HP System Management Homepage HPSBMU03380</b> <b>Version: 7.5.4.3(1 Apr 2016)</b>	<a href="https://h20566.www2.hp.com/hpsc/swd/public/detail?idx=&amp;action=driverDocument&amp;itemLocale=&amp;swItemId=MTX544617581c264c8eaafe6b273a&amp;mode">https://h20566.www2.hp.com/hpsc/swd/public/detail?idx=&amp;action=driverDocument&amp;itemLocale=&amp;swItemId=MTX544617581c264c8eaafe6b273a&amp;mode</a>  Please see section - How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03380  <b>NOTE</b> HPSBMU03051 must be installed before HPSBMU03380.	N/A	N/A	N/A
<b>Windows Server 2008 R2 SP1 KB976932</b>	<b>Pre-Installation Requirement - Turn On Windows Update Service Configuration instruction section.</b> <a href="http://www.microsoft.com/en-us/download/details.aspx?id=5842">http://www.microsoft.com/en-us/download/details.aspx?id=5842</a>  <b>Post-Installation Requirement - Turn Off Windows Update Service Configuration instruction section.</b>	N/A	N/A	N/A
<b>2007 Microsoft Office Suite SP3 KB2526086</b>	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=27838">http://www.microsoft.com/en-us/download/details.aspx?id=27838</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=27838">http://www.microsoft.com/en-us/download/details.aspx?id=27838</a>	N/A
<b>Service Pack 3 for Office Language Pack 2007 KB2526086</b>	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=27829">http://www.microsoft.com/en-us/download/details.aspx?id=27829</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=27829">http://www.microsoft.com/en-us/download/details.aspx?id=27829</a>	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
MS15-034 KB3042553	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=46480">https://www.microsoft.com/en-us/download/details.aspx?id=46480</a>	N/A	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=46501">https://www.microsoft.com/en-us/download/details.aspx?id=46501</a>
MS14-068 KB3011780	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44966">https://www.microsoft.com/en-us/download/details.aspx?id=44966</a>	N/A	N/A	N/A
MS14-066 KB2992611	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44618">https://www.microsoft.com/en-us/download/details.aspx?id=44618</a>	MS14-066 KB2992611* - see note below table	MS14-066 KB2992611* - see note below table	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44633">https://www.microsoft.com/en-us/download/details.aspx?id=44633</a>
MS14-031 KB2957189	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=43143">https://www.microsoft.com/en-us/download/details.aspx?id=43143</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=43147">http://www.microsoft.com/en-us/download/details.aspx?id=43147</a>
HP System Management Homepage HPSBMU03051 Version: 7.3.3.1(19 Jun 2014)	<a href="http://h20564.www2.hp.com/hpsc/swd/public/detail?swItemId=MTX_e8076c2a35804685ad65b2b1ba">http://h20564.www2.hp.com/hpsc/swd/public/detail?swItemId=MTX_e8076c2a35804685ad65b2b1ba</a>  Please see section - How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03051	N/A	N/A	N/A
MS14-016 KB2923392 (Domain Controller only)	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=42099">http://www.microsoft.com/en-us/download/details.aspx?id=42099</a>	N/A	N/A	N/A
MS13-081 KB2884256	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40379">http://www.microsoft.com/en-us/download/details.aspx?id=40379</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e82a6c5c-60a2-495d-befe-51e9c80522b6</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40407">http://www.microsoft.com/en-us/download/details.aspx?id=40407</a>
MS13-081 KB2868038	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40526">http://www.microsoft.com/en-us/download/details.aspx?id=40526</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a13ead5b-d2fe-482d-8bbd-a85fc2e19e99</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40395">http://www.microsoft.com/en-us/download/details.aspx?id=40395</a>
MS13-081 KB2864202	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40404">http://www.microsoft.com/en-us/download/details.aspx?id=40404</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40601">http://www.microsoft.com/en-us/download/details.aspx?id=40601</a>
MS13-081	<a href="http://www.microsoft.com/en-">http://www.microsoft.com/en-</a>	<a href="http://catalog.update.microsoft.com/v7">http://catalog.update.microsoft.com/v7</a>	<a href="http://catalog.update.microsoft.com/v7">http://catalog.update.microsoft.com/v7</a>	<a href="http://www.microsoft.com/en-">http://www.microsoft.com/en-</a>





## GE Healthcare

	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
KB2862335	<a href="http://us/download/details.aspx?id=40590">us/download/details.aspx?id=40590</a>	<a href="http://site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca">/site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca</a>	<a href="http://site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca">/site/ScopedViewInline.aspx?updateid=afde3eb0-1773-4bbb-9f31-977dc19bcaca</a>	<a href="http://us/download/details.aspx?id=40409">us/download/details.aspx?id=40409</a>
MS13-081 KB2862330	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40372">http://www.microsoft.com/en-us/download/details.aspx?id=40372</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=55040924-38b1-49fb-b93e-95293da6b2d5</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40507">http://www.microsoft.com/en-us/download/details.aspx?id=40507</a>
MS13-079 KB2853587 (Domain Controller only)	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=40025">http://www.microsoft.com/en-us/download/details.aspx?id=40025</a>	N/A	N/A	N/A
MS13-065 KB2868623	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39885">http://www.microsoft.com/en-us/download/details.aspx?id=39885</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39809">http://www.microsoft.com/en-us/download/details.aspx?id=39809</a>
MS13-062 KB2849470	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39899">http://www.microsoft.com/en-us/download/details.aspx?id=39899</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0fd35735-82e1-4006-87b7-1a3e596d0f8d</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39890">http://www.microsoft.com/en-us/download/details.aspx?id=39890</a>
MS13-049 KB2845690	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39221">http://www.microsoft.com/en-us/download/details.aspx?id=39221</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=39217">http://www.microsoft.com/en-us/download/details.aspx?id=39217</a>
MS13-018 KB2790655	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=36651">http://www.microsoft.com/en-us/download/details.aspx?id=36651</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=36694">http://www.microsoft.com/en-us/download/details.aspx?id=36694</a>
MS13-001 KB2769369	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=36336">http://www.microsoft.com/en-us/download/details.aspx?id=36336</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=36274">http://www.microsoft.com/en-us/download/details.aspx?id=36274</a>
MS12-054 KB2705219	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=30492">http://www.microsoft.com/en-us/download/details.aspx?id=30492</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=aeb95635-30b8-4316-ac16-f4be037320a4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=aeb95635-30b8-4316-ac16-f4be037320a4</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=aeb95635-30b8-4316-ac16-f4be037320a4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=aeb95635-30b8-4316-ac16-f4be037320a4</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=30547">http://www.microsoft.com/en-us/download/details.aspx?id=30547</a>
MS12-054 KB2712808	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=30555">http://www.microsoft.com/en-us/download/details.aspx?id=30555</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=30535">http://www.microsoft.com/en-us/download/details.aspx?id=30535</a>



## GE Healthcare

	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
		<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a506f3f3-d548-4093-8870-e2cb364d02f6">a506f3f3-d548-4093-8870-e2cb364d02f6</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a506f3f3-d548-4093-8870-e2cb364d02f6">a506f3f3-d548-4093-8870-e2cb364d02f6</a>	
<b>MS12-053 KB2723135</b>	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b3a7222c-310e-44b5-9242-c2b378e76f26">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b3a7222c-310e-44b5-9242-c2b378e76f26</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b3a7222c-310e-44b5-9242-c2b378e76f26">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b3a7222c-310e-44b5-9242-c2b378e76f26</a>	N/A
<b>MS12-036 KB2685939</b>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=30021">http://www.microsoft.com/en-us/download/details.aspx?id=30021</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=78d6bd61-50c5-43d3-ace6-1cd82c8e4a6b">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=78d6bd61-50c5-43d3-ace6-1cd82c8e4a6b</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=78d6bd61-50c5-43d3-ace6-1cd82c8e4a6b">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=78d6bd61-50c5-43d3-ace6-1cd82c8e4a6b</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=30087">http://www.microsoft.com/en-us/download/details.aspx?id=30087</a>
<b>MS12-020 KB2621440</b>	<a href="http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29116">http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29116</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6616ac60-d0df-4e7e-afc8-99e7f201a638">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6616ac60-d0df-4e7e-afc8-99e7f201a638</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6616ac60-d0df-4e7e-afc8-99e7f201a638">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6616ac60-d0df-4e7e-afc8-99e7f201a638</a>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=29132">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=29132</a>
<b>MS12-020 KB2667402</b>	<a href="http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29169">http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29169</a>	N/A	N/A	<a href="http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29145">http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29145</a>
<b>MS12-017 KB2647170 (Domain Controller Only)</b>	<a href="http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29164">http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=29164</a>	N/A	N/A	N/A
<b>MS12-005 KB2584146</b>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28620">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28620</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56b2ce05-c7b8-4c02-8093-833ffb1166ea">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56b2ce05-c7b8-4c02-8093-833ffb1166ea</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56b2ce05-c7b8-4c02-8093-833ffb1166ea">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56b2ce05-c7b8-4c02-8093-833ffb1166ea</a>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28597">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28597</a>
<b>MS12-004 KB2598479</b>	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=13302bb8-e02d-4453-87dc-c2350c4a8a56">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=13302bb8-e02d-4453-87dc-c2350c4a8a56</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=13302bb8-e02d-4453-87dc-c2350c4a8a56">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=13302bb8-e02d-4453-87dc-c2350c4a8a56</a>	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
<b>MS12-004 KB2631813</b>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28617">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28617</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5ed104d6-bcbd-42df-bea3-9d79c1f67516">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5ed104d6-bcbd-42df-bea3-9d79c1f67516</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5ed104d6-bcbd-42df-bea3-9d79c1f67516">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5ed104d6-bcbd-42df-bea3-9d79c1f67516</a>	<a href="http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=28595">http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&amp;id=28595</a>
<b>MS11-083 KB2588516</b>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27894">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27894</a>	N/A	N/A	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27902">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27902</a>
<b>MS11-065 KB2570222</b>	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=bc650c75-d11a-4b8e-9cb8-b505335a5d95">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=bc650c75-d11a-4b8e-9cb8-b505335a5d95</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=bc650c75-d11a-4b8e-9cb8-b505335a5d95">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=bc650c75-d11a-4b8e-9cb8-b505335a5d95</a>	N/A
<b>MS11-064 KB2563894</b>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27074">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27074</a>	N/A	N/A	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27052">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27052</a>
<b>MS11-063 KB2567680</b>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27039">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27039</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a65a95ea-8da5-4961-be35-ff11252f5430">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a65a95ea-8da5-4961-be35-ff11252f5430</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a65a95ea-8da5-4961-be35-ff11252f5430">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a65a95ea-8da5-4961-be35-ff11252f5430</a>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27025">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=27025</a>
<b>MS11-062 KB2566454</b>	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5feaa407-3d5b-4bda-abc9-33cd58b5ac15">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5feaa407-3d5b-4bda-abc9-33cd58b5ac15</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5feaa407-3d5b-4bda-abc9-33cd58b5ac15">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5feaa407-3d5b-4bda-abc9-33cd58b5ac15</a>	N/A
<b>MS11-089 KB2596785</b>	N/A	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28512">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28512</a>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28512">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28512</a>	<a href="http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28512">http://www.microsoft.com/download/en/details.aspx?displaylang=en&amp;id=28512</a>
<b>MS11-058 KB2562485 (Domain Controller only)</b>	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=27027">http://www.microsoft.com/en-us/download/details.aspx?id=27027</a>	N/A	N/A	N/A

\* Microsoft XP SP3 Extended Support Patch – Only available to U.S. PSC contract or warranty customers. Contact GE Field Engineer for availability details.



GE Healthcare



## MLCL v6.9 Security Updates

The following patches bring the MLCL system to a more recent patch level and address several security vulnerabilities. The following guidelines apply:

- 1) The above patches are required patches for 6.9 and must be applied first.
- 2) It is expected that some patches listed will already be on the system.
- 3) Patches must be applied in order except where indicated.
- 4) Reboots are only required where indicated. If a Patch requests a reboot at another point, the system can be rebooted but it is not required.
- 5) Patches will not install if the software component to be patched is not present (such as an IE8 patch on a system that does not have IE8 installed).

	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
<b>Operating System Platform</b>	Windows Server 2008 R2 SP1	Windows XP SP3	Windows XP SP3	Windows 7 SP1
<b>Security Patch</b>				
<b>MS17-010 KB4012598</b>	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a</a>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9e189800-f354-4dc8-8170-7bd0ad7ca09a</a>	N/A
<b>MS17-013 KB4012583</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55460">https://www.microsoft.com/en-us/download/details.aspx?id=55460</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55460">https://www.microsoft.com/en-us/download/details.aspx?id=55460</a>	N/A
<b>CVE-2017-0176 KB4022747</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55465">https://www.microsoft.com/en-us/download/details.aspx?id=55465</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55465">https://www.microsoft.com/en-us/download/details.aspx?id=55465</a>	N/A
<b>CVE-2017-0222 IE8 KB4018271</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55474">https://www.microsoft.com/en-us/download/details.aspx?id=55474</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55474">https://www.microsoft.com/en-us/download/details.aspx?id=55474</a>	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
<b>CVE-2017-0267 to 0280</b> <b>KB4018466</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55437">https://www.microsoft.com/en-us/download/details.aspx?id=55437</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55437">https://www.microsoft.com/en-us/download/details.aspx?id=55437</a>	N/A
<b>CVE-2017-7269</b> <b>KB3197835</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55425">https://www.microsoft.com/en-us/download/details.aspx?id=55425</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55425">https://www.microsoft.com/en-us/download/details.aspx?id=55425</a>	N/A
<b>CVE-2017-8461</b> <b>KB4024323</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55429">https://www.microsoft.com/en-us/download/details.aspx?id=55429</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55429">https://www.microsoft.com/en-us/download/details.aspx?id=55429</a>	N/A
<b>CVE-2017-8487</b> <b>KB4025218</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55469">https://www.microsoft.com/en-us/download/details.aspx?id=55469</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55469">https://www.microsoft.com/en-us/download/details.aspx?id=55469</a>	N/A
<b>CVE-2017-8543</b> <b>KB4024402</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55439">https://www.microsoft.com/en-us/download/details.aspx?id=55439</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55439">https://www.microsoft.com/en-us/download/details.aspx?id=55439</a>	N/A
<b>CVE-2017-8552</b> <b>KB4019204</b>	N/A	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55452">https://www.microsoft.com/en-us/download/details.aspx?id=55452</a>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55452">https://www.microsoft.com/en-us/download/details.aspx?id=55452</a>	N/A
<b>KB3020369</b>	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=46828">https://www.microsoft.com/en-us/download/details.aspx?id=46828</a>	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f00e3c36-f5e3-465c-95d2-a84a22425868">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f00e3c36-f5e3-465c-95d2-a84a22425868</a>



## GE Healthcare

	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
<b>KB3125574 Convenience Rollup</b>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6147e6c1-663b-41bc-9582-9579343857d9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6147e6c1-663b-41bc-9582-9579343857d9</a>	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7ed4c8c3-0f06-4227-99e3-e9f143394687">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7ed4c8c3-0f06-4227-99e3-e9f143394687</a>
<b>Reboot following convenience rollup</b>	<b><u>Reboot Required</u></b>	N/A	N/A	<b><u>Reboot Required</u></b>
<b>KB4022719 June 2017 Monthly Rollup</b>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4a2ed70-7c26-4727-bd11-6a98b6dd622c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4a2ed70-7c26-4727-bd11-6a98b6dd622c</a>	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b9815359-6aad-467e-8666-2351fad3c45">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b9815359-6aad-467e-8666-2351fad3c45</a>
<b>Reboot</b>	<b><u>Reboot Required</u></b>	<b><u>Reboot Required</u></b>	<b><u>Reboot Required</u></b>	<b><u>Reboot Required</u></b>
<b>KB4041681 October 2017 Monthly Rollup</b>	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cd0388fd-5aca-4a13-8417-c28e1d8b7dda">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cd0388fd-5aca-4a13-8417-c28e1d8b7dda</a> Make the following Registry Change - Only on Domain Controller. Create this registry key if it doesn't exist: [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\NTDS\Parameters] LdapEnforceChannelBinding=DWORD:1	N/A	N/A	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8a346e85-6ae3-46aa-a9e1-2e70e760f61c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8a346e85-6ae3-46aa-a9e1-2e70e760f61c</a>



## MLCL v6.9 2018 Patch Update 1

The following patches bring the MLCL system to a more recent patch level and address several security vulnerabilities. The following guidelines apply:

- 5) The above patches are required patches for 6.9 and must be applied first.
- 6) Pay attention to the Notes section for special handling instructions
- 7) Patches must be applied in order except where indicated.
- 8) Reboots are only required where indicated. If a Patch requests a reboot at another point, the system can be rebooted but it is not required.

**Follow these steps to make the following registry changes to remediate June and September 2017 monthly rollup vulnerabilities.**

Reference: <https://portal.msrc.microsoft.com/en-us/security-guidance/advisory/CVE-2017-8529>

### Windows 7 (Software Only Systems) & Windows 2008R2 (INW Server):

9. Click **Start**, click **Run**, type **regedt32** or type **regedit**, and then click **OK**.
10. In Registry Editor, locate the following registry folder: **HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Internet Explorer\Main\FeatureControl\**
11. Right-click **FeatureControl**, point to **New**, and then click **Key**.
12. Type **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, and then press Enter to name the new subkey.
13. Right-click **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, point to **New**, and then click **DWORD Value**.
14. Type "iexplore.exe" for the new DWORD value.
15. Double-click the new DWORD value named iexplore.exe and change the **Value** data field to **1**.
16. Click **OK** to close.

### Windows 2008R2 (INW Server Only):

9. Click **Start**, click **Run**, type **regedt32** or type **regedit**, and then click **OK**.
10. In Registry Editor, locate the following registry folder: **HKEY\_LOCAL\_MACHINE\SOFTWARE\WOW6432Node\Microsoft\Internet Explorer\Main\FeatureControl\**
11. Right-click **FeatureControl**, point to **New**, and then click **Key**.
12. Type **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, and then press Enter to name the new subkey.
13. Right-click **FEATURE\_ENABLE\_PRINT\_INFO\_DISCLOSURE\_FIX**, point to **New**, and then click **DWORD Value**.
14. Type "iexplore.exe" for the new DWORD value.
15. Double-click the new DWORD value named iexplore.exe and change the **Value** data field to **1**.





16. Click OK to close.

<b>Windows 7 (Software Only Systems)</b>		
<b>KB</b>	<b>Link</b>	<b>Notes</b>
KB2984938 MS16-054 Microsoft Office 2007 Suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b215df87-a3bb-4e32-8ee4-8c7402ec33e4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b215df87-a3bb-4e32-8ee4-8c7402ec33e4</a>	
KB3114900 Microsoft Office Compatibility Pack Service Pack 3	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=51362">https://www.microsoft.com/en-us/download/details.aspx?id=51362</a>	
KB3118301 Microsoft Office 2007 suites	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=54004">https://www.microsoft.com/en-us/download/details.aspx?id=54004</a>	
KB3191897 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3adf3988-7151-425d-af28-6eeead092c2a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3adf3988-7151-425d-af28-6eeead092c2a</a>	
KB4018355 Microsoft Office Word 2007	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=117b0737-185c-48a6-a0f1-c2793a9d1841">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=117b0737-185c-48a6-a0f1-c2793a9d1841</a>	
KB3178683 Microsoft Office Word 2007	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=48861a33-b96f-4101-b1aa-8bddcb993939">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=48861a33-b96f-4101-b1aa-8bddcb993939</a>	
KB3141529 Microsoft Office 2007 suites	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=55071">https://www.microsoft.com/en-us/download/details.aspx?id=55071</a>	



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KB2881067 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87d7d2fb-b4f0-4f7e-8a3a-b9ed4c4cd7a3">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87d7d2fb-b4f0-4f7e-8a3a-b9ed4c4cd7a3</a>	
KB3213640 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=41acdfc2-f8fd-428b-a5c0-b6fe1607c19d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=41acdfc2-f8fd-428b-a5c0-b6fe1607c19d</a>	
KB3118304 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeb6df50-3424-45e9-9ab7-0280809ed3df">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeb6df50-3424-45e9-9ab7-0280809ed3df</a>	
KB3191828 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1d26cddd-003b-45cc-a794-df5abfb2d55">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1d26cddd-003b-45cc-a794-df5abfb2d55</a>	
KB2596927 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ce09a331-7e53-46d2-b826-61ff20c651b6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ce09a331-7e53-46d2-b826-61ff20c651b6</a>	
KB4011265 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f9d6485-6e86-4f9c-8d4b-dbc787698ff9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f9d6485-6e86-4f9c-8d4b-dbc787698ff9</a>	
KB4011205 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8923e620-06d0-444a-b476-2a40811613fdv">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8923e620-06d0-444a-b476-2a40811613fdv</a>	
KB4018308 Microsoft Office Viewers Microsoft Office Compatibility Pack	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c9f90e7b-5e69-49cc-b487-6c84f1f0be40">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c9f90e7b-5e69-49cc-b487-6c84f1f0be40</a>	



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<b>KB4022150</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeae3a89-55f7-4a72-96b3-22ed0a676dc9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=eeae3a89-55f7-4a72-96b3-22ed0a676dc9</a>	
<b>KB4011656</b> Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=749b494d-2879-4eb5-b00d-45661c0d92fc">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=749b494d-2879-4eb5-b00d-45661c0d92fc</a>	
<b>KB4032212</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=01822181-a2ad-428c-9133-83b3bd1b589f">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=01822181-a2ad-428c-9133-83b3bd1b589f</a>	
<b>KB4011607</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6b9e3f30-4125-44cd-b84d-21ece30adcd0">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6b9e3f30-4125-44cd-b84d-21ece30adcd0</a>	
<b>KB4018354</b> Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99</a>	
<b>KB3213646</b> Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8b04bc91-88c8-4229-86f0-b454e69a93f0">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8b04bc91-88c8-4229-86f0-b454e69a93f0</a>	
<b>KB3213641</b> Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d0955758-bb02-4421-bd68-9c1819c98c29">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d0955758-bb02-4421-bd68-9c1819c98c29</a>	
<b>KB4011720</b> Microsoft Office Compatibility	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=490ec326-af4b-4b8f-921f-4a81a9c4645c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=490ec326-af4b-4b8f-921f-4a81a9c4645c</a>	



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Pack Service Pack 3		
KB4018354 Microsoft Office Compatibility Pack Service Pack 3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6f83ae0a-b693-4ae2-a6fd-ab40d06efe99</a>	
KB2596904 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=158250e3-4ef3-47ef-acf3-908145be487a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=158250e3-4ef3-47ef-acf3-908145be487a</a>	
KB2984943 MS16-054 Microsoft Office 2007 SP3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=edcc1acb-520b-4b79-9cee-d4cb8be0a543">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=edcc1acb-520b-4b79-9cee-d4cb8be0a543</a>	
KB2837610 MS15-081 Microsoft Office 2007 SP3	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fb8e843-7b66-4d04-9380-366e12d36a73">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fb8e843-7b66-4d04-9380-366e12d36a73</a>	
KB2596744 MS12-046 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=862c13b8-72ca-477d-9d14-82c00831e5cd">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=862c13b8-72ca-477d-9d14-82c00831e5cd</a>	
KB2596792 MS12-034 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f4695a25-0d22-4e3b-9ba9-9bbc62198c28">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f4695a25-0d22-4e3b-9ba9-9bbc62198c28</a>	
KB2850022 MS13-106 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c1790872-1db0-452a-a5b5-29ac0e6528c1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=c1790872-1db0-452a-a5b5-29ac0e6528c1</a>	



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KB2920795 MS15-013 Microsoft Office 2007 suites	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89aa6f47-e537-4abd-a2f6-903a4ac5cba9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89aa6f47-e537-4abd-a2f6-903a4ac5cba9</a>	
KB2596825 MS13-074	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9676c624-58cb-4a30-b7b3-1d013cf3dbbc">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=9676c624-58cb-4a30-b7b3-1d013cf3dbbc</a>	
KB3085549 MS15-131	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e33ff4cb-81c9-4d28-a0cd-707d7d6fc227">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=e33ff4cb-81c9-4d28-a0cd-707d7d6fc227</a>	
KB3000483 MS15-011	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=dbd91e47-4238-4bbe-8c8b-87c2d02c57d2">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=dbd91e47-4238-4bbe-8c8b-87c2d02c57d2</a>	Install KB3004375 and KB3000483
KB3159398 MS16-072	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2329e2b7-4e31-42e3-86aa-2ebfaa2c6339">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2329e2b7-4e31-42e3-86aa-2ebfaa2c6339</a>	
	<b>Reboot Required</b>	
KB3155178 MS16-056	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=66bf9ecd-a620-45be-a807-f8005ee1326d">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=66bf9ecd-a620-45be-a807-f8005ee1326d</a>	
KB3156016 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f21d3be8-dd35-4ac7-97b8-b4d06d4ed7f2">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f21d3be8-dd35-4ac7-97b8-b4d06d4ed7f2</a>	
KB2858302 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f0f98c12-0e77-4ec7-a52d-b6f6fe0076e1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f0f98c12-0e77-4ec7-a52d-b6f6fe0076e1</a>	
KB2604121 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afdd5d5e-2cc2-4a6a-a44f-e45a275702f5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=afdd5d5e-2cc2-4a6a-a44f-e45a275702f5</a>	
	<b>Reboot Required</b>	
KB2972215 Microsoft .NET Framework	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=73ed412e-0927-4416-bf83-5fa89f2b31a1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=73ed412e-0927-4416-bf83-5fa89f2b31a1</a>	



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KB2742595 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=97e091c7-35eb-4da0-9346-e6f33115c8ed">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=97e091c7-35eb-4da0-9346-e6f33115c8ed</a>	
KB3097994 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89218326-341f-4723-9e1f-01890fcef45e">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=89218326-341f-4723-9e1f-01890fcef45e</a>	
KB3037578 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5a9996be-4894-4c2f-aaab-0a467ab12115">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5a9996be-4894-4c2f-aaab-0a467ab12115</a>	
KB3023221 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87b6ea40-f80c-4611-8175-1d20d5f5c7f1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=87b6ea40-f80c-4611-8175-1d20d5f5c7f1</a>	
KB2978125 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ebcb8b15-112e-4ee0-9dd9-0efd1bc965cc">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ebcb8b15-112e-4ee0-9dd9-0efd1bc965cc</a>	
KB2737019 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc5608e4-a70d-4344-b358-2847f4a57434">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc5608e4-a70d-4344-b358-2847f4a57434</a>	
KB3188730 .NET Framework 3.5.1	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=31324b0e-2319-431a-bd57-9727c18fd35a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=31324b0e-2319-431a-bd57-9727c18fd35a</a>	
KB2972106 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4825cb6b-8412-45a2-8595-ced595e9abc1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4825cb6b-8412-45a2-8595-ced595e9abc1</a>	
KB3074547 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d6c8c747-dec3-4695-b5f1-d9edecd625fd">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d6c8c747-dec3-4695-b5f1-d9edecd625fd</a>	
KB2835393 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7f14a9ff-eae7-4c4d-8f90-2e140f89246e">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7f14a9ff-eae7-4c4d-8f90-2e140f89246e</a>	
KB2840628	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0dfade8f-54fe-412a-aea6-66cb712a2bf9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=0dfade8f-54fe-412a-aea6-66cb712a2bf9</a>	



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Microsoft .NET Framework 4		
KB3032662 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2d89e422-cf53-4d3e-bc81-03e053208c16">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2d89e422-cf53-4d3e-bc81-03e053208c16</a>	
KB2736428 MS13-007 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de4cbbf4-443f-4bb7-aebf-8da2fcc7b706">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de4cbbf4-443f-4bb7-aebf-8da2fcc7b706</a>	
KB2487367 MS11-066 Microsoft .NET Framework 4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=79f342ab-66e7-42a7-8315-2677f99f20c5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=79f342ab-66e7-42a7-8315-2677f99f20c5</a>	
KB2834140	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3604fc71-9010-4acd-a2f5-b521d5c1dac1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3604fc71-9010-4acd-a2f5-b521d5c1dac1</a>	
KB3124275 IE8	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cb5c9d60-f931-413a-97a3-0a32434fbd55">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cb5c9d60-f931-413a-97a3-0a32434fbd55</a>	
	<b><u>Reboot Required</u></b>	
MS13-002 KB2758694	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=36292">https://www.microsoft.com/en-us/download/details.aspx?id=36292</a>	
Adobe Reader 11.0 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftpID=5507&amp;fileID=5519">https://supportdownloads.adobe.com/thankyou.jsp?ftpID=5507&amp;fileID=5519</a>	
Adobe Reader 11.0.23 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftpID=6279&amp;fileID=6314">https://supportdownloads.adobe.com/thankyou.jsp?ftpID=6279&amp;fileID=6314</a>	
	<b><u>Reboot Required</u></b>	
KB2979596 SQL Server 2008 SP4	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44278">https://www.microsoft.com/en-us/download/details.aspx?id=44278</a>	<b>Run from cmd prompt with SQLServer2008SP4-KB2979596- x86-ENU.exe /ACTION=Patch</b>



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		/INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
	<b>Reboot Required</b>	
KB3045311 SQL Server 2008 SP4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11</a>	<b>Only run x86 file; Run from a cmd prompt as Administrator using the following command: AMD64_X86-all-sqlserver2008-kb3045311-x86_30561aef89c6d174fee7b77bed6b3b8539542558.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE</b>
	<b>Reboot Required</b>	
KB2900986 ActiveX Killbits	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=82b62134-bafb-4fd3-815e-73534b9d1aa5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=82b62134-bafb-4fd3-815e-73534b9d1aa5</a>	
KB3156019 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b5b7f2e4-bf3f-4974-ab23-f3a2ab886d31">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b5b7f2e4-bf3f-4974-ab23-f3a2ab886d31</a>	
	<b>Reboot Required</b>	
KB3161949 MS16-077	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=25c0fd19-d4e4-4af5-aad9-f308dde496d5">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=25c0fd19-d4e4-4af5-aad9-f308dde496d5</a>	
	<b>Reboot Required</b>	
KB4025337 July 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=794feee1-ea78-4c11-a683-a91335abb0e3">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=794feee1-ea78-4c11-a683-a91335abb0e3</a>	
	<b>Reboot Required</b>	





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KB4034679 August 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=04eaa57c-5a16-484a-aeffa-b9df268e1c07">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=04eaa57c-5a16-484a-aeffa-b9df268e1c07</a>	
	<b><u>Reboot Required</u></b>	
KB4048957 November 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=224b07ab-de98-45f0-8b9c-83551cac66f6">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=224b07ab-de98-45f0-8b9c-83551cac66f6</a>	
	<b><u>Reboot Required</u></b>	
KB4054518 December 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b48d1cb-83f7-43e1-9308-18872ffe4dce">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b48d1cb-83f7-43e1-9308-18872ffe4dce</a>	
	<b><u>Reboot Required</u></b>	
KB4056894 January 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=63bb3909-e5fe-45a2-8d59-44f9df52317f">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=63bb3909-e5fe-45a2-8d59-44f9df52317f</a>	
	<b><u>Reboot Required</u></b>	
KB4074598 February 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=651e95ab-6e7c-4ea6-9cd2-3cbabd9b76f0">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=651e95ab-6e7c-4ea6-9cd2-3cbabd9b76f0</a>	
	<b><u>Reboot Required</u></b>	
KB4088875 March 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3ed75c38-aa36-437e-bf4f-574789591e03">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3ed75c38-aa36-437e-bf4f-574789591e03</a>	
	<b><u>Reboot Required</u></b>	



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<b>KB4093118</b> April 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=647f49ef-0f0a-49dc-9766-dd255cded1af">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=647f49ef-0f0a-49dc-9766-dd255cded1af</a>	
<b><u>Reboot Required</u></b>		
<b>KB4103718</b> May 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f4d0c73-a177-48cf-a3e7-97d1a94cba87">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f4d0c73-a177-48cf-a3e7-97d1a94cba87</a>	
<b><u>Reboot Required</u></b>		
<b>KB4284826</b> June 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=326a9830-3983-402d-b48b-7a35f99c516a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=326a9830-3983-402d-b48b-7a35f99c516a</a>	
<b><u>Reboot Required</u></b>		
<b>KB4338818</b> July 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ea409dca-1368-48cf-94c1-d510b1690d74">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ea409dca-1368-48cf-94c1-d510b1690d74</a>	
<b><u>Reboot Required</u></b>		
<b>KB4343900</b> August 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d785f6dd-d90b-4cb9-838a-8faf5971165f">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d785f6dd-d90b-4cb9-838a-8faf5971165f</a>	NOTE: Make the following Registry Change - Create these registry keys if it doesn't exist: <b>[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Session Manager\Memory Management\</b> Value Name= <b>[FeatureSettingsOverride]</b> Type=[DWORD] Data=[0]



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		Value Name= [FeatureSettingsOverrideMask] Type=[DWORD] Data=[3]
KB2269637	Create the following Registry Key Key=[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\ Value Name=[CWDIllegalInDllSearch] Type=[REG_DWORD] Data=[1]	
KB2719662	Create the following Registry Key Key=[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Windows\SideBar\ Value Name=[TurnOffSidebar] Type=[REG_DWORD] Data=[1]	
KB3125869	NOTE: Make the following Registry Change - Create these registry keys if it doesn't exist: [HKLM\SOFTWARE\Microsoft\Internet Explorer\MAIN\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING\ Value Name= [iexplore.exe] Type=[DWORD] Data=[1]	
<b><u>Reboot Required</u></b>		

### Windows 2008R2 (INW Server)

KB	Link	Notes
HPSBMU03593 Rev 2	<a href="https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_b36fb879335a41d78ee5e99f7f">https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_b36fb879335a41d78ee5e99f7f</a>	<b>Installation:</b>  5) Download the Smart Component ( <b>cp034022.exe</b> ) file to a local directory on



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		<p>the server where you want to install the software.</p> <ol style="list-style-type: none"> <li>6) Change to the directory where you downloaded</li> <li>7) Run the <b>cp034022.exe</b> file by double-clicking it. A dialog box will display.</li> <li>8) Click the 'Install' button to install the SMH</li> </ol>
<b>Reboot Required</b>		
<p>HPESBHF03805 Rev 23</p>	<p><b>DL370 G6 (cp035397.exe)</b>  <a href="https://www.hpe.com/global/swpublishing/MTX-df78827f61164b6f952314da7c">https://www.hpe.com/global/swpublishing/MTX-df78827f61164b6f952314da7c</a></p>	<p><b>NOTE: Intel/HP has not provided Firmware update for ML370 G5 and ML370 G4 Servers. This only applies to DL370 G6 Servers</b></p> <p>Installation:          To update firmware from Windows operating system on target server:</p> <ol style="list-style-type: none"> <li>1. Download <b>cp035397.exe</b> file to a local directory on the server where you want to install the software</li> <li>2. Run <b>cp035397.exe</b> file from the same directory by double-clicking it.</li> <li>3. When the Component dialog window displays, click the "<b>Install</b>" button to initiate the firmware upgrade.</li> </ol>
<b>Reboot Required</b>		
<p><b>KB2834140</b></p>	<p><a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b73fcca-dde8-4542-a5fa-0b23ce19aaee">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b73fcca-dde8-4542-a5fa-0b23ce19aaee</a></p>	
<p><b>KB3124275 IE8</b></p>	<p><a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8bf1b674-47b0-435a-b263-00f434227cda">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8bf1b674-47b0-435a-b263-00f434227cda</a></p>	



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MS12-056 KB2706045	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=30554">https://www.microsoft.com/en-us/download/details.aspx?id=30554</a>	
MS13-002 KB2758694	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=36273">https://www.microsoft.com/en-us/download/details.aspx?id=36273</a>	
Adobe Reader 11.0 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftpID=5507&amp;fileID=5519">https://supportdownloads.adobe.com/thankyou.jsp?ftpID=5507&amp;fileID=5519</a>	
Adobe Reader 11.0.23 MUI	<a href="https://supportdownloads.adobe.com/thankyou.jsp?ftpID=6279&amp;fileID=6314">https://supportdownloads.adobe.com/thankyou.jsp?ftpID=6279&amp;fileID=6314</a>	
<b>Reboot Required</b>		
KB3188730 .NET Framework 3.5.1	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=db79590e-38a6-4180-b6d2-900eeb061ac4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=db79590e-38a6-4180-b6d2-900eeb061ac4</a>	
<b>Reboot Required</b>		
KB2979596 SQL Server 2008 SP4	<a href="https://www.microsoft.com/en-us/download/details.aspx?id=44278">https://www.microsoft.com/en-us/download/details.aspx?id=44278</a>	Run from cmd prompt with SQLServer2008SP4-KB2979596- x86-ENU.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
<b>Reboot Required</b>		
KB3045311 SQL Server 2008 SP4	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11</a>	Only run x86 file; Run from a cmd prompt as Administrator using the following command: AMD64_X86- all-sqlserver2008-kb3045311- x86_30561aef89c6d174fee7b77bed 6b3b8539542558.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
<b>Reboot Required</b>		
KB3104002 MS15-124	NOTE: Make the following Registry Change - Create these registry keys if it doesn't exist:	



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IE8	<p>[HKLM\SOFTWARE\Microsoft\Internet Explorer\MAIN\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING]  Value Name= [iexplore.exe]  Type=[DWORD]  Data=[1]</p> <p>[HKLM\SOFTWARE\Wow6432Node\Microsoft\Internet Explorer\MAIN\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING  Value Name= [iexplore.exe]  Type=[DWORD]  Data=[1]</p>	
KB2900986 ActiveX Killbits	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fd1a18b-3dba-4dbc-820e-750a4e32f24c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fd1a18b-3dba-4dbc-820e-750a4e32f24c</a>	
KB3156019 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=05cb4345-49ea-4eca-8ba3-f870466c46c7">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=05cb4345-49ea-4eca-8ba3-f870466c46c7</a>	
KB3159398 MS16-072	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56a7a134-5ad6-43c2-aab1-e10d2fef8f7c">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=56a7a134-5ad6-43c2-aab1-e10d2fef8f7c</a>	
<b>Reboot Required</b>		
KB3156016 MS16-055	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de32fc3d-60a4-4fc9-9588-0c404765940a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=de32fc3d-60a4-4fc9-9588-0c404765940a</a>	
<b>Reboot Required</b>		
KB3161949 MS16-077	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5bc0e07b-33ca-4ea2-8253-4f0dcd26783a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5bc0e07b-33ca-4ea2-8253-4f0dcd26783a</a>	
<b>Reboot Required</b>		
KB4025337 July 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=85fadee5-ed6f-4a22-964a-9b2991c4cff1">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=85fadee5-ed6f-4a22-964a-9b2991c4cff1</a>	
<b>Reboot Required</b>		
KB4034679 August 2017 Security Only	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=07571deb-76fc-463b-9282-db65963e6fe4">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=07571deb-76fc-463b-9282-db65963e6fe4</a>	



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	<b>Reboot Required</b>	
KB4048957 November 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=435d3006-04ae-4c27-a5f9-3c36f09e58ed">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=435d3006-04ae-4c27-a5f9-3c36f09e58ed</a>	
	<b>Reboot Required</b>	
KB4054518 December 2017 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=09064e30-6f3e-4c99-8d09-fbc2ba06b436">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=09064e30-6f3e-4c99-8d09-fbc2ba06b436</a>	
	<b>Reboot Required</b>	
KB4056894 January 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc887fd2-cd35-434b-b6e3-1fef99b2e7ce">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=fc887fd2-cd35-434b-b6e3-1fef99b2e7ce</a>	
	<b>Reboot Required</b>	
KB4074598 February 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f3ab18cb-219e-4287-b14c-3a05c8d9479a">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f3ab18cb-219e-4287-b14c-3a05c8d9479a</a>	
	<b>Reboot Required</b>	
KB4088875 March 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=03df6731-e0a6-4917-9da3-161a0b7f6b09">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=03df6731-e0a6-4917-9da3-161a0b7f6b09</a>	
	<b>Reboot Required</b>	
KB4093118 April 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d2c7363c-323f-4e92-892a-90b83027e4aa">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d2c7363c-323f-4e92-892a-90b83027e4aa</a>	
	<b>Reboot Required</b>	
KB4103718 May 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4fe75106-a2ba-4186-aecd-10424a19225e">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4fe75106-a2ba-4186-aecd-10424a19225e</a>	
	<b>Reboot Required</b>	
KB4284826 June 2018	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=999fa80e-c59d-4ff6-8268-c6a8c365f428">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=999fa80e-c59d-4ff6-8268-c6a8c365f428</a>	



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Monthly Rollup		
	<b>Reboot Required</b>	
KB4338818 July 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1c930eab-7b7e-4616-b5b5-d6e4a723bc71">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1c930eab-7b7e-4616-b5b5-d6e4a723bc71</a>	
	<b>Reboot Required</b>	
KB4343900 August 2018 Monthly Rollup	<a href="http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=71600c77-2a56-4ba2-991b-ad477cfc9eb9">http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=71600c77-2a56-4ba2-991b-ad477cfc9eb9</a>	NOTE: Make the following Registry Changes – Create these registry keys if it doesn't exist: Key=[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Session Manager\Memory Management\ Value Name= [FeatureSettingsOverride] Type= [DWORD] Data= [0] Value Name =[FeatureSettingsOverrideMask] Type= [DWORD] Data= [3]
KB2269637	Create the following Registry Keys Key=[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\ Value Name=[CWDIllegalInDllSearch] Type=[REG_DWORD] Data=[1]	
	<b>Reboot Required</b>	

## MLCL v6.9 Firmware





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<b>HPSBPI02938 Pre-9/23/2013 Firmware</b> •HP CP2025N printer	<a href="http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=wsrp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken">http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=wsrp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken</a>
<b>HPSBPI02938 Pre-9/23/2013 Firmware</b> •HP LaserJet Pro 400 Printer M401	<a href="http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=wsrp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken">http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=wsrp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken</a>
<b>HPSBPI02938 Pre-9/23/2013 Firmware</b> •HP LaserJet Pro 400 color Printer M451	<a href="http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=wsrp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken">http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/kb/docDisplay/?spf_p.tpst=kbDocDisplay&amp;spf_p.prp_kbDocDisplay=wsrp-navigationalState%3DdocId%253Demr_na-c04041432-2%257CdocLocale%253D%257CcalledBy%253D&amp;javax.portlet.begCacheTok=com.vignette.cachetoken&amp;javax.portlet.endCacheTok=com.vignette.cachetoken</a>
<b>HPSBPI02938 Pre-9/23/2013 Firmware</b> •HP LaserJet P2035N	N/A
<b>HPSBPI02938 Pre-9/23/2013 Firmware</b> •HP LaserJet 2300	N/A
RICOH SP4100N	N/A
RICOH AP410N	N/A
RICOH CL3500N	N/A
RICOH CL3000	N/A



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## Contact Information

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

### Notes:

#### **Microsoft Windows Server 2008 R2 SP1 Security Patch Support**

For MLCL v6.9, since Windows Server 2008 R2 security patch support ended April 2013, Microsoft Windows Server 2008 R2 Service Pack 1 - KB976932, 2007 Microsoft Office Suite SP3 - KB2526086, Microsoft Office 2007 Language Pack SP3 - KB2526086 is a prerequisite for installation of security patches past MS12-054 KB2712808.