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Invasive Cardiology Security Website

Interventional - Invasive Cardiology

Product Group: Interventional Invasive Products

Products: Mac-Lab IT/XT/XTi, CardioLab IT/XT/XTi,
SpecialsLab and ComboLab IT/XT/XTi
Recording Systems, Centricity Cardiology
Data Management Systems

Versions: 6.9, 6.9.5

Subject: Security Information

Date: 11 December 2018

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 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	Initial Release, includes June Roll-up
2.0	23 October 2017	Includes October Roll-up
3.0	11 December 2017	November Unqualified Patches
4.0	7 February 2018	January 2018 Unqualified Patches
5.0	16 April 2018	March Unqualified Patches
6.0	30 April 2018	April Unqualified Patches
7.0	31 May 2018	May Unqualified Patches
8.0	29 June 2018	June Unqualified Patches
9.0	24 August 2018	- Qualified November 2017, December 2017, January 2018, February 2018, March 2018, April 2018, May 2018, June 2018, July 2018, August 2018 patches - Qualified Adobe 11 - Qualified IE8 patches - Qualified Microsoft .NET patches - Qualified HP Firmware and Driver update - SQL Server 2008 SP4
10.0	6 December 2018	- September Unqualified Patches - October Unqualified Patches

Installation of the Security Patches on MLCL systems

Requirements:



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- 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.



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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**
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**.



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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**.
4. In Windows Explorer, navigate 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.



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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 **mlcltechuser**.
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.

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.



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Patch Links

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

NOTE: Due to site configurations, system patch set, qualified patches which have been installed previously or patch dependencies, some patches could fail to install due to the functionality is already installed. The Microsoft patch installer will alert you to this issue. 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)	N/A	N/A	KB4457145 (CVE-2018-5391)
Security Patch				



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
MS14-031 KB2957189	http://www.microsoft.com/en-us/download/details.aspx?id=43143	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=43147
MS15-127 KB3100465 (Domain Controller only)	https://www.microsoft.com/en-us/download/details.aspx?id=50127	N/A	N/A	N/A
HP System Management Homepage HPSBMU03380 Version: 7.5.4.3(1 Apr 2016)	https://h20566.www2.hp.com/hpsc/swd/public/detail?idx=&action=driverDocument&itemLocale=&swItemId=MTX_544617581c264c8eafe6b273a&mode Please see section - How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03380 NOTE: HPSBMU03051 must be installed before HPSBMU03380.	N/A	N/A	N/A
MS15-034 KB3042553	https://www.microsoft.com/en-us/download/details.aspx?id=46480	N/A	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=46501
MS14-068 KB3011780	https://www.microsoft.com/en-us/download/details.aspx?id=44966	N/A	N/A	N/A
MS14-066 KB2992611	https://www.microsoft.com/en-us/download/details.aspx?id=44618	MS14-066 KB2992611* - see note below table	MS14-066 KB2992611* - see note below table	https://www.microsoft.com/en-us/download/details.aspx?id=44633
HP System Management Homepage HPSBMU03051 Version: 7.3.3.1(19 Jun 2014)	http://h20564.www2.hp.com/hpsc/swd/public/detail?swItemId=MTX_e8076c2a35804685ad65b2b1ba Please see section - How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03051	N/A	N/A	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
MS14-016 KB2923392 (Domain Controller Only)	http://www.microsoft.com/en-us/download/details.aspx?id=42099	N/A	N/A	N/A
MS13-081 KB2884256	http://www.microsoft.com/en-in/download/details.aspx?id=40379	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	http://www.microsoft.com/en-in/download/details.aspx?id=40407
MS13-081 KB2868038	http://www.microsoft.com/en-in/download/details.aspx?id=40526	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	http://www.microsoft.com/en-in/download/details.aspx?id=40395
MS13-081 KB2864202	http://www.microsoft.com/en-in/download/details.aspx?id=40404	N/A	N/A	http://www.microsoft.com/en-in/download/details.aspx?id=40601
MS13-081 KB2862335	http://www.microsoft.com/en-in/download/details.aspx?id=40590	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	http://www.microsoft.com/en-in/download/details.aspx?id=40409
MS13-081 KB2862330	http://www.microsoft.com/en-in/download/details.aspx?id=40372	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	http://www.microsoft.com/en-in/download/details.aspx?id=40507
MS13-079 KB2853587 (Domain Controller Only)	http://www.microsoft.com/en-in/download/details.aspx?id=40025	N/A	N/A	N/A
MS13-065 KB2868623	http://www.microsoft.com/en-in/download/details.aspx?id=39885	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=39809
MS13-062 KB2849470	http://www.microsoft.com/en-in/download/details.aspx?id=39899	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=	http://www.microsoft.com/en-us/download/details.aspx?id=39890



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
		<u>0fd35735-82e1-4006-87b7-1a3e596d0f8d</u>	<u>0fd35735-82e1-4006-87b7-1a3e596d0f8d</u>	
MS13-049 KB2845690	http://www.microsoft.com/en-in/download/details.aspx?id=39221	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=39217
MS13-018 KB2790655	http://www.microsoft.com/en-in/download/details.aspx?id=36651	N/A	N/A	http://www.microsoft.com/en-in/download/details.aspx?id=36694
MS13-001 KB2769369	http://www.microsoft.com/en-in/download/details.aspx?id=36336	N/A	N/A	http://www.microsoft.com/en-in/download/details.aspx?id=36274

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



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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).

	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
Security Patch				
MS17-010 KB4012598	N/A	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	N/A
MS17-013 KB4012583	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=55460	https://www.microsoft.com/en-us/download/details.aspx?id=55460	N/A
CVE-2017-0176 KB4022747	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=55465	https://www.microsoft.com/en-us/download/details.aspx?id=55465	N/A
CVE-2017-0222 IE8 KB4018271	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=55474	https://www.microsoft.com/en-us/download/details.aspx?id=55474	N/A



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



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
KB3125574 Convenience Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6147e6c1-663b-41bc-9582-9579343857d9	N/A	N/A	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7ed4c8c3-0f06-4227-99e3-e9f143394687
Reboot following convenience rollup	<u>Reboot Required</u>	N/A	N/A	<u>Reboot Required</u>
KB4022719 June 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4aa2ed70-7c26-4727-bd11-6a98b6dd622c	N/A	N/A	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b9815359-6aad-467e-8666-2351fadc3c45
Reboot	<u>Reboot Required</u>	<u>Reboot Required</u>	<u>Reboot Required</u>	<u>Reboot Required</u>
KB4041681 October 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cd0388fd-5aca-4a13-8417-c28e1d8b7dda 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	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8a346e85-6ae3-46aa-a9e1-2e70e760f61c



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**.



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8. Click **OK** to close.

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



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



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



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



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



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



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



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SQL Server 2008 SP4		x86-ENU.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
	<u>Reboot Required</u>	
KB3045311 SQL Server 2008 SP4	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11	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: AMD64_X86-all-sqlserver2008-kb3045311-x86_30561aef89c6d174fee7b77bed6b3b8539542558.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
KB2900986 ActiveX Killbits	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=82b62134-bafb-4fd3-815e-73534b9d1aa5	
KB3156019 MS16-055	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b5b7f2e4-bf3f-4974-ab23-f3a2ab886d31	
	<u>Reboot Required</u>	
KB3161949 MS16-077	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=25c0fd19-d4e4-4af5-aad9-f308dde496d5	



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	<u>Reboot Required</u>	
KB4025337 July 2017 Security Only	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=794fee1-ea78-4c11-a683-a91335abb0e3	
	<u>Reboot Required</u>	
KB4034679 August 2017 Security Only	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=04eaa57c-5a16-484a-ae6a-b9df268e1c07	
	<u>Reboot Required</u>	
KB4048957 November 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=224b07ab-de98-45f0-8b9c-83551cac66f6	
	<u>Reboot Required</u>	
KB4054518 December 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b48d1cb-83f7-43e1-9308-18872ffe4dce	
	<u>Reboot Required</u>	
KB4056894 January 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=63bb3909-e5fe-45a2-8d59-44f9df52317f	
	<u>Reboot Required</u>	
KB4074598 February 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=651e95ab-6e7c-4ea6-9cd2-3cbabd9b76f0	



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	<u>Reboot Required</u>	
KB4088875 March 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3ed75c38-aa36-437e-bf4f-574789591e03	
	<u>Reboot Required</u>	
KB4093118 April 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=647f49ef-0f0a-49dc-9766-dd255cded1af	
	<u>Reboot Required</u>	
KB4103718 May 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3f4d0c73-a177-48cf-a3e7-97d1a94cba87	
	<u>Reboot Required</u>	
KB4284826 June 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=326a9830-3983-402d-b48b-7a35f99c516a	
	<u>Reboot Required</u>	
KB4338818 July 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=ea409dca-1368-48cf-94c1-d510b1690d74	
	<u>Reboot Required</u>	
KB4343900 August 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d785f6dd-d90b-4cb9-838a-8faf5971165f	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]	
	<u>Reboot Required</u>	



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Windows 2008R2 (INW Server)

KB	Link	Notes
HPSBMU03593 Rev 2	https://support.hpe.com/hpsc/swd/public/detail?swItemId=MTX_b36fb879335a41d78ee5e99f7f	Installation: 1) Download the Smart Component (cp034022.exe) file to a local directory on the server where you want to install the software. 2) Change to the directory where you downloaded 3) Run the cp034022.exe file by double-clicking it. A dialog box will display. 4) Click the 'Install' button to install the SMH
Reboot Required		
HPESBHF03805 Rev 23	ML350p G8 (cp034981.exe) https://www.hpe.com/global/swpublishing/MTX-13ba0628afe449eab067a56323 DL370 G6 (cp035397.exe) https://www.hpe.com/global/swpublishing/MTX-df78827f61164b6f952314da7c	This only applies to ML350p G8 and DL370 G6 NOTE: Intel/HP has not provided Firmware update for ML370 G5, G4 Servers Installation: To update firmware from Windows operating system on target server: 1. Download cp034981.exe/ cp035397.exe file to a local directory on the server where you want to install the software



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		2. Run cp034981.exe/ cp035397.exe file from the same directory by double-clicking it. 3. When the Component dialog window displays, click the “Install” button to initiate the firmware upgrade.
	Reboot Required	
KB2834140 Microsoft .NET Framework 4	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b73fcca-dde8-4542-a5fa-0b23ce19aaee	
KB3124275 IE8	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8bf1b674-47b0-435a-b263-00f434227cda	
MS12-056 KB2706045	https://www.microsoft.com/en-us/download/details.aspx?id=30554	
MS13-002 KB2758694	https://www.microsoft.com/en-us/download/details.aspx?id=36273	
Adobe Reader 11.0 MUI	https://supportdownloads.adobe.com/thankyou.jsp?ftpID=5507&fileID=5519	
Adobe Reader 11.0.23 MUI	https://supportdownloads.adobe.com/thankyou.jsp?ftpID=6279&fileID=6314	
	Reboot Required	
KB3188730 .NET Framework 3.5.1	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=db79590e-38a6-4180-b6d2-900eeb061ac4	
KB2979596 SQL Server 2008 SP4	https://www.microsoft.com/en-us/download/details.aspx?id=44278	Run from cmd prompt with SQLServer2008SP4-KB2979596- x64-ENU.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
	Reboot Required	



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KB3045311 SQL Server 2008 SP4	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51bf-3f70-4c85-986b-5653b0fb7f11	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: AMD64_X86-all-sqlserver2008-kb3045311-x86_30561aef89c6d174fee7b77bed6b3b8539542558.exe /ACTION=Patch /INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
	Reboot Required	
KB3104002 MS15-124 IE8	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] [HKLM\SOFTWARE\Wow6432Node\Microsoft\Internet Explorer\MAIN\FeatureControl\FEATURE_ALLOW_USER32_EXCEPTION_HANDLER_HARDENING] Value Name= [iexplore.exe] Type=[DWORD] Data=[1]	
KB2900986 ActiveX Killbits	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6fd1a18b-3dba-4dbc-820e-750a4e32f24c	



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



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	Reboot Required	
KB4074598 February 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=f3ab18cb-219e-4287-b14c-3a05c8d9479a	
	Reboot Required	
KB4088875 March 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=03df6731-e0a6-4917-9da3-161a0b7f6b09	
	Reboot Required	
KB4093118 April 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=d2c7363c-323f-4e92-892a-90b83027e4aa	
	Reboot Required	
KB4103718 May 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=4fe75106-a2ba-4186-aecd-10424a19225e	
	Reboot Required	
KB4284826 June 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=999fa80e-c59d-4ff6-8268-c6a8c365f428	
	Reboot Required	
KB4338818 July 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1c930eab-7b7e-4616-b5b5-d6e4a723bc71	
	Reboot Required	
KB4343900 August 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=71600c77-2a56-4ba2-991b-ad477cfc9eb9	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]	
	Reboot Required	

MLCL v6.9.5 Firmware

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



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	2%257CdocLocale%253D%257CcalledBy%253D&javax.portlet.begCacheTok=com.vignette.cachetoken&javax.portlet.endCacheTok=com.vignette.cachetoken
HPSBPI02938 Pre-9/23/2013 Firmware •HP LaserJet P2035N	N/A
HPSBPI02938 Pre-9/23/2013 Firmware •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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MLCL v6.9

	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)	N/A	N/A	KB4457145 (CVE-2018-5391)
Security Patch				
MS15-127 KB3100465 (Domain Controller only)	https://www.microsoft.com/en-us/download/details.aspx?id=50127	N/A	N/A	N/A
HP System Management Homepage HPSBMU03380 Version: 7.5.4.3(1 Apr 2016)	https://h20566.www2.hpe.com/hpsc/swd/public/detail?idx=&action=driverDocument&itemLocale=&swItemId=MTX_544617581c264c8eaafe6b273a&mode Please see section - How to Install HP System Management Homepage Patch on the INW Server – HPSBMU03380 NOTE HPSBMU03051 must be installed before HPSBMU03380.	N/A	N/A	N/A
Windows Server 2008 R2 SP1 KB976932	Pre-Installation Requirement - Turn On Windows Update Service Configuration instruction section. http://www.microsoft.com/en-us/download/details.aspx?id=5842 Post-Installation Requirement - Turn	N/A	N/A	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
	Off Windows Update Service Configuration instruction section.			
2007 Microsoft Office Suite SP3 KB2526086	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=27838	http://www.microsoft.com/en-us/download/details.aspx?id=27838	N/A
Service Pack 3 for Office Language Pack 2007 KB2526086	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=27829	http://www.microsoft.com/en-us/download/details.aspx?id=27829	N/A
MS15-034 KB3042553	https://www.microsoft.com/en-us/download/details.aspx?id=46480	N/A	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=46501
MS14-068 KB3011780	https://www.microsoft.com/en-us/download/details.aspx?id=44966	N/A	N/A	N/A
MS14-066 KB2992611	https://www.microsoft.com/en-us/download/details.aspx?id=44618	MS14-066 KB2992611* - see note below table	MS14-066 KB2992611* - see note below table	https://www.microsoft.com/en-us/download/details.aspx?id=44633
MS14-031 KB2957189	https://www.microsoft.com/en-us/download/details.aspx?id=43143	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=43147
HP System Management Homepage HPSBMU03051 Version: 7.3.3.1(19 Jun 2014)	http://h20564.www2.hp.com/hpsc/swd/public/detail?swItemId=MTX_e8076c2a35804685ad65b2b1ba 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)	http://www.microsoft.com/en-us/download/details.aspx?id=42099	N/A	N/A	N/A



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
MS13-081 KB2884256	http://www.microsoft.com/en-us/download/details.aspx?id=40379	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	http://www.microsoft.com/en-us/download/details.aspx?id=40407
MS13-081 KB2868038	http://www.microsoft.com/en-us/download/details.aspx?id=40526	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	http://www.microsoft.com/en-us/download/details.aspx?id=40395
MS13-081 KB2864202	http://www.microsoft.com/en-us/download/details.aspx?id=40404	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=40601
MS13-081 KB2862335	http://www.microsoft.com/en-us/download/details.aspx?id=40590	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	http://www.microsoft.com/en-us/download/details.aspx?id=40409
MS13-081 KB2862330	http://www.microsoft.com/en-us/download/details.aspx?id=40372	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	http://www.microsoft.com/en-us/download/details.aspx?id=40507
MS13-079 KB2853587 (Domain Controller only)	http://www.microsoft.com/en-us/download/details.aspx?id=40025	N/A	N/A	N/A
MS13-065 KB2868623	http://www.microsoft.com/en-us/download/details.aspx?id=39885	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=39809
MS13-062 KB2849470	http://www.microsoft.com/en-us/download/details.aspx?id=39899	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	http://www.microsoft.com/en-us/download/details.aspx?id=39890



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
MS13-049 KB2845690	http://www.microsoft.com/en-us/download/details.aspx?id=39221	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=39217
MS13-018 KB2790655	http://www.microsoft.com/en-us/download/details.aspx?id=36651	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=36694
MS13-001 KB2769369	http://www.microsoft.com/en-us/download/details.aspx?id=36336	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?id=36274
MS12-054 KB2705219	http://www.microsoft.com/en-us/download/details.aspx?id=30492	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	http://www.microsoft.com/en-us/download/details.aspx?id=30547
MS12-054 KB2712808	http://www.microsoft.com/en-us/download/details.aspx?id=30555	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a506f3f3-d548-4093-8870-e2cb364d02f6	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a506f3f3-d548-4093-8870-e2cb364d02f6	http://www.microsoft.com/en-us/download/details.aspx?id=30535
MS12-053 KB2723135	N/A	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	N/A
MS12-036 KB2685939	http://www.microsoft.com/en-us/download/details.aspx?id=30021	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	http://www.microsoft.com/en-us/download/details.aspx?id=30087
MS12-020 KB2621440	http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=29116	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	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=29132
MS12-020 KB2667402	http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=29169	N/A	N/A	http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=29145



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
MS12-017 KB2647170 (Domain Controller Only)	http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=29164	N/A	N/A	N/A
MS12-005 KB2584146	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=28620	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	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=28597
MS12-004 KB2598479	N/A	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	N/A
MS12-004 KB2631813	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=28617	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	http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=28595
MS11-083 KB2588516	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=27894	N/A	N/A	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=27902
MS11-065 KB2570222	N/A	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	N/A
MS11-064 KB2563894	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=27074	N/A	N/A	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=27052
MS11-063 KB2567680	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=27039	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	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=27025



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
MS11-062 KB2566454	N/A	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	N/A
MS11-089 KB2596785	N/A	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=28512	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=28512	http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=28512
MS11-058 KB2562485 (Domain Controller only)	http://www.microsoft.com/en-us/download/details.aspx?id=27027	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.



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)
Operating System Platform	Windows Server 2008 R2 SP1	Windows XP SP3	Windows XP SP3	Windows 7 SP1
Security Patch				
MS17-010 KB4012598	N/A	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	N/A
MS17-013 KB4012583	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=55460	https://www.microsoft.com/en-us/download/details.aspx?id=55460	N/A
CVE-2017-0176 KB4022747	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=55465	https://www.microsoft.com/en-us/download/details.aspx?id=55465	N/A
CVE-2017-0222 IE8 KB4018271	N/A	https://www.microsoft.com/en-us/download/details.aspx?id=55474	https://www.microsoft.com/en-us/download/details.aspx?id=55474	N/A



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



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	INW Server	GE Hardware Acq/Review	Software Only System (XP)	Software Only System (Win7)
KB3125574 Convenience Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=6147e6c1-663b-41bc-9582-9579343857d9	N/A	N/A	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=7ed4c8c3-0f06-4227-99e3-e9f143394687
Reboot following convenience rollup	<u>Reboot Required</u>	N/A	N/A	<u>Reboot Required</u>
KB4022719 June 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=a2ed70-7c26-4727-bd11-6a98b6dd622c	N/A	N/A	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b9815359-6aad-467e-8666-2351fadc3c45
Reboot	<u>Reboot Required</u>	<u>Reboot Required</u>	<u>Reboot Required</u>	<u>Reboot Required</u>
KB4041681 October 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=cd0388fd-5aca-4a13-8417-c28e1d8b7dda 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	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8a346e85-6ae3-46aa-a9e1-2e70e760f61c



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**.



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16. Click **OK** to close.

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



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



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



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



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



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



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



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		/INSTANCENAME=MSSQLSERVER /IGNORESERVICERESTARTSTATE
	<u>Reboot Required</u>	
KB3045311 SQL Server 2008 SP4	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=2fd51fbf-3f70-4c85-986b-5653b0fb7f11	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
	<u>Reboot Required</u>	
KB2900986 ActiveX Killbits	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=82b62134-bafb-4fd3-815e-73534b9d1aa5	
KB3156019 MS16-055	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=b5b7f2e4-bf3f-4974-ab23-f3a2ab886d31	
	<u>Reboot Required</u>	
KB3161949 MS16-077	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=25c0fd19-d4e4-4af5-aad9-f308dde496d5	
	<u>Reboot Required</u>	
KB4025337 July 2017 Security Only	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=794feee1-ea78-4c11-a683-a91335abb0e3	
	<u>Reboot Required</u>	



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KB4034679 August 2017 Security Only	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=04eaa57c-5a16-484a-ae6a-b9df268e1c07	
	<u>Reboot Required</u>	
KB4048957 November 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=224b07ab-de98-45f0-8b9c-83551cac66f6	
	<u>Reboot Required</u>	
KB4054518 December 2017 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b48d1cb-83f7-43e1-9308-18872ffe4dce	
	<u>Reboot Required</u>	
KB4056894 January 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=63bb3909-e5fe-45a2-8d59-44f9df52317f	
	<u>Reboot Required</u>	
KB4074598 February 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=651e95ab-6e7c-4ea6-9cd2-3cbabd9b76f0	
	<u>Reboot Required</u>	
KB4088875 March 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=3ed75c38-aa36-437e-bf4f-574789591e03	
	<u>Reboot Required</u>	



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

Windows 2008R2 (INW Server)

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



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		the server where you want to install the software. 6) Change to the directory where you downloaded 7) Run the cp034022.exe file by double-clicking it. A dialog box will display. 8) Click the 'Install' button to install the SMH
	Reboot Required	
HPESBHF03805 Rev 23	DL370 G6 (cp035397.exe) https://www.hpe.com/global/swpublishing/MTX-df78827f61164b6f952314da7c	NOTE: Intel/HP has not provided Firmware update for ML370 G5 and ML370 G4 Servers. This only applies to DL370 G6 Servers Installation: To update firmware from Windows operating system on target server: 1. Download cp035397.exe file to a local directory on the server where you want to install the software 2. Run cp035397.exe file from the same directory by double-clicking it. 3. When the Component dialog window displays, click the "Install" button to initiate the firmware upgrade.
	Reboot Required	
KB2834140	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=5b73fcc8-dde8-4542-a5fa-0b23ce19a8ee	
KB3124275 IE8	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=8bf1b674-47b0-435a-b263-00f434227cda	



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



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



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



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Monthly Rollup		
	Reboot Required	
KB4338818 July 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=1c930eab-7b7e-4616-b5b5-d6e4a723bc71	
	Reboot Required	
KB4343900 August 2018 Monthly Rollup	http://catalog.update.microsoft.com/v7/site/ScopedViewInline.aspx?updateid=71600c77-2a56-4ba2-991b-ad477cfc9eb9	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]	
	Reboot Required	

MLCL v6.9 Firmware



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