

# **Remediation Plan**

## **Remediation Sample 2**

**Audited on April 06 2010**

**Reported on December 17 2010**

## 1. Discovered Systems

Node	Operating System	Risk	Aliases
10.2.60.250	Microsoft Windows 2000 Server SP4	399662.75	<ul style="list-style-type: none"><li>•iml-fileserver</li><li>•iml-fileserver.tor.rapid7.com</li></ul>

## 2. Risk Assessment

This report identifies security risks that could adversely affect your critical operations and assets. These risks are quantified according to their likelihood of occurrence and the potential damage if they occur. Risk factors are combined to form an overall risk index for each system, allowing you to prioritize your remediation activities accordingly.

Device	Risk Index	Risk Factors
10.2.60.250	399662.75	<ul style="list-style-type: none"><li>•This device is in the Los Angeles - LAN site with a risk factor of 1.00.</li><li>•68 critical vulnerabilities were discovered with a risk weight of 12.24.</li><li>•24 severe vulnerabilities were discovered with a risk weight of 2.64.</li><li>•6 moderate vulnerabilities were discovered with a risk weight of 0.24.</li><li>•11 DCE RPC services were discovered with a risk weight of 0.55.</li><li>•2 DCE Endpoint Resolution services were discovered with a risk weight of 0.10.</li><li>•2 daytime services were discovered with a risk weight of 0.10.</li><li>•2 Quote of the Day services were discovered with a risk weight of 0.10.</li><li>•One HTTPS service was discovered with a risk weight of 0.05.</li><li>•One WINS service was discovered with a risk weight of 0.05.</li><li>•One HTTP service was discovered with a risk weight of 0.05.</li><li>•One DNS service was discovered with a risk weight of 0.05.</li><li>•One echo service was discovered with a risk weight of 0.05.</li><li>•One CIFS service was discovered with a risk weight of 0.05.</li><li>•One CIFS Name Service service was discovered with a risk weight of 0.05.</li><li>•One Character Generator service was discovered with a risk weight of 0.05.</li><li>•One discard service was discovered with a risk weight of 0.05.</li></ul>

## 3. Remediation Plan

### 3.1. Remediation Plan for 10.2.60.250

#### 3.1.1. For Microsoft Windows 2000 Server SP4

These vulnerabilities can be resolved by performing the following 77 steps. The total estimated time to perform all of these steps is 39 hours 15 minutes.

##### *Download and install Microsoft patch windows2000-kb979559-x86-enu.exe (1314312 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/05/windows2000-kb979559-x86-enu\\_afcf50bae6ba917de0fd462266328dad8e36a2d4.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/05/windows2000-kb979559-x86-enu_afcf50bae6ba917de0fd462266328dad8e36a2d4.exe)

This will address the following 5 issues:

- MS08-025: Vulnerability in Windows Kernel Could Allow Elevation of Privilege (941693) (WINDOWS-HOTFIX-MS08-025)
- MS08-061: Vulnerabilities in Windows Kernel Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS08-061)
- MS09-006: Vulnerabilities in Windows Kernel Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-006)
- MS09-025: Vulnerabilities in Windows Kernel Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS09-025)
- MS09-065: Vulnerabilities in Windows Kernel-Mode Drivers Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-065)

##### *Download and install Microsoft patch Windows2000-KB961063-x86-ENU.EXE (1386552 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/02/windows2000-kb961063-x86-enu\\_102ee9717a64a2d864537dbd6e0ea1d096051617.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/02/windows2000-kb961063-x86-enu_102ee9717a64a2d864537dbd6e0ea1d096051617.exe)

This will address the following 4 issues:

- MS07-029: Vulnerability in Windows DNS RPC Interface Could Allow Remote Code Execution (935966) (WINDOWS-HOTFIX-MS07-029)
- MS07-062: Vulnerability in DNS Could Allow Spoofing (941672) (WINDOWS-HOTFIX-MS07-062)
- MS08-037: Vulnerabilities in DNS Could Allow Spoofing (953230) (WINDOWS-HOTFIX-MS08-037)
- MS09-008: Vulnerabilities in DNS and WINS Server Could Allow Spoofing (WINDOWS-HOTFIX-MS09-008)

##### *Download and install Microsoft patch Windows2000-KB956802-x86-ENU.EXE (618024 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windows2000-kb956802-x86-enu\\_e3d51a6b64fee13c27bfcfdc121cd37330065e019.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windows2000-kb956802-x86-enu_e3d51a6b64fee13c27bfcfdc121cd37330065e019.exe)

This will address the following 3 issues:

- MS07-046: Vulnerability in GDI Could Allow Remote Code Execution (938829) (WINDOWS-HOTFIX-MS07-046)

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- MS08-021: Vulnerabilities in GDI Could Allow Remote Code Execution (948590) (WINDOWS-HOTFIX-MS08-021)
- MS08-071: Vulnerabilities in GDI Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-071)

### *Download and install Microsoft patch Windows2000-KB971468-x86-ENU.EXE (621304 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb971468-x86-enu\\_d951943f14a5e6e52fbbbed11ae55882c685795c.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb971468-x86-enu_d951943f14a5e6e52fbbbed11ae55882c685795c.exe)

This will address the following 3 issues:

- MS08-063: Vulnerability in SMB Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-063)
- 2 instances of MS09-001: Vulnerabilities in SMB Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-001)

### *Download and install Microsoft patch msxml6-KB954459-enu-amd64.exe (1851912 bytes)*

Estimated time: 30 minutes

Microsoft Windows XP Professional SP2 OR SP1 (x86\_64), Microsoft Windows Server 2003 SP2 OR SP1 (x86\_64), Microsoft Windows Server 2003, Standard Edition SP2 OR SP1 (x86\_64), Microsoft Windows Server 2003, Enterprise Edition SP2 OR SP1 (x86\_64), Microsoft Windows Server 2003, Datacenter Edition SP2 OR SP1 (x86\_64), Microsoft Windows Server 2003, Web Edition SP2 OR SP1 (x86\_64), Microsoft Windows Small Business Server 2003 SP2 OR SP1 (x86\_64)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/msxml6-kb954459-enu-amd64\\_700b3db5d02537a7d1ede754105b2d4a9eee25e3.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/msxml6-kb954459-enu-amd64_700b3db5d02537a7d1ede754105b2d4a9eee25e3.exe)

This will address 3 instances of the following issue: MS07-042: Vulnerability in Microsoft XML Core Services Could Allow Remote Code Execution (936227) (WINDOWS-HOTFIX-MS07-042).

### *Download and install Microsoft patch Windows2000-KB969883-x86-ENU.EXE (1055480 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb969883-x86-enu\\_66fa35da28d93575713ebb3816c5dd28fbe4b3ad.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb969883-x86-enu_66fa35da28d93575713ebb3816c5dd28fbe4b3ad.exe)

This will address the following 3 issues:

- MS08-034: Vulnerability in WINS Could Allow Elevation of Privilege (948745) (WINDOWS-HOTFIX-MS08-034)
- MS09-008: Vulnerabilities in DNS and WINS Server Could Allow Spoofing (WINDOWS-HOTFIX-MS09-008)
- MS09-039: Vulnerabilities in WINS Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-039)

### *Download and install Microsoft patch oe5.5sp2-kb978542-windows2000-x86-enu.exe (1544600 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/04/oe5.5sp2-kb978542-windows2000-x86-enu\\_3295f7424d423690bacdb0aa059f418f62cd30de.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/04/oe5.5sp2-kb978542-windows2000-x86-enu_3295f7424d423690bacdb0aa059f418f62cd30de.exe)

This will address the following 3 issues:

- MS07-056: Security Update for Outlook Express and Windows Mail (941202) (WINDOWS-HOTFIX-MS07-056)
- MS08-048: Security Update for Outlook Express and Windows Mail (951066) (WINDOWS-HOTFIX-MS08-048)

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- MS09-037: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-037)

### *Download and install Microsoft patch oe6.0sp1-kb978542-windows2000-x86-enu.exe (2424720 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/04/oe6.0sp1-kb978542-windows2000-x86-enu\\_67aebb55a4dc470220b81189537be887e593402d.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/04/oe6.0sp1-kb978542-windows2000-x86-enu_67aebb55a4dc470220b81189537be887e593402d.exe)

This will address the following 3 issues:

- MS07-056: Security Update for Outlook Express and Windows Mail (941202) (WINDOWS-HOTFIX-MS07-056)
- MS08-048: Security Update for Outlook Express and Windows Mail (951066) (WINDOWS-HOTFIX-MS08-048)
- MS09-037: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-037)

### *Download and install Microsoft patch Windows2000-KB973525-x86-ENU.EXE (495344 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windows2000-kb973525-x86-enu\\_2c2c12f4ff8fb50ae73b9aef1ae571600416f455.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windows2000-kb973525-x86-enu_2c2c12f4ff8fb50ae73b9aef1ae571600416f455.exe)

This will address the following 3 issues:

- MS08-032: Cumulative Security Update of ActiveX Kill Bits (950760) (WINDOWS-HOTFIX-MS08-032)
- MS09-032: Cumulative Security Update of ActiveX Kill Bits (WINDOWS-HOTFIX-MS09-032)
- MS09-055: Cumulative Security Update of ActiveX Kill Bits (WINDOWS-HOTFIX-MS09-055)

### *Download and install Microsoft patch Windows2000-KB971032-x86-ENU.EXE (1382136 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb971032-x86-enu\\_182026313fb60284c889837436adde45ee155b34.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb971032-x86-enu_182026313fb60284c889837436adde45ee155b34.exe)

This will address the following 3 issues:

- MS07-065: Vulnerability in Message Queuing Could Allow Remote Code Execution (937894) (WINDOWS-HOTFIX-MS07-065)
- MS08-065: Vulnerability in Message Queuing Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-065)
- MS09-040: Vulnerability in Message Queuing Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS09-040)

### *Download and install Microsoft patch Windows2000-KB977914-x86-ENU.EXE (587512 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb977914-x86-enu\\_510d4b40b2aa308e127b91db7e56edbe5908e4f0.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb977914-x86-enu_510d4b40b2aa308e127b91db7e56edbe5908e4f0.exe)

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This will address the following 2 issues:

- MS09-038: Vulnerabilities in Windows Media File Processing Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-038)
- MS10-013: Vulnerability in Microsoft DirectShow Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-013)

### *Download and install Microsoft patch Windows2000-KB951748-V2-x86-ENU.EXE (856816 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb951748-v2-x86-enu\\_0fcfe0691a771a95e39538b99cc28442c08e0efa.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb951748-v2-x86-enu_0fcfe0691a771a95e39538b99cc28442c08e0efa.exe)

This will address the following 3 issues:

- MS08-001: Vulnerabilities in Windows TCP/IP Could Allow Remote Code Execution (941644) (WINDOWS-HOTFIX-MS08-001)
- MS08-020: Vulnerability in DNS Client Could Allow Spoofing (945553) (WINDOWS-HOTFIX-MS08-020)
- MS08-037: Vulnerabilities in DNS Could Allow Spoofing (953230) (WINDOWS-HOTFIX-MS08-037)

### *Download and install Microsoft patch Windows2000-KB961501-x86-ENU.EXE (1319664 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/05/windows2000-kb961501-x86-enu\\_3918f70c81eaf930b444dedaf51e9199058dc13c.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/05/windows2000-kb961501-x86-enu_3918f70c81eaf930b444dedaf51e9199058dc13c.exe)

This will address the following 2 issues:

- MS07-021: Vulnerability in CSRSS Could Allow Remote Code Execution (930178) (WINDOWS-HOTFIX-MS07-021)
- MS09-022: Vulnerabilities in Windows Print Spooler Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-022)

### *Download and install Microsoft patch windows2000-kb979683-x86-enu.exe (1618680 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/03/windows2000-kb979683-x86-enu\\_8e585ffb146d0a205407d8abf4c3c85d7d258b20.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/03/windows2000-kb979683-x86-enu_8e585ffb146d0a205407d8abf4c3c85d7d258b20.exe)

This will address the following 2 issues:

- MS09-058: Vulnerabilities in Windows Kernel Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS09-058)
- MS10-015: Vulnerabilities in Windows Kernel Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS10-015)

### *Download and install Microsoft patch Windows2000-KB943055-x86-ENU.EXE (761200 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from:

[http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/01/windows2000-kb943055-x86-enu\\_0ce41cadaf97b6088a21869628fd8dae0f4c16c8.exe](http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/01/windows2000-kb943055-x86-enu_0ce41cadaf97b6088a21869628fd8dae0f4c16c8.exe)

This will address the following 2 issues:

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- MS07-043: Vulnerability in OLE Automation Could Allow Remote Code Execution (921503) (WINDOWS-HOTFIX-MS07-043)
- MS08-008: Vulnerability in OLE Automation Could Allow Remote Code Execution (947890) (WINDOWS-HOTFIX-MS08-008)

### *Download and install Microsoft patch Windows2000-KB972270-x86-ENU.EXE (581872 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb972270-x86-enu\\_3db909b0908a10dfa2573dff3865a6a56f5d9894.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb972270-x86-enu_3db909b0908a10dfa2573dff3865a6a56f5d9894.exe)

This will address the following 2 issues:

- MS09-029: Vulnerabilities in the Embedded OpenType Font Engine Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-029)
- MS10-001: Vulnerability in the Embedded OpenType Font Engine Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-001)

### *Download and install Microsoft patch Windows2000-KB960225-x86-ENU.EXE (561192 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/01/windows2000-kb960225-x86-enu\\_56bc13d4396a334855410c5c9dcf2a598d1b59c6.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/01/windows2000-kb960225-x86-enu_56bc13d4396a334855410c5c9dcf2a598d1b59c6.exe)

This will address the following 2 issues:

- MS07-031: Vulnerability in the Windows Schannel Security Package Could Allow Remote Code Execution (935840) (WINDOWS-HOTFIX-MS07-031)
- MS09-007: Vulnerability in SChannel Could Allow Spoofing (WINDOWS-HOTFIX-MS09-007)

### *Download and install Microsoft patch Windows2000-KB938827-x86-ENU.EXE (990064 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb938827-x86-enu\\_dbcd4f66d5558b3a633af7b81fe008c8099b11d9.exe](http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb938827-x86-enu_dbcd4f66d5558b3a633af7b81fe008c8099b11d9.exe)

This will address the following 2 issues:

- MS07-020: Vulnerability in Microsoft Agent Could Allow Remote Code Execution (932168) (WINDOWS-HOTFIX-MS07-020)
- MS07-051: Vulnerability in Microsoft Agent Could Allow Remote Code Execution (938827) (WINDOWS-HOTFIX-MS07-051)

### *Download and install Microsoft patch Windows2000-KB955069-x86-ENU.EXE (926944 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/windows2000-kb955069-x86-enu\\_c8634d5414fbd4c17784078e2a3eed5e61e6eae7.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/windows2000-kb955069-x86-enu_c8634d5414fbd4c17784078e2a3eed5e61e6eae7.exe)

This will address the following 2 issues:



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- MS07-042: Vulnerability in Microsoft XML Core Services Could Allow Remote Code Execution (936227) (WINDOWS-HOTFIX-MS07-042)
- MS08-069: Vulnerabilities in Microsoft XML Core Services Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-069)

### *Download and install Microsoft patch Windows2000-KB970238-x86-ENU.EXE (703760 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/05/windows2000-kb970238-x86-enu\\_61f3b8d51b26295a63ad38b0a8e0ec6fd904d646.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/05/windows2000-kb970238-x86-enu_61f3b8d51b26295a63ad38b0a8e0ec6fd904d646.exe)

This will address the following 2 issues:

- MS07-058: Vulnerability in RPC Could Allow Denial of Service (933729) (WINDOWS-HOTFIX-MS07-058)
- MS09-026: Vulnerability in RPC Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS09-026)

### *Disable NULL sessions*

Estimated time: 15 minutes

Microsoft Windows 2000, Microsoft Windows 2000 Professional, Microsoft Windows 2000 Server, Microsoft Windows 2000 Advanced Server, Microsoft Windows 2000 Datacenter Server

Modify the registry key:

HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Lsa\

with the following value:

```
Value Name: RestrictAnonymous
Data Type: REG_DWORD
Data Value: 2
```

After modifying the registry, reboot the machine.

Please note that disabling NULL sessions may have an adverse impact on functionality, as some applications and network environments may depend on them for proper operation. Refer to [Microsoft Knowledge Base Article Q246261](#) for more information.

This will address the following 2 issues:

- CIFS NULL Session Permitted (CIFS-NT-0001)
- Anonymous users can obtain the Windows password policy (CIFS-NT-0002)

### *Download and install Microsoft patch Windows2000-KB958644-x86-ENU.EXE (618024 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/10/windows2000-kb958644-x86-enu\\_32416827ab7de148e5e7998e6e1f4c3b16fa4719.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/10/windows2000-kb958644-x86-enu_32416827ab7de148e5e7998e6e1f4c3b16fa4719.exe)

This will address the following issue: MS08-067: Vulnerability in Server Service Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-067).

### *Download and install Microsoft patch Windows2000-KB960859-x86-ENU.EXE (1219624 bytes)*

Estimated time: 30 minutes

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Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb960859-x86-enu\\_f101185bd7cfb522d37e8a78750aa712ed3ea650.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb960859-x86-enu_f101185bd7cfb522d37e8a78750aa712ed3ea650.exe)

This will address the following issue: MS09-042: Vulnerability in Telnet Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-042).

### *Download and install Microsoft patch Windows2000-KB974783-x86-ENU.EXE (532208 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/10/windows2000-kb974783-x86-enu\\_c6c732a0fc43d9aa8c2bc6b2c492916751d9b6a7.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/10/windows2000-kb974783-x86-enu_c6c732a0fc43d9aa8c2bc6b2c492916751d9b6a7.exe)

This will address the following issue: MS09-064: Vulnerability in License Logging Server Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-064).

### *Download and install Microsoft patch Windows2000-KB958470-x86-ENU.EXE (1517816 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb958470-x86-enu\\_848232df0d3af0c33b951cc9f5fcb7af70ce291.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb958470-x86-enu_848232df0d3af0c33b951cc9f5fcb7af70ce291.exe)

This will address the following issue: MS09-044: Vulnerabilities in Remote Desktop Connection Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-044).

### *Download and install Microsoft patch Windows2000-KB958471-x86-ENU.EXE (905456 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb958471-x86-enu\\_88cbff1f0b4a38cd923d9d58eea070ff4aaa3432.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb958471-x86-enu_88cbff1f0b4a38cd923d9d58eea070ff4aaa3432.exe)

This will address the following issue: MS09-044: Vulnerabilities in Remote Desktop Connection Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-044).

### *Download and install Microsoft patch Windows2000-KB974318-x86-ENU.EXE (558320 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb974318-x86-enu\\_08efada4ef05902199106774a183f3037ba3cf99.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb974318-x86-enu_08efada4ef05902199106774a183f3037ba3cf99.exe)

This will address the following issue: MS09-071: Vulnerabilities in Internet Authentication Service Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-071).

### *Download and install Microsoft patch Windows2000-KB973507-x86-ENU.EXE (523504 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

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Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/08/windows2000-kb973507-x86-enu\\_a59394600fb3d426c0c9570db6ac43290247671c.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/08/windows2000-kb973507-x86-enu_a59394600fb3d426c0c9570db6ac43290247671c.exe)

This will address the following issue: MS09-037: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-037).

*Download and install Microsoft patch Windows2000-KB950749-x86-ENU.EXE (3036896 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from:

[http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/04/windows2000-kb950749-x86-enu\\_2432bbdd2ed810ce9ce976bec21cb469cdfa8440.exe](http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/04/windows2000-kb950749-x86-enu_2432bbdd2ed810ce9ce976bec21cb469cdfa8440.exe)

This will address the following issue: MS08-028: Vulnerability in Microsoft Jet Database Engine Could Allow Remote Code Execution (950749) (WINDOWS-HOTFIX-MS08-028).

*Download and install Microsoft patch Windows2000-KB973869-x86-ENU.EXE (538360 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb973869-x86-enu\\_130290583470ef14a8b9ba3c8d4d1da0c3b35ec5.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-kb973869-x86-enu_130290583470ef14a8b9ba3c8d4d1da0c3b35ec5.exe)

This will address the following issue: MS09-037: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-037).

*Download and install Microsoft patch Windows2000-KB956844-x86-ENU.EXE (555760 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/08/windows2000-kb956844-x86-enu\\_ab7f5ee1125b06ce2503d38087a78aecad3447ab.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/08/windows2000-kb956844-x86-enu_ab7f5ee1125b06ce2503d38087a78aecad3447ab.exe)

This will address the following issue: MS09-046: Vulnerability in DHTML Editing Component ActiveX Control Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-046).

*Download and install Microsoft patch Windows2000-KB971961-x86-ENU.EXE (693488 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/08/windows2000-kb971961-x86-enu\\_ac5521bec3ec72a38042afd657d20f4a4511d87.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/08/windows2000-kb971961-x86-enu_ac5521bec3ec72a38042afd657d20f4a4511d87.exe)

This will address the following issue: MS09-045: Vulnerability in JScript Scripting Engine Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-045).

*Download and install Microsoft patch Windows2000-KB978037-x86-ENU.EXE (506104 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

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Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb978037-x86-enu\\_b4211b8346b2df2e60bde5ead1bb3d3fad0f5e89.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb978037-x86-enu_b4211b8346b2df2e60bde5ead1bb3d3fad0f5e89.exe)

This will address the following issue: MS10-011: Vulnerability in Windows Client/Server Run-time Subsystem Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS10-011).

*Download and install Microsoft patch Windows2000-KB975560-x86-ENU.EXE (810232 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb975560-x86-enu\\_42a0dd56023d98b6e020db09fac2d230ab64cec4.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb975560-x86-enu_42a0dd56023d98b6e020db09fac2d230ab64cec4.exe)

This will address the following issue: MS10-013: Vulnerability in Microsoft DirectShow Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-013).

*Download and install Microsoft patch Windows2000-KB953155-x86-ENU.EXE (563936 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/windows2000-kb953155-x86-enu\\_2c3558a9e1f5f88803ed62d5abc25c71d452a3e9.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/windows2000-kb953155-x86-enu_2c3558a9e1f5f88803ed62d5abc25c71d452a3e9.exe)

This will address the following issue: MS08-062: Vulnerability in Windows Internet Printing Service Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-062).

*Download and install Microsoft patch Windows2000-KB944338-x86-ENU.EXE (832368 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from:

[http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/03/windows2000-kb944338-x86-enu\\_ce140b66a8adab70754f98048b2a2f50ccd1c25e.exe](http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/03/windows2000-kb944338-x86-enu_ce140b66a8adab70754f98048b2a2f50ccd1c25e.exe)

This will address the following issue: MS08-022: Vulnerability in VBScript and JScript Scripting Engines Could Allow Remote Code Execution (944338) (WINDOWS-HOTFIX-MS08-022).

*Download and install Microsoft patch Windows2000-KB975542-x86-ENU.EXE (718576 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/10/windows2000-kb975542-x86-enu\\_dfc84feed3353c2a41f9d39192605e235b106551.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/10/windows2000-kb975542-x86-enu_dfc84feed3353c2a41f9d39192605e235b106551.exe)

This will address the following issue: MS09-045: Vulnerability in JScript Scripting Engine Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-045).

*Download and install Microsoft patch Windows2000-WindowsMedia9-KB973540-x86-ENU.exe (2196360 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

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Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-windowsmedia9-kb973540-x86-enu\\_54ee7f6adbe88f633db8b3f2558a8e722277ed57.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/07/windows2000-windowsmedia9-kb973540-x86-enu_54ee7f6adbe88f633db8b3f2558a8e722277ed57.exe)

This will address the following issue: MS09-037: Vulnerabilities in Microsoft Active Template Library (ATL) Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-037).

*Download and install Microsoft patch Windows2000-KB952954-x86-ENU.EXE (524000 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from:

[http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/07/windows2000-kb952954-x86-enu\\_3ee29c3d4abfae6dd66bba693a7376190afa7f3e.exe](http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/07/windows2000-kb952954-x86-enu_3ee29c3d4abfae6dd66bba693a7376190afa7f3e.exe)

This will address the following issue: MS08-046: Vulnerability in Microsoft Windows Image Color Management System Could Allow Remote Code Execution (952954) (WINDOWS-HOTFIX-MS08-046).

*Download and install Microsoft patch windows2000-kb980232-x86-enu.exe (1240312 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/03/windows2000-kb980232-x86-enu\\_73b905f403649a64ac18243ad58a73a4f65f9b03.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/03/windows2000-kb980232-x86-enu_73b905f403649a64ac18243ad58a73a4f65f9b03.exe)

This will address the following issue: MS10-006: Vulnerabilities in SMB Client Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-006).

*Download and install Microsoft patch Windows2000-DirectX9-KB975560-x86-ENU.exe (1015016 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-directx9-kb975560-x86-enu\\_61f5ecee7de1713160518da7a4c3c0f41c90a099.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-directx9-kb975560-x86-enu_61f5ecee7de1713160518da7a4c3c0f41c90a099.exe)

This will address the following issue: MS10-013: Vulnerability in Microsoft DirectShow Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-013).

*Download and install Microsoft patch Windows2000-KB935839-x86-ENU.EXE (736624 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb935839-x86-enu\\_54168f2a23e3634799b45e03b1f51ecd3a8168d2.exe](http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb935839-x86-enu_54168f2a23e3634799b45e03b1f51ecd3a8168d2.exe)

This will address the following issue: MS07-035: Vulnerability in Win 32 API Could Allow Remote Code Execution (935839) (WINDOWS-HOTFIX-MS07-035).

*Download and install Microsoft patch WindowsMedia64-KB974112-x86-ENU.exe (598920 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

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Download and apply the patch from:

[http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windowsmedia64-kb974112-x86-enu\\_da66b8ec1ecd2260a7df5d934b7c880cd665f3b9.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windowsmedia64-kb974112-x86-enu_da66b8ec1ecd2260a7df5d934b7c880cd665f3b9.exe)

This will address the following issue: MS09-052: Vulnerability in Windows Media Player Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-052).

*Download and install Microsoft patch WindowsMedia64-KB954600-x86-ENU.exe (1373584 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from:

[http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windowsmedia64-kb954600-x86-enu\\_3b39912a17ea27d6b788a9609353177697911dc4.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windowsmedia64-kb954600-x86-enu_3b39912a17ea27d6b788a9609353177697911dc4.exe)

This will address the following issue: MS08-076: Vulnerabilities in Windows Media Components Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-076).

*Download and install Microsoft patch Windows2000-KB973904-x86-ENU.EXE (880888 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb973904-x86-enu\\_9c256ce7df66e82d3c144cd189eaf36b0dab0388.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb973904-x86-enu_9c256ce7df66e82d3c144cd189eaf36b0dab0388.exe)

This will address the following issue: MS09-073: Vulnerability in WordPad and Office Text Converters Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-073).

*Download and install Microsoft patch Windows2000-KB959426-x86-ENU.EXE (511544 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/04/windows2000-kb959426-x86-enu\\_bf930a4d2982165a0793465bb255d494ba5b4cf7.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/04/windows2000-kb959426-x86-enu_bf930a4d2982165a0793465bb255d494ba5b4cf7.exe)

This will address the following issue: MS09-015: Blended Threat Vulnerability in SearchPath Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS09-015).

*Download and install Microsoft patch Windows2000-KB969059-x86-ENU.EXE (1049336 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windows2000-kb969059-x86-enu\\_848736fba2c1312ea53095413859b59fcc37f69d.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windows2000-kb969059-x86-enu_848736fba2c1312ea53095413859b59fcc37f69d.exe)

This will address the following issue: MS09-057: Vulnerability in Indexing Service Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-057).

*Download and install Microsoft patch WindowsMedia41-KB952068-x86-ENU.exe (1501072 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

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Download and apply the patch from:

[http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windowsmedia41-kb952068-x86-enu\\_82b75244b17742da481012ddf13b28b38e856f48.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windowsmedia41-kb952068-x86-enu_82b75244b17742da481012ddf13b28b38e856f48.exe)

This will address the following issue: MS08-076: Vulnerabilities in Windows Media Components Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-076).

*Download and install Microsoft patch Windows2000-KB971468-x86-ENU.EXE (621304 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb971468-x86-enu\\_d951943f14a5e6e52fbbbed11ae55882c685795c.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb971468-x86-enu_d951943f14a5e6e52fbbbed11ae55882c685795c.exe)

This will address the following issue: MS10-012: Vulnerabilities in SMB Server Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-012).

*Download and install Microsoft patch Windows2000-KB923810-x86-ENU.EXE (1414000 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb923810-x86-enu\\_66b43efa5426b952e1721807543e5ea4f98d51ce.exe](http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb923810-x86-enu_66b43efa5426b952e1721807543e5ea4f98d51ce.exe)

This will address the following issue: MS07-055: Vulnerability in Kodak Image Viewer Could Allow Remote Code Execution (923810) (WINDOWS-HOTFIX-MS07-055).

*Download and install Microsoft patch Windows2000-KB925902-x86-ENU.EXE (1622896 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb925902-x86-enu\\_d43eabb6c10a127eccc4ae22efbde28bfdcfb06.exe](http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb925902-x86-enu_d43eabb6c10a127eccc4ae22efbde28bfdcfb06.exe)

This will address the following issue: MS07-017: Vulnerability In GDI Could Allow Remote Code Execution (925902) (WINDOWS-HOTFIX-MS07-017).

*Download and install Microsoft patch Windows2000-KB975713-x86-ENU.EXE (606960 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb975713-x86-enu\\_44cc0fb7ecd29a72d0496f2d86ee87ad4542a035.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb975713-x86-enu_44cc0fb7ecd29a72d0496f2d86ee87ad4542a035.exe)

This will address the following issue: MS10-007: Vulnerability in Windows Shell Handler Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-007).

*Download and install Microsoft patch Windows2000-KB942831-x86-ENU.EXE (596848 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

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## Remediation Plan

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Download and apply the patch from:

[http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/01/windows2000-kb942831-x86-enu\\_ee37bbe6a6bf9a8405103cb8fee2e0e274d41e28.exe](http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/01/windows2000-kb942831-x86-enu_ee37bbe6a6bf9a8405103cb8fee2e0e274d41e28.exe)

This will address the following issue: MS08-005: Vulnerability in Internet Information Services Could Allow Elevation of Privilege (942831) (WINDOWS-HOTFIX-MS08-005).

### *Download and install Microsoft patch Windows2000-KB957097-x86-ENU.EXE (1453792 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/windows2000-kb957097-x86-enu\\_dafe8c0b69d7af271c58bf0e1a8696d19e59c515.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/windows2000-kb957097-x86-enu_dafe8c0b69d7af271c58bf0e1a8696d19e59c515.exe)

This will address the following issue: MS08-068: Vulnerability in SMB Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-068).

### *Download and install Microsoft patch msxml4-KB954430-enu.exe (5687304 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86), Microsoft Windows XP Professional SP3 OR SP2 (x86), Microsoft Windows XP Home SP3 OR SP2 (x86), Microsoft Windows Server 2003 SP2 OR SP1 (x86), Microsoft Windows Server 2003, Standard Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Enterprise Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Datacenter Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Web Edition SP2 OR SP1 (x86), Microsoft Windows Small Business Server 2003 SP2 OR SP1 (x86), Microsoft Windows Vista SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Home, Basic Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Home, Basic N Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Home, Premium Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Ultimate Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Enterprise Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Business Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Business N Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Starter Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Server 2008 SP2 OR SP1 (x86), Microsoft Windows Server 2008 Enterprise Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Standard Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Datacenter Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 HPC Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Web Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Storage Edition SP2 OR SP1 (x86), Microsoft Windows Small Business Server 2008 SP2 OR SP1 (x86), Microsoft Windows Essential Business Server 2008 SP2 OR SP1 (x86), Microsoft Windows 7 (x86), Microsoft Windows 7 Home, Basic Edition (x86), Microsoft Windows 7 Home, Basic N Edition (x86), Microsoft Windows 7 Home, Premium Edition (x86), Microsoft Windows 7 Home, Premium N Edition (x86), Microsoft Windows 7 Ultimate Edition (x86), Microsoft Windows 7 Ultimate N Edition (x86), Microsoft Windows 7 Enterprise Edition (x86), Microsoft Windows 7 Enterprise N Edition (x86), Microsoft Windows 7 Professional Edition (x86), Microsoft Windows 7 Starter Edition (x86), Microsoft Windows 7 Starter N Edition (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/10/msxml4-kb954430-enu\\_c40d3e3035b8cea714f27532fea37c05b2d4dc65.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/10/msxml4-kb954430-enu_c40d3e3035b8cea714f27532fea37c05b2d4dc65.exe)

This will address the following issue: MS07-042: Vulnerability in Microsoft XML Core Services Could Allow Remote Code Execution (936227) (WINDOWS-HOTFIX-MS07-042).

### *Download and install Microsoft patch Windows2000-WindowsMedia-KB952069-x86-ENU.exe (3564944 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)



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## Remediation Plan

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Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/12/windows2000-windowsmedia-kb952069-x86-enu\\_0db456bf01a5509b2a988705800f2566bb06ecc7.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/12/windows2000-windowsmedia-kb952069-x86-enu_0db456bf01a5509b2a988705800f2566bb06ecc7.exe)

This will address the following issue: MS08-076: Vulnerabilities in Windows Media Components Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-076).

*Download and install Microsoft patch windows2000-kb980195-x86-enu.exe (495112 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/05/windows2000-kb980195-x86-enu\\_717414fd30d98edd4afaa0df54fc295ef206ba4c.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/05/windows2000-kb980195-x86-enu_717414fd30d98edd4afaa0df54fc295ef206ba4c.exe)

This will address the following issue: MS10-008: Cumulative Security Update of ActiveX Kill Bits (WINDOWS-HOTFIX-MS10-008).

*Download and install Microsoft patch Windows2000-KB971468-x86-ENU.EXE (621304 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb971468-x86-enu\\_d951943f14a5e6e52fbbbed11ae55882c685795c.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb971468-x86-enu_d951943f14a5e6e52fbbbed11ae55882c685795c.exe)

This will address the following issue: MS10-012: Vulnerabilities in SMB Server Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-012).

*Download and install Microsoft patch Windows2000-KB975560-x86-ENU.EXE (810232 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb975560-x86-enu\\_42a0dd56023d98b6e020db09fac2d230ab64cec4.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb975560-x86-enu_42a0dd56023d98b6e020db09fac2d230ab64cec4.exe)

This will address the following issue: MS09-028: Vulnerabilities in Microsoft DirectShow Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-028).

*Download and install Microsoft patch Windows2000-DirectX8-KB971633-x86-ENU.exe (1011600 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/06/windows2000-directx8-kb971633-x86-enu\\_3bd607a84758b581a251df17b638f8224a220714.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/06/windows2000-directx8-kb971633-x86-enu_3bd607a84758b581a251df17b638f8224a220714.exe)

This will address the following issue: MS09-028: Vulnerabilities in Microsoft DirectShow Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-028).

*Download and install Microsoft patch Windows2000-DirectX9-KB975560-x86-ENU.exe (1015016 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-directx9-kb975560-x86-enu\\_61f5ecee7de1713160518da7a4c3c0f41c90a099.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-directx9-kb975560-x86-enu_61f5ecee7de1713160518da7a4c3c0f41c90a099.exe)

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## Remediation Plan

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This will address the following issue: MS09-028: Vulnerabilities in Microsoft DirectShow Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-028).

*Download and install Microsoft patch msxml4-KB936181-enu.exe (5652328 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4, Microsoft Windows 2000 Professional SP4, Microsoft Windows 2000 Server SP4, Microsoft Windows 2000 Advanced Server SP4, Microsoft Windows 2000 Datacenter Server SP4, Microsoft Windows XP Professional SP2 OR SP1, Microsoft Windows XP Home SP2, Microsoft Windows Server 2003 SP2 OR SP1, Microsoft Windows Server 2003, Standard Edition SP2 OR SP1, Microsoft Windows Server 2003, Enterprise Edition SP2 OR SP1, Microsoft Windows Server 2003, Datacenter Edition SP2 OR SP1, Microsoft Windows Server 2003, Web Edition SP2 OR SP1, Microsoft Windows Small Business Server 2003 SP2 OR SP1, Microsoft Windows Vista, Microsoft Windows Vista Home, Basic Edition, Microsoft Windows Vista Home, Basic N Edition, Microsoft Windows Vista Home, Premium Edition, Microsoft Windows Vista Ultimate Edition, Microsoft Windows Vista Enterprise Edition, Microsoft Windows Vista Business Edition, Microsoft Windows Vista Business N Edition, Microsoft Windows Vista Starter Edition

Download and apply the patch from: [http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/msxml4-kb936181-enu\\_73d75d7b41f8a3d49f272e74d4f73bb5e82f1acf.exe](http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/msxml4-kb936181-enu_73d75d7b41f8a3d49f272e74d4f73bb5e82f1acf.exe)

This will address the following issue: MS07-042: Vulnerability in Microsoft XML Core Services Could Allow Remote Code Execution (936227) (WINDOWS-HOTFIX-MS07-042).

*Download and install Microsoft patch Windows2000-KB923561-x86-ENU.EXE (1306168 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/04/windows2000-kb923561-x86-enu\\_c919360f0b18903c48eeb0d7c3f28a0de32e4609.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/04/windows2000-kb923561-x86-enu_c919360f0b18903c48eeb0d7c3f28a0de32e4609.exe)

This will address the following issue: MS09-010: Vulnerabilities in WordPad and Office Text Converters Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-010).

*Download and install Microsoft patch Windows2000-KB952004-x86-ENU.EXE (3294432 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windows2000-kb952004-x86-enu\\_9e41c26458d9bad315ca25e9cc191699eab0549c.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/11/windows2000-kb952004-x86-enu_9e41c26458d9bad315ca25e9cc191699eab0549c.exe)

This will address the following issue: MS09-012: Vulnerabilities in Windows Could Allow Elevation of Privilege (WINDOWS-HOTFIX-MS09-012).

*Download and install Microsoft patch Windows2000-KB960803-x86-ENU.EXE (1350696 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/03/windows2000-kb960803-x86-enu\\_054a575493677584c52d6180ec645a9c92e2db5b.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/03/windows2000-kb960803-x86-enu_054a575493677584c52d6180ec645a9c92e2db5b.exe)

This will address the following issue: MS09-013: Vulnerabilities in Windows HTTP Services Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS09-013).

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## Remediation Plan

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### *Set the password expiration*

Estimated time: 15 minutes

Microsoft Windows 2000 Server, Microsoft Windows 2000 Advanced Server, Microsoft Windows 2000 Datacenter Server, Microsoft Windows Server 2003, Microsoft Windows Server 2003, Standard Edition, Microsoft Windows Server 2003, Enterprise Edition, Microsoft Windows Server 2003, Datacenter Edition, Microsoft Windows Server 2003, Web Edition, Microsoft Windows Small Business Server 2003

If the account is not used, delete or disable the account. If the account is a built-in system account such as the IUSR\_ or IWAM\_ accounts, enable the "User cannot change password" option to stop this vulnerability from being reported (Microsoft best practices dictate that built-in system accounts NOT be allowed to change their own passwords). Otherwise, ensure that the password expires by disabling the "Password never expires" option.

1. Open the "Administrative Tools" control panel
2. Click on "Active Directory Users and Computers"
3. Double-click on the desired user
4. Click on the "Account" tab
5. Uncheck "Password never expires".

This will address the following issue: CIFS Account Password Never Expires (cifs-acct-password-never-expires).

### *Download and install Microsoft patch msxml4-KB954430-enu.exe (5687304 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86), Microsoft Windows XP Professional SP3 OR SP2 (x86), Microsoft Windows XP Home SP3 OR SP2 (x86), Microsoft Windows Server 2003 SP2 OR SP1 (x86), Microsoft Windows Server 2003, Standard Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Enterprise Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Datacenter Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Web Edition SP2 OR SP1 (x86), Microsoft Windows Small Business Server 2003 SP2 OR SP1 (x86), Microsoft Windows Vista SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Home, Basic Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Home, Basic N Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Home, Premium Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Ultimate Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Enterprise Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Business Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Business N Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Vista Starter Edition SP2 OR SP1 OR < SP1 (x86), Microsoft Windows Server 2008 SP2 OR SP1 (x86), Microsoft Windows Server 2008 Enterprise Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Standard Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Datacenter Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 HPC Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Web Edition SP2 OR SP1 (x86), Microsoft Windows Server 2008 Storage Edition SP2 OR SP1 (x86), Microsoft Windows Small Business Server 2008 SP2 OR SP1 (x86), Microsoft Windows Essential Business Server 2008 SP2 OR SP1 (x86), Microsoft Windows 7 < SP1 (x86), Microsoft Windows 7 Home, Basic Edition < SP1 (x86), Microsoft Windows 7 Home, Basic N Edition < SP1 (x86), Microsoft Windows 7 Home, Premium Edition < SP1 (x86), Microsoft Windows 7 Home, Premium N Edition < SP1 (x86), Microsoft Windows 7 Ultimate Edition < SP1 (x86), Microsoft Windows 7 Ultimate N Edition < SP1 (x86), Microsoft Windows 7 Enterprise Edition < SP1 (x86), Microsoft Windows 7 Enterprise N Edition < SP1 (x86), Microsoft Windows 7 Professional Edition < SP1 (x86), Microsoft Windows 7 Starter Edition < SP1 (x86), Microsoft Windows 7 Starter N Edition < SP1 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/10/msxml4-kb954430-enu\\_c40d3e3035b8cea714f27532fea37c05b2d4dc65.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/10/msxml4-kb954430-enu_c40d3e3035b8cea714f27532fea37c05b2d4dc65.exe)

This will address the following issue: MS08-069: Vulnerabilities in Microsoft XML Core Services Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-069).

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## Remediation Plan

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### *Download and install Microsoft patch Windows2000-KB978706-x86-ENU.EXE (610040 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb978706-x86-enu\\_02c354a75659875f86026d18711b4bbaf3564b70.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2010/01/windows2000-kb978706-x86-enu_02c354a75659875f86026d18711b4bbaf3564b70.exe)

This will address the following issue: MS10-005: Vulnerability in Microsoft Paint Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS10-005).

### *Download and install Microsoft patch msxml6-KB954459-enu-x86.exe (952840 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86), Microsoft Windows XP Professional SP2 (x86), Microsoft Windows XP Home SP2 (x86), Microsoft Windows Server 2003 SP2 OR SP1 (x86), Microsoft Windows Server 2003, Standard Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Enterprise Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Datacenter Edition SP2 OR SP1 (x86), Microsoft Windows Server 2003, Web Edition SP2 OR SP1 (x86), Microsoft Windows Small Business Server 2003 SP2 OR SP1 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/msxml6-kb954459-enu-x86\\_f818f3b0c6795424cfd4ecf835e611dc2b56726f.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2008/09/msxml6-kb954459-enu-x86_f818f3b0c6795424cfd4ecf835e611dc2b56726f.exe)

This will address the following issue: MS08-069: Vulnerabilities in Microsoft XML Core Services Could Allow Remote Code Execution (WINDOWS-HOTFIX-MS08-069).

### *Download and install Microsoft patch Windows2000-KB974571-x86-ENU.EXE (513264 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windows2000-kb974571-x86-enu\\_f7677d6573a14877a8035c6740ca616ec8c76a7e.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/09/windows2000-kb974571-x86-enu_f7677d6573a14877a8035c6740ca616ec8c76a7e.exe)

This will address the following issue: MS09-056: Vulnerabilities in Windows CryptoAPI Could Allow Spoofing (WINDOWS-HOTFIX-MS09-056).

### *Download and install Microsoft patch Windows2000-KB941672-x86-ENU.EXE*

Estimated time: 15 minutes

Microsoft Windows 2000 Advanced Server SP4, Microsoft Windows 2000 Server SP4

Download and apply the patch from: <http://download.microsoft.com/download/0/3/f/03f6c957-38e3-4bff-9d66-6664f9eee8ee/Windows2000-KB941672-x86-ENU.EXE>

This will address the following issue: MS07-062: Vulnerability in DNS Could Allow Spoofing (941672) (WINDOWS-HOTFIX-MS07-062).

### *Download and install Microsoft patch Windows2000-KB974392-x86-ENU.EXE (930544 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb974392-x86-enu\\_2a916657f2a827dec5dc35e6e5def2b71e8ff6dc.exe](http://download.windowsupdate.com/msdownload/update/software/secu/2009/11/windows2000-kb974392-x86-enu_2a916657f2a827dec5dc35e6e5def2b71e8ff6dc.exe)

This will address the following issue: MS09-069: Vulnerability in Local Security Authority Subsystem Service Could Allow Denial of Service (WINDOWS-HOTFIX-MS09-069).

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## Remediation Plan

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### *Download and install Microsoft patch Windows2000-KB950974-x86-ENU.EXE (578272 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from:

[http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/07/windows2000-kb950974-x86-enu\\_6fbd9a467d506ced82c52c3caf3ecceacf1b7b23.exe](http://www.download.windowsupdate.com/msdownload/update/software/secu/2008/07/windows2000-kb950974-x86-enu_6fbd9a467d506ced82c52c3caf3ecceacf1b7b23.exe)

This will address the following issue: MS08-049: Vulnerabilities in Event System Could Allow Remote Code Execution (950974) (WINDOWS-HOTFIX-MS08-049).

### *Download and install Microsoft patch Windows2000-KB943485-x86-ENU.EXE (1197424 bytes)*

Estimated time: 30 minutes

Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb943485-x86-enu\\_6f7cafd337e5124ea1774cbd0a476c6bbcc18e32.exe](http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/windows2000-kb943485-x86-enu_6f7cafd337e5124ea1774cbd0a476c6bbcc18e32.exe)

This will address the following issue: MS08-002: Vulnerability in LSASS Could Allow Local Elevation of Privilege (943485) (WINDOWS-HOTFIX-MS08-002).

### *Install Microsoft service pack Windows 2000 Service Pack 4*

Estimated time: 2 hours

Microsoft Windows 2000 Professional, Microsoft Windows 2000 Datacenter Server, Microsoft Windows 2000 Server, Microsoft Windows 2000 Advanced Server

Download and apply the upgrade from: <http://support.microsoft.com/sp>

This will address the following issue: MS07-062: Vulnerability in DNS Could Allow Spoofing (941672) (WINDOWS-HOTFIX-MS07-062).

### *Set the minimum password length*

Estimated time: 15 minutes

Microsoft Windows 2000, Microsoft Windows 2000 Professional, Microsoft Windows 2000 Server, Microsoft Windows 2000 Advanced Server, Microsoft Windows 2000 Datacenter Server

1. Open the "Administrative Tools" control panel.
2. To change the domain-wide lockout policy, select "Domain Security Policy" (or "Domain Controller Security Policy" if the computer is a Domain Controller). Otherwise, to change the policy for this computer only, select "Local Security Policy."
3. Expand the "Account Policies" folder and select "Password Policy".
4. Set the Minimum Password Length. This setting enforces a minimum length for new or changed passwords. A value of 6 or higher is recommended.
5. Note that this policy does not affect existing passwords. It will only take effect when an existing user changes his password.

This will address the following issue: CIFS Minimum Password Length Policy Not Enforced (cifs-no-password-length-min).

### *Disable ICMP redirect support*

Estimated time: 45 minutes

Microsoft Windows 2000, Microsoft Windows 2000 Professional, Microsoft Windows 2000 Server, Microsoft Windows 2000 Advanced Server, Microsoft Windows 2000 Datacenter Server

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## Remediation Plan

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Open your registry editor (regedit.exe) and browse to:

HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters

1. First, add or modify a DWORD value named "EnableICMPRedirect", set it to 0.
2. Second, add or modify a DWORD value named "EnableICMPRedirects", set it to 0.

Notice that there are TWO values, one plural and one singular. Due to a bug in Windows 2000 prior to Service Pack 3, you should add both values, as it may not look for the appropriate variant. See <http://support.microsoft.com/default.aspx?scid=kb;en-us;Q293626> for more information.

This will address the following issue: Windows ICMP redirection enabled (WINDOWS-ICMP-REDIRECT).

### 3.1.2. For Microsoft IIS 5.0

These vulnerabilities can be resolved by performing the following 5 steps. The total estimated time to perform all of these steps is 22 hours 20 minutes.

#### *Use Basic Authentication over TLS/SSL (HTTPS)*

Estimated time: 8 hours

Enable HTTPS on the Web server. The TLS/SSL protocol will protect cleartext Basic Authentication credentials.

This will address 2 instances of the following issue: HTTP Basic Authentication Enabled (http-basic-auth-cleartext).

#### *Use Digest Authentication*

Estimated time: 8 hours

Replace Basic Authentication with the alternative Digest Authentication scheme. By modern cryptographic standards Digest Authentication is weak. But for a large range of purposes it is valuable as a replacement for Basic Authentication. It remedies some, but not all, weaknesses of Basic Authentication. See RFC 2617, section [4. Security Considerations](#) for more information.

This will address 2 instances of the following issue: HTTP Basic Authentication Enabled (http-basic-auth-cleartext).

#### *Disable Unnecessary IIS ISAPI Filters & Extensions*

Estimated time: 4 hours

Disable IIS ISAPI filters and extensions as explained in the documentation located on [Microsoft's website](#) (<http://www.microsoft.com/technet/archive/security/chklist/iis5cl.msp?mfr=true> ). Specifically, extensions for IDA, IDC, IDQ, HTR, HTW, and PRINTER extensions should be removed, along with anything else not in use.

This will address 8 instances of the following issue: Microsoft IIS ISAPI Services are Enabled (http-iis-isapi-services-enabled).

#### *Remove the default page or stop/disable the IIS server*

Estimated time: 20 minutes

If this server is required to provide necessary functionality, then the default page should be replaced with relevant content. Otherwise, this server should be removed from the network, following the security principle of minimum complexity.

If the server is not needed, it can be disabled in the following way: in the Services window of the Control Panel's Administrative Tools section, right-click on the 'World Wide Web Server' entry and select 'Stop'. Set its startup type to 'Manual' so that it does not restart if the machine is rebooted (this is done by selecting 'Properties' in the right-click menu).

This will address the following issue: Microsoft IIS default installation/welcome page installed (http-iis-default-install-page).

### *Disable HTTP TRACE Method for Microsoft IIS*

Estimated time: 2 hours

IIS, PWS, Microsoft-IIS, Internet Information Server, Internet Information Services, Microsoft-PWS

For Microsoft Internet Information Services (IIS), you may use the URLScan tool, freely available at

<http://www.microsoft.com/technet/security/tools/urlscan.msp>

This will address the following issue: HTTP TRACE Method Enabled (http-trace-method-enabled).

### **3.1.3. General**

These vulnerabilities can be resolved by performing the following 5 steps. The total estimated time to perform all of these steps is 2 hours.

### *Fix Windows NT/2000 Server DNS Cache Poisoning Vulnerability*

Estimated time: 15 minutes

On the affected machine, run the registry editor (regedit.exe) and browse to the following key:

HKEY\_LOCAL\_MACHINE\System\CurrentControlSet\Services\DNS\Parameters

Add a DWORD value named "SecureResponses", and set it to 1. Then restart the DNS server service.

This will address the following issue: Windows NT/2000 Server DNS Cache Poisoning Vulnerability (DNS-0013).

### *Download and install update 950582 or 953252 or 967715*

Estimated time: 1 hour

Download and apply the patch from: <http://support.microsoft.com/kb/967715>

Install one of the 3 updates documented in Microsoft Knowledge Base article 967715, that is security update 950582, or update 953252, or update 967715.

This will address the following issue: Microsoft KB967940: Correct "Disable Autorun Registry Key" Enforcement (windows-correct-autorun-disable).

### *Fix Microsoft Index Server Webhits.dll ASP Source Disclosure Vulnerability*

Estimated time: 15 minutes

Download and apply the patch from: <http://download.microsoft.com/download/winnfsp/Patch/MHH/ALPHA/EN-US/Q252463a.EXE>

Patches available:

- Microsoft Index Server 2.0 (alpha) - [Microsoft patch Q252463a](#).
- Microsoft Index Server 2.0 (x86) - [Microsoft patch Q252463i](#).
- Microsoft Windows 2000 - [Microsoft patch Q251170\\_W2K\\_SP1\\_X86\\_en](#).

This will address the following issue: Microsoft Index Server Webhits.dll ASP Source Disclosure Vulnerability (HTTP-IIS-0026).

### *Fix Windows display last username enabled*

Estimated time: 15 minutes

For all versions of Windows NT and Windows 2000/XP, you must take the following steps. Note that on Windows 2000, you must follow both steps 1 AND 2 -- there are two separate registry entries which must be set.

1. Open your registry editor (regedit.exe) and browse to the following registry key:

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HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon

Ensure that the "DontDisplayLastUserName" REG\_SZ value is set to "1". Please note that this is a REG\_SZ (string) value, not a DWORD.

2. Then, if you are running Windows 2000 or later, browse to the following registry key:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System

Ensure that the "DontDisplayLastUserName" REG\_DWORD value is set to "1". Please note that this is indeed a REG\_DWORD value, not a string.

In Windows 2000, this particular registry entry can be modified via the Local Security Policy control panel. Go to Administrative Tools, Local Security Policy. Expand the Local Policies folder, and choose the Security Options folder. Select the option titled "Do not display last user name in logon screen" and change it to "Enabled".

NOTE: Disabling the last username display will cause the Autologin feature not to work. However, the autologin feature poses serious security risks itself and therefore should be disabled as well. See Microsoft Knowledge Base article [Q159969 - AutoLogon Fails If DontDisplayLastUserName Is Also Enabled](http://support.microsoft.com/support/kb/articles/q159/9/69.asp) ( <http://support.microsoft.com/support/kb/articles/q159/9/69.asp> ) for more information.

This will address the following issue: Windows display last username enabled (WINDOWS-DISPLAY-LAST-USERNAME).

### *Fix Guest access allowed to Windows event logs*

Estimated time: 15 minutes

For each event log listed, find the following registry key:

HKEY\_LOCAL\_MACHINE\System\CurrentControlSet\Services\Eventlog\[logname]

Under this key, add a DWORD value named "RestrictGuestAccess" and set it to 1.

This will address the following issue: Guest access allowed to Windows event logs (windows-eventlog-guest-access).

### **3.1.4. For Microsoft Internet Explorer 5.01 SP4 on Microsoft Windows 2000 Server SP4**

These vulnerabilities can be resolved with a single step. The estimated time to perform this step is 30 minutes.

#### *Download and install Microsoft patch IE5.01sp4-KB938127-Windows2000sp4-x86-ENU.exe (1287056 bytes)*

Estimated time: 30 minutes

Microsoft Internet Explorer >= 5.0 and < 6.0 on Microsoft Windows 2000 SP4 (x86), Microsoft Windows 2000 Professional SP4 (x86), Microsoft Windows 2000 Server SP4 (x86), Microsoft Windows 2000 Advanced Server SP4 (x86), Microsoft Windows 2000 Datacenter Server SP4 (x86)

Download and apply the patch from: [http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/ie5.01sp4-kb938127-windows2000sp4-x86-enu\\_5cacb58a965df04e801a8bcd2f14afe8e596cc9.exe](http://www.download.windowsupdate.com/msdownload/update/v3-19990518/cabpool/ie5.01sp4-kb938127-windows2000sp4-x86-enu_5cacb58a965df04e801a8bcd2f14afe8e596cc9.exe)

This will address the following issue: MS07-050: Vulnerability in Vector Markup Language Could Allow Remote Code Execution (938127) (WINDOWS-HOTFIX-MS07-050).

### **3.1.5. For DNS**

These vulnerabilities can be resolved with a single step. The estimated time to perform this step is 30 minutes.

#### *Restrict Processing of Recursive Queries*

Estimated time: 30 minutes

Restrict the processing of recursive queries to only systems that should be allowed to use this nameserver.



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This will address the following issue: Nameserver Processes Recursive Queries (dns-processes-recursive-queries).