



Published on: 10/14/2009 12:00:00 AM UTC

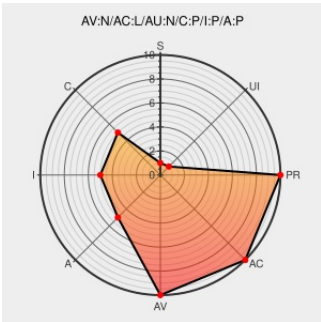
Last Modified on: 03/23/2021 11:25:31 PM UTC

# CVE-2009-2511

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF 

Certain versions of [Windows 2000](#) from [Microsoft](#) contain the following vulnerability:

Integer overflow in the CryptoAPI component in Microsoft Windows 2000 SP4, Windows XP SP2 and SP3, Windows Server 2003 SP2, Windows Vista Gold, SP1, and SP2, Windows Server 2008 Gold, SP2, and R2, and Windows 7 allows man-in-the-middle attackers to spoof arbitrary SSL servers and other entities via an X.509 certificate that

has a malformed ASN.1 Object Identifier (OID) and was issued by a legitimate Certification Authority, aka "Integer Overflow in X.509 Object Identifiers Vulnerability."

CVE-2009-2511 has been assigned by  secure@microsoft.com to track the vulnerability

CVSS2 Score: 7.5 - HIGH

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| NETWORK                | LOW               | NONE                |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| PARTIAL                | PARTIAL           | PARTIAL             |

## CVE References

| Description                                                                                        | Tags                                                                             | Link                                                                                                                       |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| US-CERT Technical Cyber Security Alert TA09-286A -- Microsoft Updates for Multiple Vulnerabilities | <div>US Government Resource</div> <div>www.us-cert.gov</div> <div>text/xml</div> |  CERT TA09-286A                       |
| Microsoft Security Bulletin MS09-056 - Important   Microsoft Docs                                  | <div>docs.microsoft.com</div> <div>text/html</div>                               |  MS MS09-056                          |
| Repository / Oval Repository                                                                       | <div>oval.cisecurity.org</div> <div>text/html</div>                              |  OVAL<br>oval.org.mitre.oval:def:6186 |

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There are currently no QIDs associated with this CVE

#### Known Affected Configurations (CPE V2.3)

| Type             | Vendor                    | Product                             | Version | Update | Edition | Language |
|------------------|---------------------------|-------------------------------------|---------|--------|---------|----------|
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 2000</a>        | All     | sp4    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 2000</a>        | All     | sp4    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 7</a>           | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 7</a>           | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2003</a> | All     | sp2    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2003</a> | All     | sp2    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | All    | itanium | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | All    | x32     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | All    | x64     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | r2     | itanium | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | r2     | x64     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | sp2    | itanium | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | sp2    | x32     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | sp2    | x64     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | All    | itanium | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | All    | x32     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | All    | x64     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | r2     | itanium | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows Server 2008</a> | All     | r2     | x64     | All      |

|                                                         |           |                     |     |     |                  |     |
|---------------------------------------------------------|-----------|---------------------|-----|-----|------------------|-----|
| Operating System                                        | Microsoft | Windows Server 2008 | All | sp2 | itanium          | All |
| Operating System                                        | Microsoft | Windows Server 2008 | All | sp2 | x32              | All |
| Operating System                                        | Microsoft | Windows Server 2008 | All | sp2 | x64              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | All | x64              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp1 | All              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp1 | x64              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp2 | All              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp2 | x64              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | All | x64              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp1 | All              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp1 | x64              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp2 | All              | All |
| Operating System                                        | Microsoft | Windows Vista       | All | sp2 | x64              | All |
| Operating System                                        | Microsoft | Windows Xp          | All | sp2 | All              | All |
| Operating System                                        | Microsoft | Windows Xp          | All | sp2 | professional_x64 | All |
| Operating System                                        | Microsoft | Windows Xp          | All | sp3 | All              | All |
| Operating System                                        | Microsoft | Windows Xp          | All | sp2 | All              | All |
| Operating System                                        | Microsoft | Windows Xp          | All | sp2 | professional_x64 | All |
| Operating System                                        | Microsoft | Windows Xp          | All | sp3 | All              | All |
| cpe:2.3:o:microsoft:windows_2000*:sp4:****.*.*:         |           |                     |     |     |                  |     |
| cpe:2.3:o:microsoft:windows_2000*:sp4:*****.*.*:        |           |                     |     |     |                  |     |
| cpe:2.3:o:microsoft:windows_7:-:*****.*.*.*:            |           |                     |     |     |                  |     |
| cpe:2.3:o:microsoft:windows_7:-:*****.*.*.*:            |           |                     |     |     |                  |     |
| cpe:2.3:o:microsoft:windows_server_2003*:sp2:*****.*.*: |           |                     |     |     |                  |     |

|                                                                |
|----------------------------------------------------------------|
| cpe:2.3:o:microsoft:windows_server_2003:*:*:*:*:*:             |
| cpe:2.3:o:microsoft:windows_server_2003:*:sp2:*:*:*:*:         |
| cpe:2.3:o:microsoft:windows_server_2008:*:*:itanium:*:*:*:*:   |
| cpe:2.3:o:microsoft:windows_server_2008:*:*:x32:*:*:*:*:       |
| cpe:2.3:o:microsoft:windows_server_2008:*:*:x64:*:*:*:*:       |
| cpe:2.3:o:microsoft:windows_server_2008:*:r2:itanium:*:*:*:*:  |
| cpe:2.3:o:microsoft:windows_server_2008:*:r2:x64:*:*:*:*:      |
| cpe:2.3:o:microsoft:windows_server_2008:*:sp2:itanium:*:*:*:*: |
| cpe:2.3:o:microsoft:windows_server_2008:*:sp2:x32:*:*:*:*:     |
| cpe:2.3:o:microsoft:windows_server_2008:*:sp2:x64:*:*:*:*:     |
| cpe:2.3:o:microsoft:windows_server_2008:*:*:itanium:*:*:*:*:   |
| cpe:2.3:o:microsoft:windows_server_2008:*:*:x32:*:*:*:*:       |
| cpe:2.3:o:microsoft:windows_server_2008:*:*:x64:*:*:*:*:       |
| cpe:2.3:o:microsoft:windows_server_2008:*:r2:itanium:*:*:*:*:  |
| cpe:2.3:o:microsoft:windows_server_2008:*:r2:x64:*:*:*:*:      |
| cpe:2.3:o:microsoft:windows_server_2008:*:sp2:itanium:*:*:*:*: |
| cpe:2.3:o:microsoft:windows_server_2008:*:sp2:x32:*:*:*:*:     |
| cpe:2.3:o:microsoft:windows_server_2008:*:sp2:x64:*:*:*:*:     |
| cpe:2.3:o:microsoft:windows_vista:*:*:x64:*:*:*:*:             |
| cpe:2.3:o:microsoft:windows_vista:*:sp1:*:*:*:*:               |
| cpe:2.3:o:microsoft:windows_vista:*:sp1:x64:*:*:*:*:           |
| cpe:2.3:o:microsoft:windows_vista:*:sp2:*:*:*:*:               |
| cpe:2.3:o:microsoft:windows_vista:*:sp2:x64:*:*:*:*:           |
| cpe:2.3:o:microsoft:windows_vista:*:*:x64:*:*:*:*:             |
| cpe:2.3:o:microsoft:windows_vista:*:sp1:*:*:*:*:               |
| cpe:2.3:o:microsoft:windows_vista:*:sp1:x64:*:*:*:*:           |
| cpe:2.3:o:microsoft:windows_vista:*:sp2:*:*:*:*:               |
| cpe:2.3:o:microsoft:windows_vista:*:sp2:x64:*:*:*:*:           |
| cpe:2.3:o:microsoft:windows_xp:*:sp2:*:*:*:*:                  |

|                                                                |                          |
|----------------------------------------------------------------|--------------------------|
| cpe:2.3:o:microsoft:windows_xp:*:sp2:professional_x64:*:*:*:*: |                          |
| cpe:2.3:o:microsoft:windows_xp:*:sp3:*:*:*:*:                  |                          |
| cpe:2.3:o:microsoft:windows_xp:*:sp2:*:*:*:*:                  |                          |
| cpe:2.3:o:microsoft:windows_xp:*:sp2:professional_x64:*:*:*:*: |                          |
| cpe:2.3:o:microsoft:windows_xp:*:sp3:*:*:*:*:                  |                          |
| No vendor comments have been submitted for this CVE            |                          |
| <a href="#">← Previous ID</a>                                  | <a href="#">Next ID→</a> |