

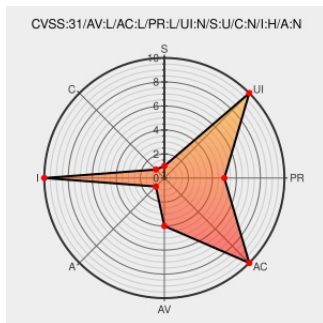


# CVE-2020-1464

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## CVE-2020-1464

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Windows 10](#) from [Microsoft](#) contain the following vulnerability:

A spoofing vulnerability exists when Windows incorrectly validates file signatures, aka 'Windows Spoofing Vulnerability'.

CVE-2020-1464 has been assigned by [secure@microsoft.com](mailto:secure@microsoft.com) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>HIGH</b>         | <b>NONE</b>         |

CVSS2 Score: **2.1 - LOW**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>LOCAL</b>           | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>PARTIAL</b>    | <b>NONE</b>         |

## CVE References

| Description                    | Tags                                                                                                                               | Link                    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>No Description Provided</b> | <a href="#">Patch</a><br><a href="#">Vendor Advisory</a><br><a href="#">portal.msrc.microsoft.com</a><br><a href="#">text/html</a> | <a href="#">N/A N/A</a> |

|                                                                                               |                                                                                                                            |                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Microsoft Put Off Fixing Zero Day for 2 Years — Krebs on Security                             | <a href="#">Third Party Advisory</a><br><a href="#">krebsonsecurity.com</a><br><a href="#">text/html</a>                   |  MISC <a href="https://krebsonsecurity.com/2020/08/microsoft-put-off-fixing-zero-day-for-2-years/">krebsonsecurity.com/2020/08/microsoft-put-off-fixing-zero-day-for-2-years/</a> |
| Distribution of malicious JAR appended to MSI files signed by third parties ~ VirusTotal Blog | <a href="#">Third Party Advisory</a><br><a href="#">blog.virustotal.com</a><br><a href="#">text/html</a>                   |  MISC <a href="https://blog.virustotal.com/2019/01/distribution-of-malicious-jar-appended.html">blog.virustotal.com/2019/01/distribution-of-malicious-jar-appended.html</a>      |
| GlueBall: The story of CVE-2020-1464   by Tal Be'ery   Aug, 2020   Medium                     | <a href="#">Exploit</a><br><a href="#">Third Party Advisory</a><br><a href="#">medium.com</a><br><a href="#">text/html</a> |  MISC <a href="https://medium.com/@TalBeerySec/glueball-the-story-of-cve-2020-1464-50091a1f98bd">medium.com/@TalBeerySec/glueball-the-story-of-cve-2020-1464-50091a1f98bd</a>    |

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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 10</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1607    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1709    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1803    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1809    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1903    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1909    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 2004    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1607    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1709    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1803    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1809    | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 10</a> | 1903    | All    | All     | All      |

| System           |           |                     |      |     |     |     |
|------------------|-----------|---------------------|------|-----|-----|-----|
| Operating System | Microsoft | Windows 10          | 1909 | All | All | All |
| Operating System | Microsoft | Windows 10          | 2004 | All | All | All |
| Operating System | Microsoft | Windows 7           | -    | sp1 | All | All |
| Operating System | Microsoft | Windows 7           | -    | sp1 | All | All |
| Operating System | Microsoft | Windows 8.1         | -    | All | All | All |
| Operating System | Microsoft | Windows 8.1         | -    | All | All | All |
| Operating System | Microsoft | Windows Rt 8.1      | -    | All | All | All |
| Operating System | Microsoft | Windows Rt 8.1      | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2008 | -    | sp2 | All | All |
| Operating System | Microsoft | Windows Server 2008 | r2   | sp1 | All | All |
| Operating System | Microsoft | Windows Server 2008 | -    | sp2 | All | All |
| Operating System | Microsoft | Windows Server 2008 | r2   | sp1 | All | All |
| Operating System | Microsoft | Windows Server 2012 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2012 | r2   | All | All | All |
| Operating System | Microsoft | Windows Server 2012 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2012 | r2   | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1903 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1909 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 2004 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1903 | All | All | All |
| Operating System | Microsoft | Windows Server 2016 | 1909 | All | All | All |

|                  |           |                                                               |      |     |     |     |
|------------------|-----------|---------------------------------------------------------------|------|-----|-----|-----|
| System           |           |                                                               |      |     |     |     |
| Operating System | Microsoft | Windows Server 2016                                           | 2004 | All | All | All |
| Operating System | Microsoft | Windows Server 2019                                           | -    | All | All | All |
| Operating System | Microsoft | Windows Server 2019                                           | -    | All | All | All |
|                  |           | cpe:2.3:o:microsoft:windows_10:-:*:*:*:*:*:                   |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1607:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1709:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1803:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1809:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1903:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1909:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:2004:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:-:*:*:*:*:*:                   |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1607:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1709:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1803:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1809:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1903:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:1909:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_10:2004:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:*:*:*:                |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:*:*:                  |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:*:*:                  |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_rt_8.1:-:*:*:*:*:*:               |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_rt_8.1:-:*:*:*:*:*:               |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_server_2008:-:sp2:*:*:*:*:*:      |      |     |     |     |
|                  |           | cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*:x64:*: |      |     |     |     |

No vendor comments have been submitted for this CVE

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