



# CVE-2019-1453

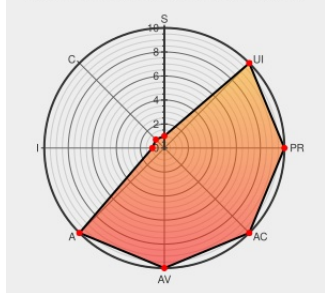
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## CVE-2019-1453

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



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

A denial of service vulnerability exists in Remote Desktop Protocol (RDP) when an attacker connects to the target system using RDP and sends specially crafted requests, aka 'Windows Remote Desktop Protocol (RDP) Denial of Service Vulnerability'.

CVE-2019-1453 has been assigned by [secure@microsoft.com](mailto:secure@microsoft.com) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **5 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>NONE</b>       | <b>PARTIAL</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="https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-1453">portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-1453</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>  | -       | 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 7</a>   | -       | sp1    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 7</a>   | -       | sp1    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 8.1</a> | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows 8.1</a> | -       | 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 | r2   | sp1 | All | All |
| Operating System                               | Microsoft | Windows Server 2008 | r2   | sp1 | All | All |
| Operating System                               | Microsoft | Windows Server 2008 | r2   | sp1 | 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 | 1803 | 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 | -    | All | All | All |
| Operating System                               | Microsoft | Windows Server 2016 | 1803 | 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 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:-:*:*:*:*:*:
```

```
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_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:r2:sp1:*:*:*:itanium:*:
```

```
cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:x86:*
```

```
cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:itanium:*:
```

```
cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:x86:*
```

```
cpe:2.3:o:microsoft:windows_server_2012:-:*:*:*:*:*:
```

```
cpe:2.3:o:microsoft:windows_server_2012:r2:*:*:*:*:*:*
```

```
cpe:2.3:o:microsoft:windows_server_2012:-:*:*:*:*:*:
```

```
cpe:2.3:o:microsoft:windows_server_2012:r2:*:*:*:*:*:*
```

```
cpe:2.3:o:microsoft:windows_server_2016:-:*:*:*:*:*:
```

```
cpe:2.3:o:microsoft:windows_server_2016:1803:*:*:*:*:*.*
```

```
cpe:2.3:o:microsoft:windows_server_2016:1903:*:*:*:*.*.*
```

```
cpe:2.3:o:microsoft:windows_server_2016:1909:*:*:*:*:*.*
```

|                                                         |
|---------------------------------------------------------|
| cpe:2.3:o:microsoft:windows_server_2016:-:*:*:*:*:*:    |
| cpe:2.3:o:microsoft:windows_server_2016:1803:*:*:*:*:*: |
| cpe:2.3:o:microsoft:windows_server_2016:1903:*:*:*:*:*: |
| cpe:2.3:o:microsoft:windows_server_2016:1909:*:*:*:*:*: |
| cpe:2.3:o:microsoft:windows_server_2019:-:*:*:*:*:*:    |
| cpe:2.3:o:microsoft:windows_server_2019:-:*:*:*:*:*:    |

No vendor comments have been submitted for this CVE

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