

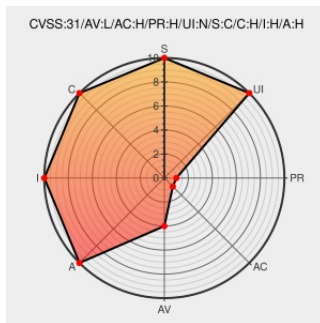


# CVE-2020-14649

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## CVE-2020-14649

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

Certain versions of [Leap](#) from [Opensuse](#) contain the following vulnerability:

Vulnerability in the Oracle VM VirtualBox product of Oracle Virtualization (component: Core). Supported versions that are affected are Prior to 5.2.44, prior to 6.0.24 and prior to 6.1.12. Difficult to exploit vulnerability allows high privileged attacker with logon to the infrastructure where Oracle VM VirtualBox executes to compromise

Oracle VM VirtualBox. While the vulnerability is in Oracle VM VirtualBox, attacks may significantly impact additional products. Successful attacks of this vulnerability can result in takeover of Oracle VM VirtualBox. CVSS 3.1 Base Score 7.5 (Confidentiality, Integrity and Availability impacts). CVSS Vector: (CVSS:3.1/AV:L/AC:H/PR:H/UI:N/S:C/C:H/I:H/A:H).

CVE-2020-14649 has been assigned by [secalert\\_us@oracle.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Oracle Corporation - VM VirtualBox** version < **5.2.44**

Affected Vendor/Software: **Oracle Corporation - VM VirtualBox** version < **6.0.24**

Affected Vendor/Software: **Oracle Corporation - VM VirtualBox** version < **6.1.12**

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **4.4 - MEDIUM**

| Access Vector | Access Complexity | Authentication |
|---------------|-------------------|----------------|
| <b>LOCAL</b>  | <b>MEDIUM</b>     | <b>NONE</b>    |

| Confidentiality Impact | Integrity Impact | Availability Impact |
|------------------------|------------------|---------------------|
| PARTIAL                | PARTIAL          | PARTIAL             |

CVE References

| Description                                                              | Tags                                                                                                           | Link                                                                                                                                                                                                             |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oracle Critical Patch Update Advisory - July 2020                        | <div>Vendor Advisory</div> <div>www.oracle.com</div> <div>text/html</div>                                      |  MISC <a href="https://www.oracle.com/security-alerts/cpujul2020.html">www.oracle.com/security-alerts/cpujul2020.html</a>     |
| VirtualBox: Multiple vulnerabilities (GLSA 202101-09) — Gentoo security  | <div>Third Party Advisory</div> <div>security.gentoo.org</div> <div>text/html</div>                            |  GENTOO GLSA-202101-09                                                                                                        |
| ZDI-20-891   Zero Day Initiative                                         | <div>Third Party Advisory</div> <div>VDB Entry</div> <div>www.zerodayinitiative.com</div> <div>text/html</div> |  MISC <a href="https://www.zerodayinitiative.com/advisories/ZDI-20-891/">www.zerodayinitiative.com/advisories/ZDI-20-891/</a> |
| [security-announce] openSUSE-SU-2020:1486-1: moderate: Security update f | <div>Mailing List</div> <div>Third Party Advisory</div> <div>lists.opensuse.org</div> <div>text/html</div>     |  SUSE openSUSE-SU-2020:1486                                                                                                   |
| [security-announce] openSUSE-SU-2020:1511-1: important: Security update  | <div>Mailing List</div> <div>Third Party Advisory</div> <div>lists.opensuse.org</div> <div>text/html</div>     |  SUSE openSUSE-SU-2020:1511                                                                                                   |

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Related QID Numbers

690525 Free Berkeley Software Distribution (FreeBSD) Security Update for virtualbox (1e7b316b-c6a8-11ea-a7d5-001999f8d30b)

Known Affected Configurations (CPE V2.3)

| Type             | Vendor   | Product       | Version | Update | Edition | Language |
|------------------|----------|---------------|---------|--------|---------|----------|
| Operating System | Opensuse | Leap          | 15.1    | All    | All     | All      |
| Operating System | Opensuse | Leap          | 15.2    | All    | All     | All      |
| Operating System | Opensuse | Leap          | 15.1    | All    | All     | All      |
| Operating System | Opensuse | Leap          | 15.2    | All    | All     | All      |
| Application      | Oracle   | Vm Virtualbox | All     | All    | All     | All      |
| Application      | Oracle   | Vm Virtualbox | All     | All    | All     | All      |

cpe:2.3:o:opensuse:leap:15.1:\*\*\*\*\*:

|                                       |
|---------------------------------------|
| cpe:2.3:o:opensuse:leap:15.2:*****:   |
| cpe:2.3:o:opensuse:leap:15.1:*****:   |
| cpe:2.3:o:opensuse:leap:15.2:*****:   |
| cpe:2.3:a:oracle:vm_virtualbox:*****: |
| cpe:2.3:a:oracle:vm_virtualbox:*****: |

No vendor comments have been submitted for this CVE

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