



CVE-2019-3031

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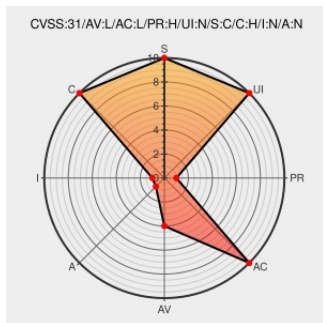
CVE-2019-3031

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Vm Virtualbox](#) from [Oracle](#) contain the following vulnerability:

Vulnerability in the Oracle VM VirtualBox product of Oracle Virtualization (component: Core). Supported versions that are affected are Prior to 5.2.34 and prior to 6.0.14. Easily exploitable 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 unauthorized access to critical data or complete access to all Oracle VM VirtualBox accessible data. CVSS 3.0 Base Score 6.0 (Confidentiality impacts). CVSS Vector: (CVSS:3.0/AV:L/AC:L/PR:H/UI:N/S:C/C:H/I:N/A:N).

CVE-2019-3031 has been assigned by [secalert_us@oracle.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [Oracle Corporation](#) - **VM VirtualBox** version < 5.2.34

Affected Vendor/Software: [Oracle Corporation](#) - **VM VirtualBox** version < 6.0.14

CVSS3 Score: **6 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	HIGH	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
CHANGED	HIGH	NONE	NONE

CVSS2 Score: **2.1 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality	Integrity	Availability

Impact

PARTIAL

Impact

NONE

Impact

NONE

CVE References

Description	Tags	Link
VirtualBox: Multiple vulnerabilities (GLSA 202004-02) — Gentoo security	Third Party Advisory security.gentoo.org text/html	 GENTOO GLSA-202004-02
Oracle Critical Patch Update Advisory - October 2019	Patch Vendor Advisory www.oracle.com text/html	 MISC www.oracle.com/technetwork/security-advisory/cpuoct2019-5072832.html
VirtualBox: Multiple vulnerabilities (GLSA 202101-09) — Gentoo security	Third Party Advisory security.gentoo.org text/html	 GENTOO GLSA-202101-09
ZDI-19-918 Zero Day Initiative	Third Party Advisory VDB Entry www.zerodayinitiative.com text/html	 MISC www.zerodayinitiative.com/advisories/ZDI-19-918/

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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
Application	Oracle	Vm Virtualbox	All	All	All	All
Application	Oracle	Vm Virtualbox	All	All	All	All

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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