



# CVE-2017-8106

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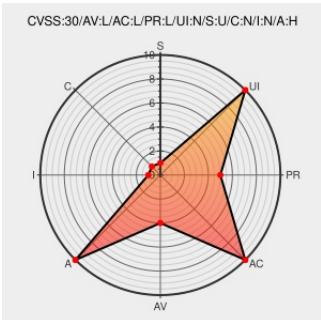
## CVE-2017-8106

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Linux Kernel](#) from [Linux](#) contain the following vulnerability:

The `handle_invept` function in `arch/x86/kvm/vmx.c` in the Linux kernel 3.12 through 3.15 allows privileged KVM guest OS users to cause a denial of service (NULL pointer dereference and host OS crash) via a single-context INVEPT instruction with a NULL EPT pointer.

CVE-2017-8106 has been assigned by [M](#) `cve@mitre.org` to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

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

CVSS2 Score: **4.9 - MEDIUM**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	COMPLETE

## CVE References

Description	Tags	Link
195167 – INVEPT might crash the host	<a href="#">Issue Tracking</a> <a href="#">bugzilla.kernel.org</a> <a href="#">text/html</a>	MISC <a href="https://bugzilla.kernel.org/show_bug.cgi?id=195167">bugzilla.kernel.org/show_bug.cgi?id=195167</a>
Bug #1678676 "linux_3.13.0-*.nVMX: Check current_vmcs12 befor...": Bugs :	<a href="#">Issue Tracking</a>	MISC

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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="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.1	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.10	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.11	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.12	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.13	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.14	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.15	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.16	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.17	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.18	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.19	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.2	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.20	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.21	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.22	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	3.12.23	All	All	All

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No vendor comments have been submitted for this CVE

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[Next ID→](#)

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