CVE-2020-27173

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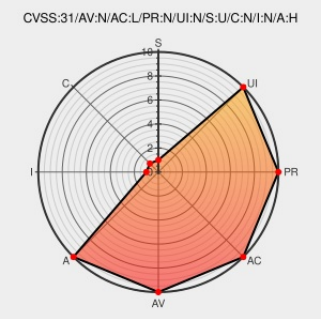

Certain versions of Vm-superio from Vm-superio Project contain the following vulnerability:

In vm-superio before 0.1.1, the serial console FIFO can grow to unlimited memory usage when data is sent to the input source (i.e., standard input). This behavior cannot be reproduced from the guest side. When no rate limiting is in place, the host can be subject to memory pressure, impacting all other VMs running on the same host.

CVE-2020-27173 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.5 - HIGH

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

CVSS2 Score: 5 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Fix for #17 - v0.1.1_release branch by andreeaflorescu · Pull Request #19 · rust-vmm/vm-superio · GitHub	Patch, Third Party Advisory, github.com	MISC github.com/rust-vmm/vm-superio/pull/19

	text/html	
Implementation of the serial console may allocate an unbounded amount of memory · Issue #17 · rust-vmm/vm-superio · GitHub	Third Party Advisory github.com text/html	MISC github.com/rust-vmm/vm-superio/issues/17

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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	Vm-superio Project	Vm-superio	All	All	All	All
Application	Vm-superio Project	Vm-superio	All	All	All	All

cpe:2.3:a:vm-superio_project:vm-superio:*:*:*:*:*:*:*:*:

cpe:2.3:a:vm-superio_project:vm-superio:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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