



# CVE-2020-12967

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## Summary

<b>CVE</b>	CVE-2020-12967
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@amd.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-05-13 12:15:00 UTC
<b>Updated</b>	2021-05-25 14:51:00 UTC
<b>Description</b>	The lack of nested page table protection in the AMD SEV/SEV-ES feature could potentially lead to arbitrary code execution

## Risk And Classification

### Problem Types: CWE-77

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7232p</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7251</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7252</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7261</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7262</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7272</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7281</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7282</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 72f3</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7301</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7302</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7302p</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7313</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7313p</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7343</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7351</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7351p</a>	-	All	All	All

Hardware	Amd	Epyc 7352	-	All	All	All
Hardware	Amd	Epyc 7371	-	All	All	All
Hardware	Amd	Epyc 73f3	-	All	All	All
Hardware	Amd	Epyc 7401	-	All	All	All
Hardware	Amd	Epyc 7401p	-	All	All	All
Hardware	Amd	Epyc 7402	-	All	All	All
Hardware	Amd	Epyc 7402p	-	All	All	All
Hardware	Amd	Epyc 7413	-	All	All	All
Hardware	Amd	Epyc 7443	-	All	All	All
Hardware	Amd	Epyc 7443p	-	All	All	All
Hardware	Amd	Epyc 7451	-	All	All	All
Hardware	Amd	Epyc 7452	-	All	All	All
Hardware	Amd	Epyc 7453	-	All	All	All
Hardware	Amd	Epyc 74f3	-	All	All	All
Hardware	Amd	Epyc 7501	-	All	All	All
Hardware	Amd	Epyc 7502	-	All	All	All
Hardware	Amd	Epyc 7502p	-	All	All	All
Hardware	Amd	Epyc 7513	-	All	All	All
Hardware	Amd	Epyc 7532	-	All	All	All
Hardware	Amd	Epyc 7542	-	All	All	All
Hardware	Amd	Epyc 7543	-	All	All	All
Hardware	Amd	Epyc 7543p	-	All	All	All
Hardware	Amd	Epyc 7551	-	All	All	All
Hardware	Amd	Epyc 7551p	-	All	All	All
Hardware	Amd	Epyc 7552	-	All	All	All
Hardware	Amd	Epyc 75f3	-	All	All	All
Hardware	Amd	Epyc 7601	-	All	All	All
Hardware	Amd	Epyc 7642	-	All	All	All
Hardware	Amd	Epyc 7643	-	All	All	All
Hardware	Amd	Epyc 7662	-	All	All	All
Hardware	Amd	Epyc 7663	-	All	All	All
Hardware	Amd	Epyc 7702	-	All	All	All
Hardware	Amd	Epyc 7702p	-	All	All	All
Hardware	Amd	Epyc 7713	-	All	All	All
Hardware	Amd	Epyc 7713p	-	All	All	All

Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7742</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7763</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7f32</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7f52</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7f72</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7h12</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc Embedded 3101</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc Embedded 3151</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc Embedded 3201</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc Embedded 3251</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc Embedded 3255</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc Embedded 3351</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc Embedded 3451</a>	-	All	All	All

## References

Reference	Source	Link	Tags
<a href="http://www.amd.com/en/corporate/product-security/bulletin/amd-sb-1004">www.amd.com/en/corporate/product-security/bulletin/amd-sb-1004</a>	MISC	<a href="http://www.amd.com">www.amd.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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