



# CVE-2021-26318

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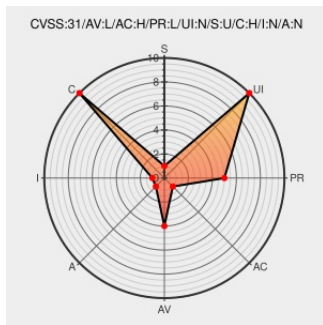
Last Modified on: 10/20/2021 06:29:00 PM UTC

## CVE-2021-26318 - advisory for AMD-SB-1017

[Source: Mitre](#)

[Source: Nist](#)

[Print: PDF](#)



Certain versions of [Athlon](#) from [Amd](#) contain the following vulnerability:

A timing and power-based side channel attack leveraging the x86 PREFETCH instructions on some AMD CPUs could potentially result in leaked kernel address space information.

CVE-2021-26318 has been assigned by psirt@amd.com to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: **AMD - All supported processors** version <

CVSS3 Score: **4.7 - MEDIUM**

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

CVSS2 Score: **1.9 - LOW**

Access Vector	Access Complexity	Authentication
<b>LOCAL</b>	<b>MEDIUM</b>	<b>NONE</b>
Confidentiality Impact	Integrity Impact	Availability Impact
<b>PARTIAL</b>	<b>NONE</b>	<b>NONE</b>

## CVE References

Description	Tags	Link
<b>No Description Provided</b>	<a href="#">www.amd.com</a>	<a href="http://www.amd.com/en/corporate/product-security/bulletin/amd-sb-1017">www.amd.com/en/corporate/product-security/bulletin/amd-sb-1017</a>
	<b>Inactive Link</b> <b>Not Archived</b>	

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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
Hardware	<a href="#">Amd</a>	<a href="#">Athlon</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Athlon Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Athlon Pro</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Athlon Pro Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Firmware</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen Pro</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen Pro Firmware</a>	-	All	All	All
<input type="text" value="cpe:2.3:h:amd:athlon:-:*:*:*:*:*:*"/>						
<input type="text" value="cpe:2.3:o:amd:athlon_firmware:-:*:*:*:*:*"/>						
<input type="text" value="cpe:2.3:h:amd:athlon_pro:-:*:*:*:*:*"/>						
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<input type="text" value="cpe:2.3:h:amd:epyc:-:*:*:*:*:*"/>						
<input type="text" value="cpe:2.3:o:amd:epyc_firmware:-:*:*:*:*:*"/>						
<input type="text" value="cpe:2.3:h:amd:ryzen:-:*:*:*:*:*"/>						
<input type="text" value="cpe:2.3:o:amd:ryzen_firmware:-:*:*:*:*:*"/>						
<input type="text" value="cpe:2.3:h:amd:ryzen_pro:-:*:*:*:*:*"/>						
<input type="text" value="cpe:2.3:o:amd:ryzen_pro_firmware:-:*:*:*:*:*"/>						

No vendor comments have been submitted for this CVE

## Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-26318 : A timing and power-based side channel attack leveraging the x86 PREFETCH instructions on some AMD... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2021-10-13 19:06:59
 @torresariass	Random question for my CVE followers: would CVE-2021-26318 ever get a CPE? how does one track this?	2021-10-13 20:56:16

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