

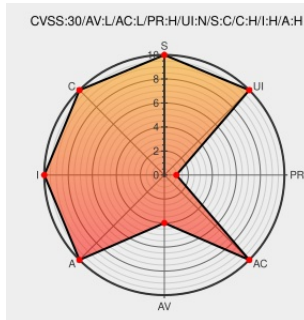


CVE-2021-31429

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CVE-2021-31429

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Parallels Desktop](#) from [Parallels](#) contain the following vulnerability:

This vulnerability allows local attackers to escalate privileges on affected installations of Parallels Desktop 15.1.5-47309. An attacker must first obtain the ability to execute high-privileged code on the target guest system in order to exploit this vulnerability. The specific flaw exists within the IDE virtual device. The issue results from the lack of proper validation of the length of user-supplied data prior to copying it to a fixed-length heap-based buffer. An attacker can leverage this vulnerability to escalate privileges and execute arbitrary code in the context of the hypervisor. Was ZDI-CAN-13187.

CVE-2021-31429 has been assigned by zdi-disclosures@trendmicro.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **Parallels - Desktop** version **15.1.5-47309**

CVSS3 Score: **8.2 - HIGH**

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

CVSS2 Score: **4.6 - MEDIUM**

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

CVE References

Description	Tags	Link
KB Parallels: Parallels Desktop Security Updates	kb.parallels.com text/html	 MISC kb.parallels.com/en/125013
ZDI-21-437 Zero Day Initiative	www.zerodayinitiative.com text/html	 MISC www.zerodayinitiative.com/advisories/ZDI-21-437/

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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	Parallels	Parallels Desktop	15.1.5-47309	All	All	All

cpe:2.3:a:parallels:parallels_desktop:15.1.5-47309:*****:

Discovery Credit

Reno Robert of Trend Micro Zero Day Initiative

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-31429 : This vulnerability allows local attackers to escalate privileges on affected installations of Para... twitter.com/i/web/status/1...	2021-04-29 16:38:02
 /r/netcve	CVE-2021-31429	2021-04-29 17:41:15

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