CVE-2019-14359

Published on: 08/12/2019 12:00:00 AM UTC

Last Modified on: 07/21/2021 11:39:00 AM UTC

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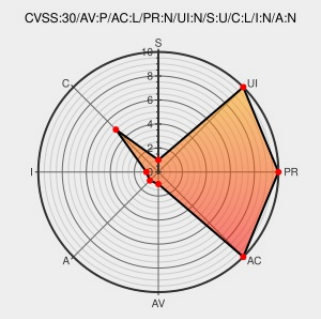
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Bc Vault from Real-sec contain the following vulnerability:

** DISPUTED ** On BC Vault devices, a side channel for the row-based SSD1309 OLED display was found. The power consumption of each row-based display cycle depends on the number of illuminated pixels, allowing a partial recovery of display contents. For example, a hardware implant in the USB cable might be able to leverage this behavior to recover a data value. In other words, the side channel is relevant only if the attacker has enough control over the device's USB connection to make power-consumption measurements at a time when secret data is displayed. The side channel is not relevant in other circumstances, such as a stolen device that is not currently displaying secret data. NOTE: the vendor's position is that there is no security impact: the only potentially leaked information is the number of characters in the PIN.

CVE-2019-14359 has been assigned by cve@mitre.org to track the vulnerability - currently rated as LOW severity.

CVSS3 Score: 2.4 - LOW

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

CVSS2 Score: 2.1 - LOW

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

CVE References

Description	Tags	Link
Our Response to CVE – 2019 – 14359 - BC Vault	Exploit Third Party Advisory bc-vault.com text/html	MISC bc-vault.com/2019/08/our-response-to-cve-2019-14359

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Real-sec	Bc Vault	-	All	All	All
Hardware	Real-sec	Bc Vault	-	All	All	All
Operating System	Real-sec	Bc Vault Firmware	-	All	All	All
Operating System	Real-sec	Bc Vault Firmware	-	All	All	All

cpe:2.3:h:real-sec:bc_vault:-:*:*:*:*:*:*:*:

cpe:2.3:h:real-sec:bc_vault:-:*:*:*:*:*:*:*:

cpe:2.3:o:real-sec:bc_vault_firmware:-:*:*:*:*:*:*:*:

cpe:2.3:o:real-sec:bc_vault_firmware:-:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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