



CVE-2019-5178

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CVE-2019-5178

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Pfc200](#) from [Wago](#) contain the following vulnerability:

An exploitable stack buffer overflow vulnerability exists in the iocheckd service 'I/O-Check' functionality of WAGO PFC 200 Firmware version 03.02.02(14). An attacker can send a specially crafted packet to trigger the parsing of this cache file. The destination buffer sp+0x440 is overflowed with the call to sprintf() for any hostname values that are greater than 1024-len('/etc/config-tools/change_hostname hostname=') in length. A hostname value of length 0x3fd will cause the service to crash.

CVE-2019-5178 has been assigned by [talos-cna@cisco.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [Wago](#) - **WAGO PFC200** version **Firmware version 03.02.02(14)**

CVSS3 Score: **7.8 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	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
TALOS-2019-0963 Cisco Talos Intelligence Group - Comprehensive Threat Intelligence	Exploit Technical Description Third Party Advisory talosintelligence.com text/html	 MISC talosintelligence.com/vulnerability_reports/TALOS-2019-0963

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Related QID Numbers

591135 WAGO PFC200 iocheckd service "I/O-Check" cache Multiple Code Execution Multiple Vulnerabilities (TALOS-2019-0963)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware 	Wago	Pfc200	-	All	All	All
Hardware 	Wago	Pfc200	-	All	All	All
Operating System	Wago	Pfc200 Firmware	03.02.02(14)	All	All	All
Operating System	Wago	Pfc200 Firmware	03.02.02(14\)	All	All	All
Operating System	Wago	Pfc200 Firmware	03.02.02(14\)	All	All	All
cpe:2.3:h:wago:pfc200:-:*****:						
cpe:2.3:h:wago:pfc200:-:*****:						
cpe:2.3:o:wago:pfc200_firmware:03.02.02(14):*****:						
cpe:2.3:o:wago:pfc200_firmware:03.02.02(14\):*****:						
cpe:2.3:o:wago:pfc200_firmware:03.02.02(14\):*****:						

No vendor comments have been submitted for this CVE

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Next ID→

