

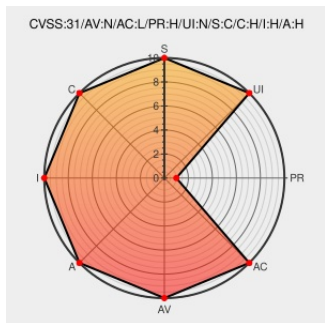


CVE-2022-29897

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CVE-2022-29897 - advisory for VDE-2022-018

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

Certain versions of [Rad-ism-900-en-bd](#) from [Phoenixcontact](#) contain the following vulnerability:

On various RAD-ISM-900-EN-* devices by PHOENIX CONTACT an admin user could use the traceroute utility integrated in the WebUI to execute arbitrary code with root privileges on the OS due to an improper input validation in all versions of the firmware.

CVE-2022-29897 has been assigned by [cert](#) info@cert.vde.com to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [cert](#) **PHOENIX CONTACT - RAD-ISM-900-EN-BD/B version = All Versions**

Affected Vendor/Software: [cert](#) **PHOENIX CONTACT - RAD-ISM-900-EN-BD version = All Versions**

Affected Vendor/Software: [cert](#) **PHOENIX CONTACT - RAD-ISM-900-EN-BD-BUS version = All Versions**

CVSS3 Score: **9.1 - CRITICAL**

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

CVSS2 Score: **9 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	Integrity Impact	Availability Impact
COMPLETE	COMPLETE	COMPLETE

CVE References

Description

Tags

Link

VDE-2022-018 | CERT@VDE

cert.vde.com

text/html

CONFIRM cert.vde.com/en/advisories/VDE-2022-018/

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Related QID Numbers

591316 Phoenix Contact RAD-ISM-900-EN-BD devices Multiple Vulnerabilities (VDE-2022-018)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware  	Phoenixcontact	Rad-ism-900-en-bd	-	All	All	All
Hardware  	Phoenixcontact	Rad-ism-900-en-bd-bus	-	All	All	All
Operating System	Phoenixcontact	Rad-ism-900-en-bd-bus Firmware	All	All	All	All
Hardware  	Phoenixcontact	Rad-ism-900-en-bd/b	-	All	All	All
Operating System	Phoenixcontact	Rad-ism-900-en-bd/b Firmware	All	All	All	All
Operating System	Phoenixcontact	Rad-ism-900-en-bd Firmware	All	All	All	All
cpe:2.3:h:phoenixcontact:rad-ism-900-en-bd:-:*~::~:						
cpe:2.3:h:phoenixcontact:rad-ism-900-en-bd-bus:-:*~::~:						
cpe:2.3:o:phoenixcontact:rad-ism-900-en-bd-bus_firmware:*~::~:						
cpe:2.3:h:phoenixcontact:rad-ism-900-en-bd\b:-:*~::~:						
cpe:2.3:o:phoenixcontact:rad-ism-900-en-bd\b_firmware:*~::~:						
cpe:2.3:o:phoenixcontact:rad-ism-900-en-bd_firmware:*~::~:						

Discovery Credit

The vulnerabilities were discovered and reported by Logan Carpenter of DRAGOS.

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-29897 : On various RAD-ISM-900-EN-* devices by PHOENIX CONTACT an admin user could use the traceroute util... twitter.com/i/web/status/1...	2022-05-11 14:36:27
 @LinInfoSec	Phoenix - CVE-2022-29897: cert.vde.com/en/advisories/...	2022-05-11 17:06:55

 @threatmeter	CVE-2022-29897 Phoenix Contact RAD-ISM-900-EN WebUI input validation (VDE-2022-018) A vulnerability, which was cl... twitter.com/i/web/status/1...	2022-05-12 07:08:55
 /r/netcve	CVE-2022-29897	2022-05-11 15:39:17

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