

# VDE-2024-039: Phoenix Contact: Multiple Vulnerabilities in mGuard devices

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Initial release date: Tue Sep 10 12:00:00 CEST 2024	Engine: 2.5.11
Current release date: Tue Sep 10 12:00:00 CEST 2024	Build Date: Tue Sep 03 12:42:06 CEST 2024
Current version: 1	Status: FINAL
CVSSv3.1 Base Score: 8.8	Severity: <a href="#">high</a>
Original language:	Language: en-US
Also referred to: VDE-2024-039, PCSA-2024/00008	

## Summary

Confidential data in HTTP query string of user requests. Incomplete sanitation of user input in administrative web interface.

## General Recommendation

For general information and recommendations on security measures refer to the [mGuard documentation](#)

## Impact

Attackers can gain knowledge of confidential user data. Attackers can escalate their privileges on the system. Attackers can trigger covert misbehavior within several services.

## Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

## Remediation

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes these vulnerabilities.

## Product Description

mGuards are industrial routers and security appliances

## Summary

Confidential data in HTTP query string of user requests. Incomplete sanitation of user input in administrative web interface.

# Product groups

## Affected Products.

- Firmware < 8.9.3 installed on FL MGuard RS2000 TX/TX VPN
- Firmware < 8.9.3 installed on FL MGuard RS2005 TX VPN
- Firmware < 8.9.3 installed on TC MGuard RS2000 3G VPN
- Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX
- Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX VPN
- Firmware < 8.9.3 installed on FL MGuard RS4004 TX/DTX
- Firmware < 8.9.3 installed on FL MGuard RS4004 TX/DTX VPN
- Firmware < 8.9.3 installed on TC MGuard RS4000 3G VPN
- Firmware < 8.9.3 installed on FL MGuard RS2000 TX/TX-B
- Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX-P
- Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX-M
- Firmware < 8.9.3 installed on FL MGuard PCI4000
- Firmware < 8.9.3 installed on FL MGuard PCI4000 VPN
- Firmware < 8.9.3 installed on FL MGuard PCIE4000
- Firmware < 8.9.3 installed on FL MGuard PCIE4000 VPN
- Firmware < 8.9.3 installed on FL MGuard DELTA TX/TX
- Firmware < 8.9.3 installed on FL MGuard DELTA TX/TX VPN
- Firmware < 8.9.3 installed on FL MGuard SMART2
- Firmware < 8.9.3 installed on FL MGuard SMART2 VPN
- Firmware < 8.9.3 installed on FL MGuard CORE TX
- Firmware < 8.9.3 installed on FL MGuard CORE TX VPN
- Firmware < 8.9.3 installed on TC MGuard RS2000 4G VPN
- Firmware < 8.9.3 installed on TC MGuard RS4000 4G VPN
- Firmware < 8.9.3 installed on TC MGuard RS4000 4G VZW VPN
- Firmware < 8.9.3 installed on TC MGuard RS2000 4G VZW VPN
- Firmware < 8.9.3 installed on TC MGuard RS4000 4G ATT VPN
- Firmware < 8.9.3 installed on TC MGuard RS2000 4G ATT VPN
- Firmware < 8.9.3 installed on FL MGuard GT/GT
- Firmware < 8.9.3 installed on FL MGuard GT/GT VPN
- Firmware < 8.9.3 installed on FL MGuard CENTERPORT
- Firmware < 8.9.3 installed on FL MGuard CENTERPORT VPN-1000
- Firmware < 10.4.1 installed on FL MGuard 2102
- Firmware < 10.4.1 installed on FL MGuard 2105
- Firmware < 10.4.1 installed on FL MGuard 4302
- Firmware < 10.4.1 installed on FL MGuard 4305
- Firmware < 10.4.1 installed on FL MGuard 4102 PCIE
- Firmware < 10.4.1 installed on FL MGuard 4102 PCI

## Fixed Products.

- Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN
- Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN
- Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN
- Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX
- Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN
- Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX
- Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN
- Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN
- Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B
- Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P
- Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M
- Firmware 8.9.3 installed on FL MGUARD PCI4000
- Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN
- Firmware 8.9.3 installed on FL MGUARD PCIE4000
- Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN
- Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX
- Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN
- Firmware 8.9.3 installed on FL MGUARD SMART2
- Firmware 8.9.3 installed on FL MGUARD SMART2 VPN
- Firmware 8.9.3 installed on FL MGUARD CORE TX
- Firmware 8.9.3 installed on FL MGUARD CORE TX VPN
- Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN
- Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN
- Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN
- Firmware 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN
- Firmware 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN
- Firmware 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN
- Firmware 8.9.3 installed on FL MGUARD GT/GT
- Firmware 8.9.3 installed on FL MGUARD GT/GT VPN
- Firmware 8.9.3 installed on FL MGUARD CENTERPORT
- Firmware 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000
- Firmware 10.4.1 installed on FL MGUARD 2102
- Firmware 10.4.1 installed on FL MGUARD 2105
- Firmware 10.4.1 installed on FL MGUARD 4302
- Firmware 10.4.1 installed on FL MGUARD 4305
- Firmware 10.4.1 installed on FL MGUARD 4102 PCIE
- Firmware 10.4.1 installed on FL MGUARD 4102 PCI

## Vulnerabilities

### CVE-2024-7698 (CVE-2024-7698)

**Vulnerability Impact** (operational management and system administrators)

User with low privileges (read access to logs) may get access to anti CSRF tokens of higher privileged users. These tokens can be abused to mount CSRF attacks.

**Vulnerability Description** (all)

A low privileged remote attacker can get access to CSRF tokens of higher privileged users which can be abused to mount CSRF attacks.

**CWE:** CWE-212: Improper Removal of Sensitive Information Before Storage or Transfer

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N	5.7

Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:N/A:N 5.7

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN  
Order number: 2700642 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN  
Order number: 2701875 ([Download](#))

Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN  
Order number: 2903441 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX  
Order number: 2700634 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN  
Order number: 2200515 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX  
Order number: 2701876 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN  
Order number: 2701877 ([Download](#))

Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN  
Order number: 2903440 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B  
Order number: 2702139 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P  
Order number: 2702259 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M  
Order number: 2702470 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD PCI4000  
Order number: 2701274 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN  
Order number: 2701275 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD PCIE4000  
Order number: 2701277 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 2102 Order number: 1357828 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 2105 Order number: 1357850 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4302 Order number: 1357840 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4305 Order number: 1357875 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4102 PCIE Order number: 1357842 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4102 PCI Order number: 1441187 ( <a href="#">Download</a> )

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

### For groups:

- Affected Products.



## Mitigation

Read access to the device via administrative interfaces should be granted only to trustworthy users.

### For groups:

- Affected Products.

## CVE-2024-7699 (CVE-2024-7699)

### Vulnerability Impact (operational management and system administrators)

Users with privileges to use the action endpoint may trigger misbehavior in connected functionality.

### Vulnerability Description (all)

An low privileged remote attacker can execute OS commands with root privileges due to improper neutralization of special elements in user data.

**CWE:** CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGuard RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGuard RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGuard RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8

Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN  
Order number: 2700642 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN  
Order number: 2701875 ([Download](#))

Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN  
Order number: 2903441 ([Download](#))



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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 2102 Order number: 1357828 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 2105 Order number: 1357850 ( <a href="#">Download</a> )

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Firmware 10.4.1 installed on FL MGuard 4302
Order number: 1357840 ( <a href="#">Download</a> )

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Firmware 10.4.1 installed on FL MGuard 4305
Order number: 1357875 ( <a href="#">Download</a> )

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Firmware 10.4.1 installed on FL MGuard 4102 PCIE
Order number: 1357842 ( <a href="#">Download</a> )

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Firmware 10.4.1 installed on FL MGuard 4102 PCI
Order number: 1441187 ( <a href="#">Download</a> )

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

#### For groups:

- Affected Products.

### Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

#### For groups:

- Affected Products.

## CVE-2024-43384 (CVE-2024-43384)

### Vulnerability Impact (operational management and system administrators)

User with low privileges (read access to logs) may gain knowledge about foreign passwords. They can be misused for privilege escalation or to get unauthorized access to target systems.

### Vulnerability Description (all)

A low privileged remote attacker can gain the root password due to improper removal of sensitive information before storage or transfer.

**CWE:** CWE-212: Improper Removal of Sensitive Information Before Storage or Transfer

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## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGuard RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H	8.0

Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0

Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H 8.0

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )

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Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 2102 Order number: 1357828 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 2105 Order number: 1357850 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4302 Order number: 1357840 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4305 Order number: 1357875 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187 ( <a href="#">Download</a> )

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

### For groups:

- Affected Products.

### Mitigation

Read access to the device via administrative interfaces should be granted only to trustworthy users.

### For groups:

- Affected Products.

# CVE-2024-43385 (CVE-2024-43385)

## Vulnerability Impact (operational management and system administrators)

Users with privileges to perform configuration changes can trigger the execution of arbitrary OS commands. As these commands are executed with root privileges, this can lead to a privilege escalation.

## Vulnerability Description (all)

A low privileged remote attacker can trigger the execution of arbitrary OS commands as root due to improper neutralization of special elements in the variable PROXY\_HTTP\_PORT in mGuard devices

**CWE:** CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8



Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )

Firmware 8.9.3 installed on FL MGuard RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 2102 Order number: 1357828 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 2105 Order number: 1357850 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4302 Order number: 1357840 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4305 Order number: 1357875 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4102 PCIE Order number: 1357842 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4102 PCI Order number: 1441187 ( <a href="#">Download</a> )

## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

#### For groups:

- Affected Products.

### Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

#### For groups:

- Affected Products.

## CVE-2024-43386 (CVE-2024-43386)

**Vulnerability Impact** (operational management and system administrators)

Users with privileges to perform configuration changes can trigger the execution of arbitrary OS commands. As these commands are executed with root privileges, this can lead to a privilege escalation.

### Vulnerability Description (all)

A low privileged remote attacker can trigger the execution of arbitrary OS commands as root due to improper neutralization of special elements in the variable EMAIL\_NOTIFICATION.TO in mGuard devices.

**CWE:** CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8

Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8

Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )

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Firmware 8.9.3 installed on TC MGuard RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 2102 Order number: 1357828 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 2105 Order number: 1357850 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4302 Order number: 1357840 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4305 Order number: 1357875 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4102 PCIE Order number: 1357842 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGuard 4102 PCI Order number: 1441187 ( <a href="#">Download</a> )

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

#### For groups:

- Affected Products.

### Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

#### For groups:

- Affected Products.

## CVE-2024-43387 (CVE-2024-43387)

### Vulnerability Impact (operational management and system administrators)

Users with privileges to perform configuration changes can trigger misbehavior of a connected curl process. As this process runs with root privileges, this can lead to a privilege escalation.



## Vulnerability Description (all)

A low privileged remote attacker can read and write files as root due to improper neutralization of special elements in the variable EMAIL\_RELAY\_PASSWORD in mGuard devices.

**CWE:** CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGuard RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGuard RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGuard RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGuard CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGuard RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8

Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H 8.8

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274 ( <a href="#">Download</a> )

Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 2102 Order number: 1357828 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 2105 Order number: 1357850 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4302 Order number: 1357840 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4305 Order number: 1357875 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187 ( <a href="#">Download</a> )

## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

## For groups:

- Affected Products.

## Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

## For groups:

- Affected Products.

# CVE-2024-43388 (CVE-2024-43388)

## Vulnerability Impact (operational management and system administrators)

Users with privileges to perform configuration changes can trigger covert misbehavior of a connected net-snmp agent.

## Vulnerability Description (all)

A low privileged remote attacker with write permissions can reconfigure the SNMP service due to improper input validation.

**CWE:** CWE-74: Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8

Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H	8.8

## Fixed

### Product

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Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN  
Order number: 2700642 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN  
Order number: 2701875 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN  
Order number: 2903441 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX  
Order number: 2700634 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN  
Order number: 2200515 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX  
Order number: 2701876 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN  
Order number: 2701877 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN  
Order number: 2903440 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B  
Order number: 2702139 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P  
Order number: 2702259 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M  
Order number: 2702470 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCI4000  
Order number: 2701274 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN  
Order number: 2701275 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCIE4000  
Order number: 2701277 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN  
Order number: 2701278 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX  
Order number: 2700967 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN  
Order number: 2700968 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD SMART2  
Order number: 2700640 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD SMART2 VPN  
Order number: 2700639 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD CORE TX  
Order number: 2702884 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD CORE TX VPN  
Order number: 2702831 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN  
Order number: 2903588 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN  
Order number: 2903586 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN  
Order number: 1010461 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN  
Order number: 1010462 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN  
Order number: 1010463 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN  
Order number: 1010464 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD GT/GT  
Order number: 2700197 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD GT/GT VPN  
Order number: 2700198 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD CENTERPORT  
Order number: 2702547 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CENTERPORT VPN-1000

Order number: 2702820 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 2102

Order number: 1357828 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 2105

Order number: 1357850 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4302

Order number: 1357840 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4305

Order number: 1357875 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCIE

Order number: 1357842 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCI

Order number: 1441187 ([Download](#))

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

### For groups:

- Affected Products.

### Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

### For groups:

- Affected Products.

## CVE-2024-43389 (CVE-2024-43389)

**Vulnerability Impact** (operational management and system administrators)

Users with privileges to perform configuration changes can trigger covert misbehavior of a connected ospfd service.

### Vulnerability Description (all)

A low privileged remote attacker can perform configuration changes of the ospf service through OSPF\_INTERFACE.SIMPLE\_KEY, OSPF\_INTERFACE.DIGEST\_KEY environment variables which can lead to a DoS.

**CWE:** CWE-74: Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection')

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# Product status

## Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5

Firmware < 8.9.3 installed on TC MGuard RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGuard GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGuard GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGuard CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGuard CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGuard 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGuard 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGuard 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGuard 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGuard 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGuard 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5

## Fixed

### Product

Firmware 8.9.3 installed on FL MGuard RS2000 TX/TX VPN Order number: 2700642 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS2005 TX VPN Order number: 2701875 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )

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Firmware 8.9.3 installed on FL MGuard DELTA TX/TX VPN  
Order number: 2700968 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard SMART2  
Order number: 2700640 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard SMART2 VPN  
Order number: 2700639 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CORE TX  
Order number: 2702884 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CORE TX VPN  
Order number: 2702831 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS2000 4G VPN  
Order number: 2903588 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS4000 4G VPN  
Order number: 2903586 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS4000 4G VZW VPN  
Order number: 1010461 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS2000 4G VZW VPN  
Order number: 1010462 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS4000 4G ATT VPN  
Order number: 1010463 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS2000 4G ATT VPN  
Order number: 1010464 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard GT/GT  
Order number: 2700197 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard GT/GT VPN  
Order number: 2700198 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CENTERPORT  
Order number: 2702547 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CENTERPORT VPN-1000  
Order number: 2702820 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 2102  
Order number: 1357828 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 2105  
Order number: 1357850 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4302  
Order number: 1357840 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4305  
Order number: 1357875 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCIE  
Order number: 1357842 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCI  
Order number: 1441187 ([Download](#))

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

### For groups:

- Affected Products.

## Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

### For groups:

- Affected Products.

## CVE-2024-43390 (CVE-2024-43390)

### Vulnerability Impact (operational management and system administrators)

Users with privileges to perform configuration changes can trigger covert misbehavior within several firewall services, including packet forwarding or NAT.

### Vulnerability Description (all)

A low privileged remote attacker can perform configuration changes of the firewall services, including packet forwarding or NAT through the FW\_NAT.IN\_IP environment variable which can lead to a DoS.

**CWE:** CWE-74: Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5

Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN  
Order number: 2700642 ([Download](#))

Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN  
Order number: 2701875 ([Download](#))



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Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )
Firmware 10.4.1 installed on FL MGUARD 2102 Order number: 1357828 ( <a href="#">Download</a> )

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Firmware 10.4.1 installed on FL MGuard 2105  
Order number: 1357850 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4302  
Order number: 1357840 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4305  
Order number: 1357875 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCIE  
Order number: 1357842 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCI  
Order number: 1441187 ([Download](#))

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

#### For groups:

- Affected Products.

### Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

#### For groups:

- Affected Products.

## CVE-2024-43391 (CVE-2024-43391)

### Vulnerability Impact (operational management and system administrators)

Users with privileges to perform configuration changes can trigger covert misbehavior within all firewall services, including packet filter, packet forwarding, network access control or NAT.

### Vulnerability Description (all)

A low privileged remote attacker can perform configuration changes of the firewall services, including packet filter, packet forwarding, network access control or NAT through the FW\_PORTFORWARDING.SRC\_IP environment variable which can lead to a DoS.

**CWE:** CWE-74: Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection')

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# Product status

## Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5

Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )

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Firmware 8.9.3 installed on FL MGuard DELTA TX/TX VPN  
Order number: 2700968 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard SMART2  
Order number: 2700640 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard SMART2 VPN  
Order number: 2700639 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CORE TX  
Order number: 2702884 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CORE TX VPN  
Order number: 2702831 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS2000 4G VPN  
Order number: 2903588 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS4000 4G VPN  
Order number: 2903586 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS4000 4G VZW VPN  
Order number: 1010461 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS2000 4G VZW VPN  
Order number: 1010462 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS4000 4G ATT VPN  
Order number: 1010463 ([Download](#))

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Firmware 8.9.3 installed on TC MGuard RS2000 4G ATT VPN  
Order number: 1010464 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard GT/GT  
Order number: 2700197 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard GT/GT VPN  
Order number: 2700198 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CENTERPORT  
Order number: 2702547 ([Download](#))

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Firmware 8.9.3 installed on FL MGuard CENTERPORT VPN-1000  
Order number: 2702820 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 2102  
Order number: 1357828 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 2105  
Order number: 1357850 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4302  
Order number: 1357840 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4305  
Order number: 1357875 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCIE  
Order number: 1357842 ([Download](#))

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Firmware 10.4.1 installed on FL MGuard 4102 PCI  
Order number: 1441187 ([Download](#))

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

### For groups:

- Affected Products.

## Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

### For groups:

- Affected Products.

## CVE-2024-43392 (CVE-2024-43392)

### Vulnerability Impact (operational management and system administrators)

Users with privileges to perform configuration changes can trigger covert misbehavior within all firewall services, including packet filter, packet forwarding, network access control or NAT.

### Vulnerability Description (all)

A low privileged remote attacker can perform configuration changes of the firewall services, including packet filter, packet forwarding, network access control or NAT through the FW\_INCOMING.FROM\_IP FW\_INCOMING.IN\_IP FW\_OUTGOING.FROM\_IP FW\_OUTGOING.IN\_IP environment variable which can lead to a DoS.

**CWE:** CWE-74: Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5



Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5

## Fixed

### Product

Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877 ( <a href="#">Download</a> )

Firmware 8.9.3 installed on TC MGuard RS4000 3G VPN Order number: 2903440 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS2000 TX/TX-B Order number: 2702139 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX-P Order number: 2702259 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard RS4000 TX/TX-M Order number: 2702470 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCI4000 Order number: 2701274 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCI4000 VPN Order number: 2701275 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCIE4000 Order number: 2701277 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard PCIE4000 VPN Order number: 2701278 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard DELTA TX/TX Order number: 2700967 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard DELTA TX/TX VPN Order number: 2700968 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard SMART2 Order number: 2700640 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard SMART2 VPN Order number: 2700639 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CORE TX Order number: 2702884 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CORE TX VPN Order number: 2702831 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G VPN Order number: 2903588 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G VPN Order number: 2903586 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G VZW VPN Order number: 1010461 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G VZW VPN Order number: 1010462 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS4000 4G ATT VPN Order number: 1010463 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on TC MGuard RS2000 4G ATT VPN Order number: 1010464 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT Order number: 2700197 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard GT/GT VPN Order number: 2700198 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT Order number: 2702547 ( <a href="#">Download</a> )
Firmware 8.9.3 installed on FL MGuard CENTERPORT VPN-1000 Order number: 2702820 ( <a href="#">Download</a> )

## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 or higher which fixes this vulnerability.

## For groups:

- Affected Products.

## Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

## For groups:

- Affected Products.

# CVE-2024-43393 (CVE-2024-43393)

## Vulnerability Impact (operational management and system administrators)

Users with privileges to perform configuration changes can trigger covert misbehavior within all firewall services, including packet filter, packet forwarding, network access control or NAT.

## Vulnerability Description (all)

A low privileged remote attacker can perform configuration changes of the firewall services, including packet filter, packet forwarding, network access control or NAT through the FW\_INCOMING.FROM\_IP FW\_INCOMING.IN\_IP FW\_OUTGOING.FROM\_IP FW\_OUTGOING.IN\_IP FW\_RULESETS.FROM\_IP FW\_RULESETS.IN\_IP environment variable which can lead to a DoS.

**CWE:** CWE-74: Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection')

## Product status

### Known affected

Product	CVSS-Vector	CVSS Base Score
Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN Order number: 2700642	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS2005 TX VPN Order number: 2701875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 3G VPN Order number: 2903441	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX Order number: 2700634	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN Order number: 2200515	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX Order number: 2701876	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN Order number: 2701877	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 3G VPN Order number: 2903440	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H	6.5

Firmware < 8.9.3 installed on FL MGUARD RS2000 TX/TX-B Order number: 2702139	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-P Order number: 2702259	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD RS4000 TX/TX-M Order number: 2702470	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 Order number: 2701274	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCI4000 VPN Order number: 2701275	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 Order number: 2701277	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD PCIE4000 VPN Order number: 2701278	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX Order number: 2700967	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD DELTA TX/TX VPN Order number: 2700968	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 Order number: 2700640	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD SMART2 VPN Order number: 2700639	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX Order number: 2702884	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CORE TX VPN Order number: 2702831	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VPN Order number: 2903588	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VPN Order number: 2903586	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN Order number: 1010461	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN Order number: 1010462	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN Order number: 1010463	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN Order number: 1010464	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT Order number: 2700197	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD GT/GT VPN Order number: 2700198	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT Order number: 2702547	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000 Order number: 2702820	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 2102 Order number: 1357828	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 2105 Order number: 1357850	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4302 Order number: 1357840	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4305 Order number: 1357875	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4102 PCIE Order number: 1357842	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5
Firmware < 10.4.1 installed on FL MGUARD 4102 PCI Order number: 1441187	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H 6.5

## Fixed

### Product

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Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX VPN  
Order number: 2700642 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS2005 TX VPN  
Order number: 2701875 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS2000 3G VPN  
Order number: 2903441 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX  
Order number: 2700634 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX VPN  
Order number: 2200515 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX  
Order number: 2701876 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4004 TX/DTX VPN  
Order number: 2701877 ([Download](#))

---

Firmware 8.9.3 installed on TC MGUARD RS4000 3G VPN  
Order number: 2903440 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS2000 TX/TX-B  
Order number: 2702139 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-P  
Order number: 2702259 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD RS4000 TX/TX-M  
Order number: 2702470 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCI4000  
Order number: 2701274 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCI4000 VPN  
Order number: 2701275 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCIE4000  
Order number: 2701277 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD PCIE4000 VPN  
Order number: 2701278 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX  
Order number: 2700967 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD DELTA TX/TX VPN  
Order number: 2700968 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD SMART2  
Order number: 2700640 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD SMART2 VPN  
Order number: 2700639 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD CORE TX  
Order number: 2702884 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD CORE TX VPN  
Order number: 2702831 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS2000 4G VPN  
Order number: 2903588 ([Download](#))

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Firmware 8.9.3 installed on TC MGUARD RS4000 4G VPN  
Order number: 2903586 ([Download](#))

---

Firmware 8.9.3 installed on TC MGUARD RS4000 4G VZW VPN  
Order number: 1010461 ([Download](#))

---

Firmware 8.9.3 installed on TC MGUARD RS2000 4G VZW VPN  
Order number: 1010462 ([Download](#))

---

Firmware 8.9.3 installed on TC MGUARD RS4000 4G ATT VPN  
Order number: 1010463 ([Download](#))

---

Firmware 8.9.3 installed on TC MGUARD RS2000 4G ATT VPN  
Order number: 1010464 ([Download](#))

---

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Firmware 8.9.3 installed on FL MGUARD GT/GT  
Order number: 2700197 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD GT/GT VPN  
Order number: 2700198 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD CENTERPORT  
Order number: 2702547 ([Download](#))

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Firmware 8.9.3 installed on FL MGUARD CENTERPORT VPN-1000  
Order number: 2702820 ([Download](#))

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Firmware 10.4.1 installed on FL MGUARD 2102  
Order number: 1357828 ([Download](#))

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Firmware 10.4.1 installed on FL MGUARD 2105  
Order number: 1357850 ([Download](#))

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Firmware 10.4.1 installed on FL MGUARD 4302  
Order number: 1357840 ([Download](#))

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Firmware 10.4.1 installed on FL MGUARD 4305  
Order number: 1357875 ([Download](#))

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Firmware 10.4.1 installed on FL MGUARD 4102 PCIE  
Order number: 1357842 ([Download](#))

---

Firmware 10.4.1 installed on FL MGUARD 4102 PCI  
Order number: 1441187 ([Download](#))

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## Remediations

### Vendor fix

Phoenix Contact strongly recommends upgrading affected mGuard devices to firmware version 8.9.3 / 10.4.1 or higher which fixes this vulnerability.

### For groups:

- Affected Products.

### Mitigation

Access to the administrative interfaces should be granted only to trustworthy users.

### For groups:

- Affected Products.

## Acknowledgments

Phoenix Contact GmbH & Co. KG thanks the following parties for their efforts:

- CERT@VDE for coordination (see: <https://certvde.com>)
- Andrea Palanca from Nozomi Networks Security Research Team for These vulnerabilities were discovered by the Nozomi Networks Security Research Team. We kindly appreciate the coordinated disclosure of these vulnerabilities by the finder. (see: <https://www.nozominetworks.com/labs>)



# Phoenix Contact GmbH & Co. KG

Namespace: <https://phoenixcontact.com/psirt>

[psirt@phoenixcontact.com](mailto:psirt@phoenixcontact.com)

## References

- Phoenix Contact PSIRT (EXTERNAL): <https://phoenixcontact.com/psirt>
- Phoenix Contact advisory overview at CERT@VDE (EXTERNAL): <https://cert.vde.com/de/advisories/vendor/phoenixcontact/>
- VDE-2024-039: Phoenix Contact: Multiple Vulnerabilities in mGuard devices (SELF): <https://cert.vde.com/en/advisories/VDE-2024-039>

## Revision history

Version	Date of the revision	Summary of the revision
1	Tue Sep 10 12:00:00 CEST 2024	Initial revision.

## Sharing rules

**TLP:WHITE**

For the TLP version see <https://www.first.org/tlp/>