



# Synway SMG Gateway Management Software OS Command Injection via radius\_address

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2025-71284
<b>State</b>	PUBLISHED
<b>Assigner</b>	VulnCheck
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-30 17:16:25 UTC
<b>Updated</b>	2026-05-05 18:09:10 UTC
<b>Description</b>	Synway SMG Gateway Management Software contains an OS command injection vulnerability in the RADIUS configuration

## Risk And Classification

**Primary CVSS:** v4.0 9.3 CRITICAL from disclosure@vulncheck.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

**EPSS:** 0.004940000 probability, percentile 0.657640000 (date 2026-05-05)

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

Version	Source	Type	Score	Severity	Vector
4.0	disclosure@vulncheck.com	Secondary	9.3	CRITICAL	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
4.0	CNA	CVSS	9.3	CRITICAL	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X
3.1	disclosure@vulncheck.com	Primary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	CVSS	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

## CVSS v4.0 Breakdown

Attack Vector

**Network**

Attack Complexity

**Low**

Attack Requirements

**None**

Privileges Required

None

User Interaction

None

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

### CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Synway	Smg Gateway Management Software	-	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	<a href="#">Synway Information Engineering Co. Ltd.</a>	<a href="#">Synway SMG Gateway Management Software</a>	affected semver	Not specified

## References

Reference	Source	Link
<a href="http://www.synway.net">www.synway.net</a>	<a href="mailto:disclosure@vulncheck.com">disclosure@vulncheck.com</a>	<a href="http://www.synway.net">www.synway.net</a>
<a href="https://github.com/projectdiscovery/nuclei-templates/blob/main/http/vulnerabilit...">github.com/projectdiscovery/nuclei-templates/blob/main/http/vulnerabilit...</a>	<a href="mailto:disclosure@vulncheck.com">disclosure@vulncheck.com</a>	<a href="https://github.com">github.com</a>
<a href="http://www.vulncheck.com/advisories/synway-smg-gateway-management-software-os-command-...">www.vulncheck.com/advisories/synway-smg-gateway-management-software-os-command-...</a>	<a href="mailto:disclosure@vulncheck.com">disclosure@vulncheck.com</a>	<a href="http://www.vulncheck.com">www.vulncheck.com</a>
<a href="https://mp.weixin.qq.com/s/PyepoFSuQ63E3RnpQa9nsA">mp.weixin.qq.com/s/PyepoFSuQ63E3RnpQa9nsA</a>	<a href="mailto:disclosure@vulncheck.com">disclosure@vulncheck.com</a>	<a href="https://mp.weixin.qq.com">mp.weixin.qq.com</a>
<a href="http://mrxn.net/jszw/synway-9-2radius-rce.html">mrxn.net/jszw/synway-9-2radius-rce.html</a>	<a href="mailto:disclosure@vulncheck.com">disclosure@vulncheck.com</a>	<a href="http://mrxn.net">mrxn.net</a>
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>

## Vendor Comments And Credit

### Discovery Credit

**CNA:** [The Shadowserver Foundation \(en\)](#)

There are currently no legacy QID mappings associated with this CVE.

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