

Security Advisory

Sentinel version 10.5.x to 11.6.1 Vulnerability Assessment and Potential Product Impact Statement

Ref Doc ID	Version	Release Date	Advisory Status	Related CVE(s)
079-0273-00	C	<2026-09-04>	ACTIVE	2026-0611

1. VULNERABILITY OVERVIEW

Spacelabs Healthcare has been made aware of an unauthenticated remote code execution vulnerability through a deprecated .NET Remoting HTTP channel on port 8989. The vulnerability allows attackers to perform arbitrary file read and write operations by supplying valid .NET URI endpoints to achieve unauthenticated remote code execution on the system.

2. RISK ASSESSMENT SUMMARY

Spacelabs has conducted an assessment to identify the potential impact of the Unauthenticated RCE via .NET Remoting vulnerability on our products. Our assessment has found that Spacelabs Sentinel is affected by this vulnerability.

Spacelabs has assessed the potential impact of this vulnerability on the Sentinel product. We have concluded that Sentinel v10.5.x to v11.6.1 are vulnerable to this exploit, which does impact Confidentiality, Integrity and Availability of the Sentinel Software.

Spacelabs is reporting both the CVSS Scores for the unmitigated vulnerability and the mitigated vulnerability.

Unmitigated 11.6.0 Unauthenticated RCE via .NET Remoting
CVSS Score 9.2
CVSS Vector String: 4.0/AV:N/AC:L/AT:P/PR:N/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N

Mitigated 11.6.0 Unauthenticated RCE via .NET Remoting
CVSS Score: 2.3
CVSS Vector String: 4.0/AV:A/AC:L/AT:P/PR:N/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N

This is based on the input from VulnCheck as implemented and described by GM SecTec with Spacelabs verification and ability to reproduce the exploit as reported. Spacelabs would like to recognize VulnCheck and GM SecTec for their collaboration and contribution to the report.

3. RECOMMENDATIONS

To minimize network exposure across all Sentinel versions, systems should be deployed in secure network environments. This includes ensuring they are not accessible from the public Internet, are positioned behind hospital firewalls, and are protected through appropriate internal network segmentation.

SPACELABS HEALTHCARE

Port 8989 is used by Sentinel versions 10.5.x to 11.6.1 for **internal communications** between IIS and the local Sentinel Messaging Service only. The communication does not cross the network boundary as both services are always on the same system.

A validated mitigation measure is to block all network communications on port 8989, which is required for exploitation of the identified vulnerability. This port is not used by any Sentinel application version by default and is also blocked by default by Microsoft Windows Defender Firewall.

The mitigation strategy of blocking port 8989 applies to all Sentinel versions and provides an effective interim or supplementary control. This mitigation has been tested and verified by both GM SecTec and Spacelabs Healthcare.

Optionally, Spacelabs have released new software version 11.6.2 which no longer uses the deprecated .NET Remoting HTTP channel, addressing the underlying vulnerability directly.

For additional questions or concerns:

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GENERAL SECURITY RECOMMENDATIONS

- Block suspicious external IP addresses at the hospital firewalls. Monitor traffic internally for unusual behavior.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs), recognizing VPNs may have vulnerabilities and should be updated to the most current version available. Also recognize VPN is only as secure as its connected devices.
- Implement defense-in-depth within the enterprise environment consisting of tools such as Intrusion Detection/Prevention Systems (IDS/IPS), firewalls, and network access control (NAC).
- Implement and maintain an anti-malware solution (also called “anti-virus”) and an endpoint detection and response (EDR) solution.
- Disable remote access services and protocols such as Remote Desktop Protocol (RDP) unless needed. Monitor and restrict remote access usage on a least-privilege basis.
- Have backup and restore processes and procedures in place for disaster recovery and incident response.
- Monitor and maintain account provisioning and access control based on the principle of least privilege.
- Enable multi-factor authentication where possible.

- Apply applicable patches, hotfixes, and updates to servers and products when available and after they have been validated.

4. EXAMINATION OF SPACELABS PRODUCTS

4.1 ASSESSMENT OF SPACELABS PRODUCTS

In response to the publication of this vulnerability, Spacelabs has conducted an assessment to identify devices potentially at risk of this vulnerability. Please note information is subject to change as the situation evolves.

Diagnostic Cardiology (DC) Products

PRODUCT	OPERATING SYSTEM	IMPACT ASSESSMENT
Sentinel	Windows 10 Windows 11 Windows Server 2019 Windows Server 2022	Impacted

5. Additional Resources

#	RESOURCE	URL
1	CVE-2026-0611 Detail	https://www.cve.org/CVERecord?id=CVE-2026-0611
2	VulnCheck Notification	https://www.vulncheck.com/advisories/spacelabs-healthcare-sentinel-unauthenticated-rce-via-net-remoting

6. Document History

Version	Release Date	Purpose
Rev C	04 Sep 2026	Clarified affected version number Updated recommendation and general security recommendation section
Rev B	14 Jul 2026	Updated recommendation section
Rev A	29 May 2026	Sentinel .NET Remoting Vulnerability Assessment and Potential Product Impact Statement.

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