

# Belden Security Bulletin – Industrial IT BSECV-2020-01

## Web Server Buffer Overflow in HiOS and HiSecOS products

Date: 2020-03-24 Version: 1.2

References: CVE-2020-69941

## **Executive Summary**

A vulnerability in the HTTP(S) web server of HiOS and HiSecOS devices could allow an unauthenticated, remote attacker to overflow a buffer and fully compromise the target device.

#### **Details**

The vulnerability is due to improper parsing of URL arguments. An attacker could exploit this vulnerability by crafting specially formed HTTP requests and overflow an internal buffer. A CVSSv3 score of 9.8 (Critical)<sup>2</sup> was calculated for this vulnerability.

## **Impact**

An exploit could allow the attacker to execute arbitrary code which leads to a full compromise of the target device.

#### Affected Products

Brand	Product Line / Platform	Product	Version
Hirschmann	HiOS	RSP, RSPE, RSPS,	07.0.02 or lower
		RSPL, MSP, EES,	
		EESX, GRS, OS, RED	
Hirschmann	HiSecOS	EAGLE20/30	03.2.00 or lower

### Solution

Updates are available, which address the vulnerability. Customers are advised to update their product.

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Brand	Product Line / Platform	Product	Version		
Hirschmann	HiOS	RSP, RSPE, RSPS,	07.0.03 or higher		
		RSPL, MSP, EES,	_		
		EESX, GRS, OS, RED			
Hirschmann	HiSecOS	EAGLE20/30	03.3.00 or higher		

As a workaround, we strongly recommend customers to either use the "IP Access Restriction" feature to restrict HTTP and HTTPS to trusted IP addresses or disable the HTTP and HTTPS server.

## For Help or Feedback

To view all Belden Security Advisories and Bulletins or to report suspected security vulnerabilities, go to https://www.belden.com/security.

For technical support and other requests, please visit <a href="https://hirschmann-support.belden.com">https://hirschmann-support.belden.com</a>.

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## **Related Links**

- [1] https://web.nvd.nist.gov/view/vuln/detail?vulnId=CVE-2020-6994
- [2] https://www.first.org/cvss/calculator/3.0#CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

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### Revisions

V1.0 (2020-02-14): Bulletin created.

V1.1 (2020-02-26): Update solution and include workaround.

V1.2 (2020-03-24): Include CVE identifier and URL.