

SSA-191683: Cross-Site Scripting Vulnerability in IE/WSN-PA Link WirelessHART Gateway

Publication Date: 2019-09-10
Last Update: 2019-09-10
Current Version: V1.0
CVSS v3.0 Base Score: 7.5

SUMMARY

The Siemens IE/WSN-PA Link WirelessHART Gateway is affected by a Cross-Site Scripting vulnerability. Siemens recommends specific countermeasures.

AFFECTED PRODUCTS AND SOLUTION

| Affected Product and Versions | Remediation |
|--|--|
| IE/WSN-PA Link WirelessHART Gateway: All versions | See recommendations from section Workarounds and Mitigations |

WORKAROUNDS AND MITIGATIONS

Siemens has identified the following specific workarounds and mitigations that customers can apply to reduce the risk:

- Only access links from trusted sources in the browser you use to configure the IE/WSN-PA Link.

GENERAL SECURITY RECOMMENDATIONS

As a general security measure, Siemens strongly recommends to protect network access to devices with appropriate mechanisms. In order to operate the devices in a protected IT environment, Siemens recommends to configure the environment according to Siemens' operational guidelines for Industrial Security (Download: <https://www.siemens.com/cert/operational-guidelines-industrial-security>), and to follow the recommendations in the product manuals.

Additional information on Industrial Security by Siemens can be found at: <https://www.siemens.com/industrialsecurity>

PRODUCT DESCRIPTION

The IE/WSN-PA Link is a gateway between a WirelessHART network and wired Ethernet network.

VULNERABILITY CLASSIFICATION

The vulnerability classification has been performed by using the CVSS scoring system in version 3.0 (CVSS v3.0) (<https://www.first.org/cvss/>). The CVSS environmental score is specific to the customer's environment and will impact the overall CVSS score. The environmental score should therefore be individually defined by the customer to accomplish final scoring.

Vulnerability CVE-2019-13923

The integrated configuration web server of the affected device could allow Cross-Site Scripting (XSS) attacks if unsuspecting users are tricked into accessing a malicious link.

User interaction is required for a successful exploitation. The user must be logged into the web interface in order for the exploitation to succeed. At the stage of publishing this security advisory no public exploitation is known.

CVSS v3.0 Base Score 7.5

CVSS Vector CVSS:3.0/AV:N/AC:H/PR:N/UI:R/S:U/C:H/I:H/A:H/E:P/RL:W/RC:C

ACKNOWLEDGMENTS

Siemens thanks the following parties for their efforts:

- William Knowles for coordinated disclosure

ADDITIONAL INFORMATION

For further inquiries on security vulnerabilities in Siemens products and solutions, please contact the Siemens ProductCERT:

<https://www.siemens.com/cert/advisories>

HISTORY DATA

V1.0 (2019-09-10): Publication Date

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