

## **SSA-110922: Web Vulnerability in TIM 1531 IRC**

Publication Date: 2018-03-27  
Last Update: 2018-03-27  
Current Version: V1.0  
CVSS v3.0 Base Score: 9.8

### **SUMMARY**

The latest update for TIM 1531 IRC fixes a security vulnerability that could allow unauthorized remote attackers to perform administrative operations on the device.

Siemens recommends updating as soon as possible.

### **AFFECTED PRODUCTS AND SOLUTION**

<b>Affected Product and Versions</b>	<b>Remediation</b>
TIM 1531 IRC: All versions < V1.1	Update to V1.1 <a href="https://support.industry.siemens.com/cs/ww/en/view/109755374">https://support.industry.siemens.com/cs/ww/en/view/109755374</a>

### **WORKAROUNDS AND MITIGATIONS**

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

- Users can limit access to port 80/tcp and port 443/tcp in their network infrastructure (e.g. cell-protection firewall or corporate firewall) to reduce the risk.

### **GENERAL SECURITY RECOMMENDATIONS**

As a general security measure, Siemens strongly recommends to protect network access to devices with appropriate mechanisms. In order to run the devices in a protected IT environment, Siemens particularly 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**

TIM 1531 IRC is a communication module for SIMATIC S7-1500, S7-400, S7-300 with SINAUT ST7 with three RJ45 interfaces for communication via IP-based networks (WAN / LAN) and a RS-232/RS-485-interface for communication via classic WAN networks.

### **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-2018-4841

A remote attacker with network access to port 80/tcp or port 443/tcp could perform administrative operations on the device without prior authentication. Successful exploitation could allow to cause a denial-of-service, or read and manipulate data as well as configuration settings of the affected device. At the stage of publishing this security advisory no public exploitation is known. Siemens provides mitigations to resolve it.

CVSS v3.0 Base Score	9.8
CVSS Vector	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H/E:P/RL:O/RC:C

### **ADDITIONAL INFORMATION**

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

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

### **HISTORY DATA**

V1.0 (2018-03-27): Publication Date

### **TERMS OF USE**

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