

11 May 2018  
300405373/pbsa56

## Security Advisory for FL SWITCH 3xxx, FL SWITCH 4xxx, FL SWITCH 48xx products [CVE-2018-10731]

### Advisory Title

Stack Buffer Overflows in Shared Object File.

### Advisory ID

CVE-2018-10731  
VDE-2018-007

### Vulnerability Description

An attacker may exploit a “long cookie” related vulnerability to cause a buffer overflow that allows unauthorized access to the switches operating system files. The attacker can then insert executable code into the OS.

### Affected products

All Phoenix Contact managed FL SWITCH 3xxx, 4xxx, 48xx products running firmware version 1.0 to 1.33

### Impact

If vulnerability is exploited, the attacker may create their own executable files that could further exploit the integrity of the managed FL SWITCH. For example, the attacker may deny switch network access.

### Classification of Vulnerability

Base Score: 9.0 (Critical)

Vector: CVSS: 3.0 /AV:N /AC:H /PR:N /UI:N /S:C /C:H /I:H /A:H

Personally liable partner:  
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### **Temporary Fix / Mitigation**

Customers using Phoenix Contact managed FL SWITCH devices with affected firmware versions are recommended to disable the switch Web Agent.

### **Remediation**

Customers using Phoenix Contact managed FL SWITCH devices with affected firmware versions are recommended to update the firmware to version 1.34 or higher which fixes this vulnerability. The updated firmware may be downloaded from the managed switch product page on the Phoenix Contact website.

### **Acknowledgement**

This vulnerability was discovered by Vyacheslav Moskvin and Semen Sokolov (Positive Technologies).