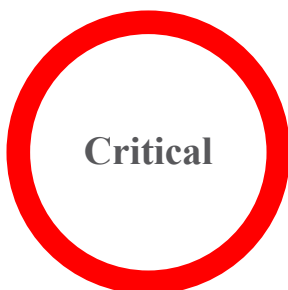




# Cisco UCS Director and Cisco UCS Director Express for Big Data API Authentication Bypass Vulnerability



**Advisory ID:** cisco-sa-20190821-ucsd-authbypass

**First Published:** 2019 August 21 16:00 GMT

**Version 1.0:** [Final](#) CVE-2019-1938

**Workarounds:** No workarounds available

**Cisco Bug IDs:** [CSCvp69746](#)

**CVSS Score:** [Base 9.8](#)

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## Summary

A vulnerability in the web-based management interface of Cisco UCS Director and Cisco UCS Director Express for Big Data could allow an unauthenticated, remote attacker to bypass authentication and execute arbitrary actions with *administrator* privileges on an affected system.

The vulnerability is due to improper authentication request handling. An attacker could exploit this vulnerability by sending crafted HTTP requests to an affected device. A successful exploit could allow an unprivileged attacker to access and execute arbitrary actions through certain APIs.

Cisco has released software updates that address this vulnerability. There are no workarounds that address this vulnerability.

This advisory is available at the following link:

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190821-ucsd-authbypass>

## Cisco Security Vulnerability Policy

To learn about Cisco security vulnerability disclosure policies and publications, see the [Security Vulnerability Policy](#). This document also contains instructions for obtaining fixed software and receiving security vulnerability information from Cisco.

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## Action Links for This Advisory

[Snort Rule 51200](#)

## Related to This Advisory

### Your Rating:



### Average Rating:



5 star



# Affected Products

## Vulnerable Products

This vulnerability affects the following Cisco products:

- UCS Director releases 6.7.0.0 and 6.7.1.0
- UCS Director Express for Big Data releases 3.7.0.0 and 3.7.1.0

## Products Confirmed Not Vulnerable

Only products listed in the [Vulnerable Products](#) section of this advisory are known to be affected by this vulnerability.

Cisco has confirmed that this vulnerability does not affect the following Cisco software releases and product:

- UCS Director releases earlier than 6.7.0.0
- UCS Director Express for Big Data releases earlier than 3.7.0.0
- Integrated Management Controller Supervisor

## Workarounds

There are no workarounds that address this vulnerability.

## Fixed Software

Cisco has released free software updates that address the vulnerability described in this advisory. Customers may only install and expect support for software versions and feature sets for which they have purchased a license. By installing, downloading, accessing, or otherwise using such software upgrades, customers agree to follow the terms of the Cisco software license:

<https://www.cisco.com/c/en/us/products/end-user-license-agreement.html>

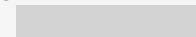
Additionally, customers may only download software for which they have a valid license, procured from Cisco directly, or through a Cisco authorized reseller or partner. In most cases this will be a maintenance upgrade to software that was previously purchased. Free security software updates do not entitle customers to a new software license, additional software feature sets, or major revision upgrades.

When [considering software upgrades](#), customers are advised to regularly consult the

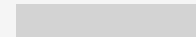
4 star



3 star



2 star



1 star



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advisories for Cisco products, which are available from the [Cisco Security Advisories and Alerts page](#), to determine exposure and a complete upgrade solution.

In all cases, customers should ensure that the devices to be upgraded contain sufficient memory and confirm that current hardware and software configurations will continue to be supported properly by the new release. If the information is not clear, customers are advised to contact the Cisco Technical Assistance Center (TAC) or their contracted maintenance providers.

## Customers Without Service Contracts

Customers who purchase directly from Cisco but do not hold a Cisco service contract and customers who make purchases through third-party vendors but are unsuccessful in obtaining fixed software through their point of sale should obtain upgrades by contacting the Cisco TAC:

<https://www.cisco.com/c/en/us/support/web/tsd-cisco-worldwide-contacts.html>

Customers should have the product serial number available and be prepared to provide the URL of this advisory as evidence of entitlement to a free upgrade.

## Fixed Releases

Cisco fixed this vulnerability in the following software releases:

- Cisco UCS Director 6.7.2.0 and later (recommended: 6.7.3.0)
- Cisco UCS Director Express for Big Data 3.7.2.0 and later (recommended: 3.7.3.0)

Customers can download Cisco UCS Director software from the [Software Center](#) at Cisco.com by doing the following:

1. Click **Browse all**.
2. Choose **Servers - Unified Computing > UCS Director > UCS Director 6.7**.
3. Access releases by using the left pane of the UCS Director 6.7 page.

Customers can download Cisco UCS Director Express for Big Data software from the [Software Center](#) at Cisco.com by doing the following:

1. Click **Browse all**.
2. Choose **Servers - Unified Computing > UCS Director > UCS Director Express for Big Data 3.7**.
3. Access releases by using the left pane of the UCS Director Express for Big Data 3.7 page.

# Exploitation and Public Announcements

The Cisco Product Security Incident Response Team (PSIRT) is not aware of any public announcements or malicious use of the vulnerability that is described in this advisory.

## Source

This vulnerability was found during internal security testing.

## URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20190821-ucsd-authbypass>

## Revision History

Version	Description	Section	Status	Date
1.0	Initial public release.	-	Final	2019-August-21

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