

# Address ACI FN72145: Nexus ACI 9000 Will Fail with SSD Read-Only Filesystem

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## Introduction

This document describes the steps to remediate FN72145 on switches with the affected M500IT SSD model - [Documented in FN72145](#) and Cisco bug ID [CSCvx19640](#).

## Background Information

If you have opened an SR and provided a switch 1 of 3 techsupport bundles, the techsupport was recently re-analyzed to collect information on whether it has an affected SSD model installed, is on an affected ACI version, and has not already crossed the FN defined threshold of 28,224 power-on-hours (Smart attribute 9).

If all three criteria are satisfied, a Proactive ACI SR is opened on your behalf to notify you of the results and provide you with the next steps to address the issue, before the defined threshold is crossed and symptoms occur.

This is actively monitored as part of [Proactive ACI Engagements](#).

## Quick Start to Address FN

There are two options to address this FN in your ACI environment permanently:

### Option 1. Upgrade the ACI Fabric to a Fixed Version

1. Reference Cisco bug ID [CSCvx19640](#) for a known fixed release.
2. Upgrade the ACI fabric to a fixed release.

### Option 2. Upgrade All Affected Switch SSDs with the SSDUpgrader APIC App

1. Download the [SSDUpgrader](#) APIC app from the Cisco DCAppCenter.

2. Install the App onto the identified ACI Fabric(s).
3. Run the app to scan the fabric.
4. When ready to perform the switch SSD Firmware update, provide TAC with the output of '**acidiag dbgtoken**'. The dbgtoken is required for TAC to generate the root password to be used by the SSDUpgrader APIC App.

**Note:** As of SSDUpgrader App version 1.1.0, a switch reload is no longer required to perform the SSD Firmware update.

## Additional Details

### SSDUpgrader App Update History

Refer to the [SSDUpgrader APIC App page](#) for the latest version and release notes on it.

Update History:

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What's new in version 1.6.0

- Fixed app bug

What's new in version 1.5.0

- Added logic to detect SSD error condition 128 under Temperature\_Celsius
- Fixed issue to work on 2.2(3r)

What's new in version 1.4.0 and 1.3.0

- Cosmetic changes.

What's new in version 1.2.0

- Fixed issue to work on 2.2(3t)
- Display power on hours and estimate how many hours left till bug

What's new in version 1.1.0

- Ability to check if standby sup needs to be upgraded
- reload is no longer required

### SSDUpgrader App TechSupport Collection

Reference the [Guide to collect Tech Support and TAC requested outputs for ACI](#) for what to collect for App-related issues, and attach it to the Proactive SR.