

Using the MGX 8220 chkflash Command to Verify Downloads to Service Modules

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Introduction

This document describes how to use the **chkflash** command to verify that a download to a MGX 8220 module is successful.

Prerequisites

Requirements

Readers of this document should be knowledgeable of:

- Cisco MGX 8220 hardware

Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Verify Downloads

Occasionally, TFTP downloads to MGX 8220 modules may be interrupted, time out, or fail due to problems with the network over which the download is transmitted. You may not receive a warning of a failed or corrupted download, so it is a good practice to verify the integrity of a file after you download it.

The **chkflash** command checks the stored checksum of a file with a recalculated checksum, and it checks only files stored in Flash on any card. The command works with these software versions and hardware:

- Release 2.x firmware and bootcode for the AXIS Shelf Controller (ASC) and all Service Modules
- Release 3.x firmware and bootcode for the ASC and all Service Modules

- Release 4.x bootcode for the ASC and all Service Modules

The **chkflash** command syntax is as follows:

```
shelf.1.<slot>.<type>.<a|s> chkflash
```

```
|-----System Prompt-----| |-----command-----|
```

Here are examples of the **chkflash** command on MGX 8220 modules:

```
a1.1.7.AUSM8.a > chkflash  
Program length = 364867  
Calculated checksum = 8310a907 stored checksum = 8310a907  
Flash checksum passed
```

```
a1.1.4.ASC.a > chkflash  
Program length = 484027  
Calculated checksum = f8ald568 stored checksum = f8ald568  
Flash checksum passed
```

```
a1.1.11.IMATM.a > chkflash  
Program length = 408822  
Calculated checksum = 51d6dbb stored checksum = 51d6dbb  
Flash checksum passed
```

Note: If the **chkflash** command returns a failed checksum, do not reset the module. Instead, TFTP the file again and issue the **chkflash** command again to verify the file's integrity. Reset the module only when the **chkflash** command returns a successful checksum message, as shown above.

Related Information

- [Cisco WAN Switching Solutions – Cisco Documentation](#)
- [Guide to New Names and Colors for WAN Switching Products](#)
- [Downloads – WAN Switching Software](#)
- [Technical Support – Cisco Systems](#)

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