

Verify Behavior Change for Filesystem Synchronization Command Outputs

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Introduction

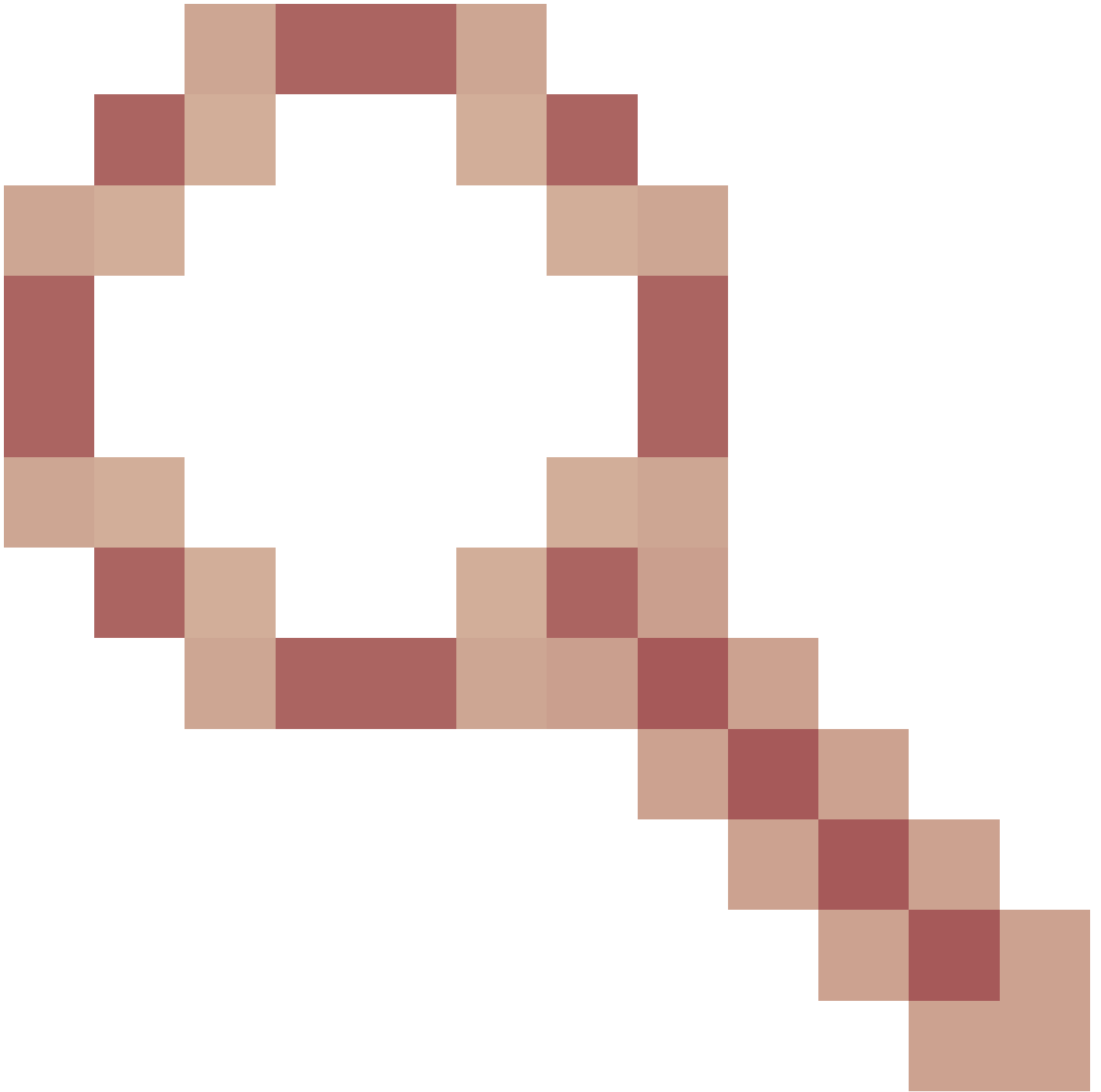
This document describes information on a cosmetic issue related to a behavior change in the CLI output of filesystem synchronize command outputs.

Products Affected

Any ASR5500 or VPC-DI platform can be affected.

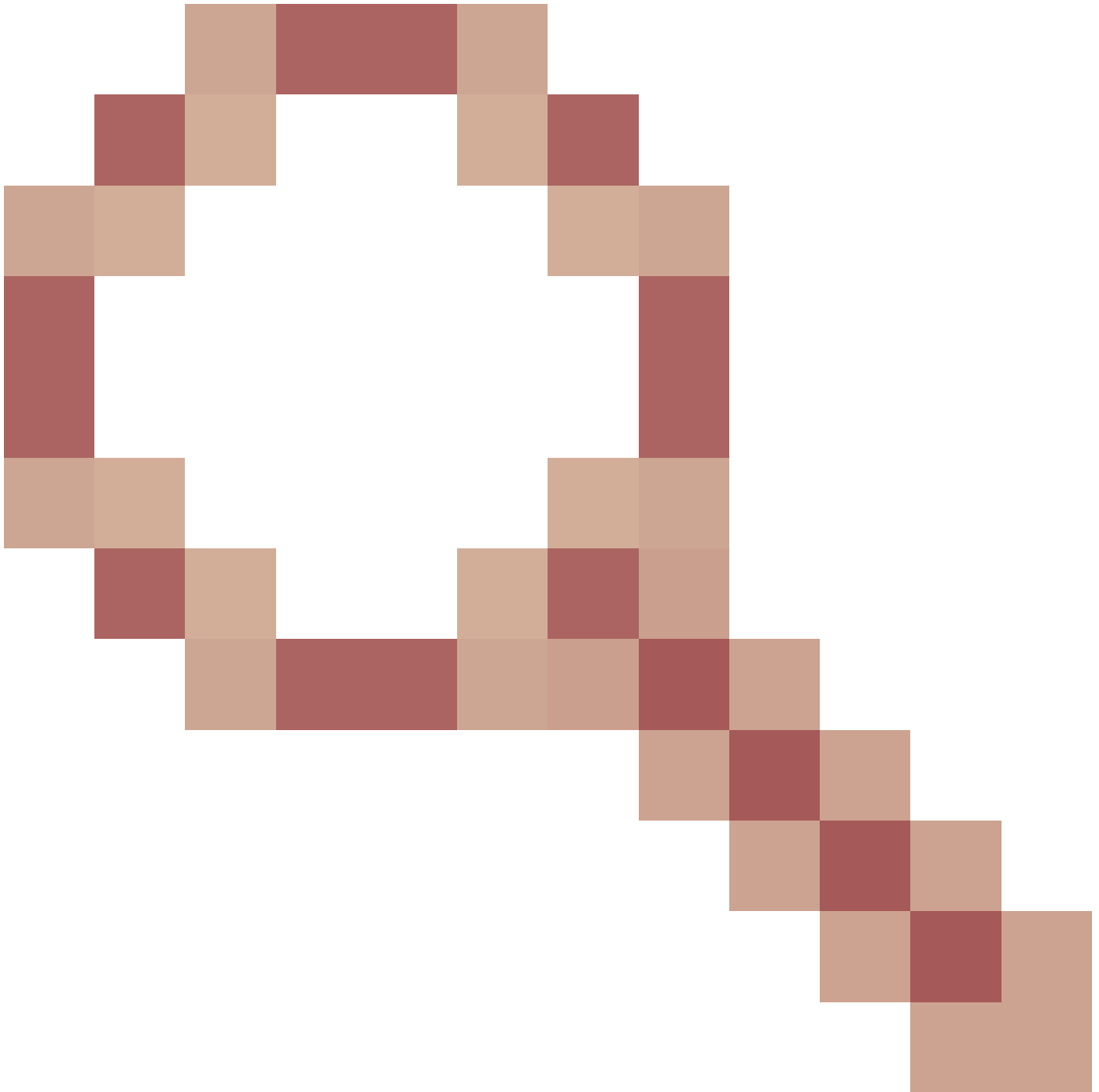
Related CDETS and SR

Cisco bug ID [CSCwi07618](#)



: upgrade rsync

Cisco bug ID [CSCwk56061](#)



: Documentation to update the behavior change for filesystem synchronize command outputs.

Symptoms

There is an issue related to a behavior change in the CLI output of filesystem synchronize command seen in StarOS Rel 21.28.m23 and 21.28.mh14 or later. This can cause some questions as to which files are to be updated when synchronizing files or checking before synchronizing files (check only) between management (MIO or CF) cards on the GW. This is a cosmetic change only and does not affect the filesystem synchronization functionality.

Example:

```
show version
```

```
filesystem synchronize /flash checkonly
```

```
filesystem synchronize /flash
```

With the 21.28.x release (Both vPGW VPC-DI Hermes and ASR5500 - 21.28.mh14 and 21.28.m23 or later) this change in behavior can be observed when running the filesystem synchronize commands.

The past behavior states “No files to update” when all files are synchronized between management cards (MIO or CF). It also lists only the files to be updated but does not list all the files that have already been updated. Output can be observed with or without the /flash or all option.

Example:

```
[local]ASR5500# show version
Wednesday February 12 17:23:36 UTC 2025
Active Software:
  Image Version:          21.26.25
  Image Build Number:    90634
  Image Description:      Deployment_Build
  Image Date:            Mon Jul 17 19:52:57 EDT 2023
  Boot Image:            /flash/sftp/asr5500-21.26.25.90634.Production.ER.bin
  Source Commit ID:      add2fbdb36283a20938771a297d169132e82f0b4
```

```
[local]ASR5500# filesystem synchronize /flash checkonly
Wednesday February 12 17:50:01 UTC 2025
1 to be updated on card 6
  /flash/sftp/testfile.txt
```

```
[local]ASR5500# filesystem synchronize /flash
Wednesday February 12 17:51:20 UTC 2025
1 to be updated on card 6
  /flash/sftp/testfile.txt
```

Are you sure? [Yes|No]: yes

```
Wednesday February 12 17:51:29 UTC 2025
```

```
Updating /flash/sftp/testfile.txt
```

```
*****
```

```
1 updated on card 6
  /flash/sftp/testfile.txt
```

```
[local]ASR5500# filesystem synchronize /flash checkonly
Wednesday February 12 17:51:37 UTC 2025
No files to update
```

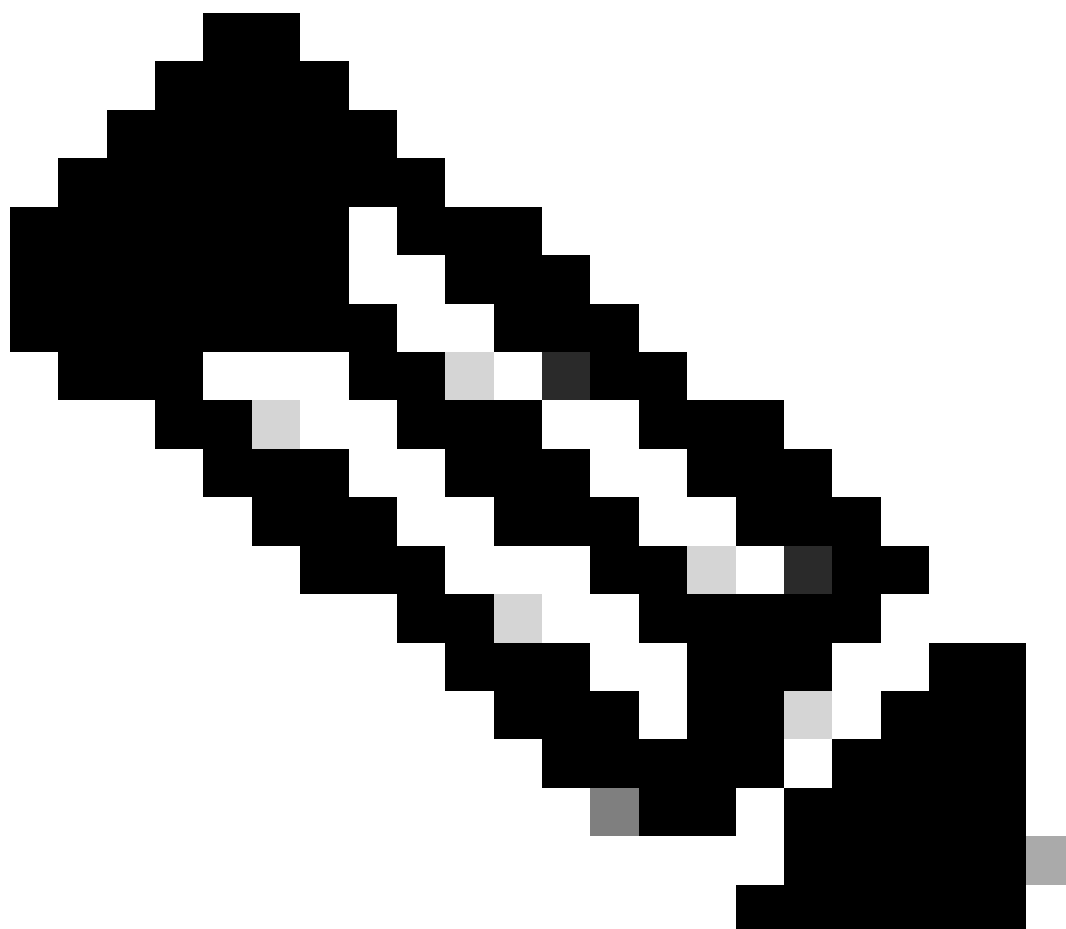
Now, post rsync upgrade in 21.28.x, lists the files, to be updated on card x, but also ALL the files on the card that are already synchronized and adds (but are newer), and then lists all the files:

```
[local]ASR5500# filesystem synchronize checkonly
Thursday January 23 17:27:28 UTC 2025
2 to be updated on card 6
  /flash/sftp/crash-ASR5500-crash-02-02-25914-6791ef21-core
  /flash/sftp/crash-ASR5500-crash-03-00-41201-67916861-core
800 to be updated (but are newer) on card 6
  /flash/.engineInfo
  /flash/.users
```

```
/flash/._.Trashes
..
/flash/sftp/failed_ssd/support_summary_7upq0b.gz
/flash/sftp/failed_ssd/support_summary_k6qk0o.gz
```

An additional example from the CLI Reference Guide – filesystem synchronize (link provided in Fix section).

You must confirm the synchronization before it is initiated. Here is a command output example:



Note: A file named testfile is created to show the behavior.

```
[local]QVPC-DI# show version verbose
Active Software:
  Image Version:          21.28.m23.93622
  Image Build Number:     93622

[local]QVPC-DI# filesystem synchronize /flash checkonly
```

```

2 to be updated (but are newer) on card 2
  /flash/module.sys
  /flash/staros.bin
[local]QVPC-DI#
[local]QVPC-DI# filesystem synchronize /flash checkonly
1 to be updated on card 2
  /flash/testfile
2 to be updated (but are newer) on card 2
  /flash/module.sys
  /flash/staros.bin

[local]QVPC-DI# filesystem synchronize /flash
1 to be updated on card 2
  /flash/testfile
2 to be updated (but are newer) on card 2
  /flash/module.sys
  /flash/staros.bin
Updating /flash/testfile
*****

1 updated on card 2
  /flash/testfile

[local]QVPC-DI# filesystem synchronize /flash checkonly
3 to be updated (but are newer) on card 2
  /flash/module.sys
  /flash/staros.bin
  /flash/testfile

qvpc-di:card2-cpu0# cd /flash
qvpc-di:card2-cpu0# ls -lrth
total 200M
-rw-rw-r-- 1 root    root    195.9M Apr 28 08:17 staros.bin
-rw-rw-r-- 1 root    root    134 Apr 28 08:17 boot.sys
drwxrwxr-x 2 root    root    4.0K Jun 4 06:13 sftp
drwxrwxr-x 2 root    root    4.0K Jun 4 06:13 persistdump
-rw-rw-r-- 1 root    root    156 Jun 4 06:13 module.sys
drwxrwxr-x 2 root    root    4.0K Jun 4 06:13 crsh2
-rw-rw-r-- 1 root    root    3.7M Jun 4 06:13 crashlog2
drwxrwxr-x 3 root    root    4.0K Jun 4 06:14 patch
-rw-rw-r-- 1 root    root    79 Jun 4 06:14 restart_file_cntr.txt
-rw-rw-r-- 1 root    root    17 Jun 4 06:22 testfile
qvpc-di:card2-cpu0# cat testfile
staros 21.28.m23

```

Solution

This issue is understood by Cisco and documentation has been updated to reflect the new behavior.

Cisco bug ID [CSCwk56061](#) - Documentation to update the behavior change for filesystem synchronize command outputs.

Change Description

Book: Command Line Interface Reference Modes E-F

Chapter: Exec Mode Commands (D-S)

Topic:filesystem synchronize

Details: Added the command output example after the Usage Guidelines.

URL: [Command Line Interface Reference, Modes E - F, StarOS Release 21.28](#)

Workaround / Recovery Method

No workaround for this issue is required as this is a cosmetic change and not a change in functionality.

Root Cause Analysis

Changed output of the command, filesystem synchronize /flash checkonly, which is introduced from

21.28.m23 / 21.28.mh14 due to rsync package upgrade Cisco bug ID [CSCwi07618](#).

