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My Home | Products | Downloads | Tools | Cases & Parts | Documentation | Partners |

Downloads >> Software

- Bugs fixed in Data ONTAP 5.2R1
- New features in Data ONTAP 5.2
- System requirements
- On-line documentation
- Software download instructions

Bugs fixed in Data ONTAP 5.2R1

Data ONTAP™ 5.2R1 software fixes the two bugs described in the following table. Read the [Read Me First](#) for important information about these bugs.

Bug ID	Description	New behavior
10723	Newly added disks get spared, possibly destroying file systems.	File system disks (disks that were data or parity disks) do not automatically get turned into spare disks. However, a message appears that informs you that you must reboot to make the disk available or visible to the filer.
10725	Loop recovery timer is 30 retries not 30 seconds	If an FC-AL loop becomes inaccessible or open, the filer that owns the loop attempts to recover the loop for up to 30 seconds. If the loop is still open or inaccessible, the filer halts.

New features in Data ONTAP 5.2

The major new features in Data ONTAP™ 5.2 software include support for

- Clusters. A cluster consists of a pair of NetApp® filers that are connected and configured in a special way to provide fault tolerance. When one filer in a cluster undergoes a system failure and can't reboot, the partner filer in the cluster can take over the failed filer's functions and serve the data on the failed filer's disks. This is known as a takeover. In addition to an automatic takeover, you can issue a command at any time to force a takeover.
- Year 2000 compliance. The Year 2000 Compliance includes the capability to do the following tasks:
 - Handle date information before, during, and after the 1st of January 2000, including but not limited to the following actions:
 - Accepting date input
 - Providing date output
 - Performing calculations on dates, or portions of dates
 - Function accurately and without disruption solely as a result of the change from this century to the next.
 - Respond to two-digit year date input in a way that resolves the ambiguity as to century in a disclosed, defined, and predetermined manner.
 - Store and provide output of date information in ways that are unambiguous to century.
 - Correctly process leap years.
- Hot disk drive insertion. This means that you can now insert a disk without entering any filer commands.

These features work with all previously supported file system protocols as appropriate, including NFS, CIFS, and HTTP.

System requirements

Data ONTAP 5.2R1 has the following system requirements:

- Filer: F630 in a cluster environment.
- Main memory:

No. of disks attached to filer	Amount of main memory
Up to 56	256 MB
57 or more	512 MB

- NVRAM: 32 MB.
- Firmware: 2.1_a1.

On-line documentation

The entire document set is available in HTML and PDF formats in [ZIP](#) (1,611K) or [tar](#) (1,287K) compressed formats.

Note: The Read Me First is not included in the ZIP and tar files.

Documentation in HTML format

Click the following links to view or download the documents in HTML format.

- View the [Read Me First](#) in HTML format.
- View the [document set](#) in HTML format.

Documentation in Adobe Acrobat format

Click any of the following titles to view a document with Acrobat Reader 3.0 or later:

- [Read Me First](#) (12K)
- [Start Here](#) (131K)
- [Software and Firmware Upgrade Guide](#) (192K)
- [Cluster Conversion Guide](#) (1.5 MB)
- [First-Time Configuration Guide](#) (1.5 MB)
- [Quick Reference Card](#) (84K)
- [Command Reference](#) (man pages) (564K)
- [System Administrator's Guide](#) (3.6 MB)

Hardware documentation

Hardware installation instructions for the filers are available in the [Filer Hardware Information Library](#).

Viewing information about bugs

For information about bugs fixed in this release, see [Bugs Online](#).

Software download instructions

If you do not currently have the memory described in System Requirements, order additional memory from our Installed Base Group either by email at ibg@netapp.com or by phone at 1-888-2-NETAPP (263-8277).

After you finish upgrading to Data ONTAP 5.2R1, you can access the FilerView™ program from http://filer_name/na_admin.

After you confirm that you have the required memory, proceed with the download by clicking **CONTINUE**.

Part Number: 210-02248 Rev. A0

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