

Read Me First



Data ONTAP 5.0.1

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Deciding whether to upgrade

Before you upgrade to Data ONTAP™ 5.0.1 software, you need to consider the following: If you upgrade and later find that you need to revert to a pre-5.0 release, be aware that this might cause stale NFS file handles on clients that have mounted directories from the filer. If this occurs, you need to reboot those clients.

New bug in this release

The following bug has been reported in this release:

8396--Small RAID groups can degrade performance.

Bugs fixed in this release

The following table describes the bugs fixed in Data ONTAP 5.0.1. For more information about the bugs, see Bugs on Line on NOW at <http://now.netapp.com/cgi-bin/bol/>

Category	Bug Numbers	Description
File System Backup/recovery	7129	NDMP version 2 tape change frees memory too early, causing the filer to panic
	7623	Creating excessive NDMP sessions can panic the filer
Networking	4126	Panic in fa.c for ATM interface

	7662	Gigabit Ethernet interface can shut down under excess outbound load
	7745	Gigabit Ethernet Link Negotiation is On by default on the filer
RAID	8144	Reconstruction with heavy traffic might cause the filer to panic
	8340	RAID layer can cause parity inconsistency
Others	6940	Panic due to passing freed string to StringExtract
	7643	Cannot boot OS from some attached drives
	7710	"revert_to" from 5.0 to 5.0R1 and 5.0R2 to 4.3.x doesn't fix fsinfo block
	7950	Filer panic on swaps involving 9-GB Low Profile drives
	8108	Policy on jettison of NVRAM changed; needs to be put back to 4.3.x style

Bugs fixed in 5.0R2

The following table describes the bugs fixed in Data ONTAP 5.0R2. For more information about the bugs, see Bugs on Line on NOW at <http://now.netapp.com/cgi-bin/bol/>.

Category	Bug Numbers	Description
RAID	7908	Degraded mode on large RAID array panics
	7931	NFS service stops when reconstruct in progress on a large RAID group

Bugs fixed in 5.0R1

The following table describes the bugs fixed in Data ONTAP 5.0R1. For more information about the bugs, see Bugs on Line on NOW at <http://now.netapp.com/cgi-bin/bol/>.

Category	Bug Numbers	Description
Fibre Channel	7545	FCAL warning message for mode 09 error
File System Backup/recovery	4963	FS activity is very low over PVC ATM
Networking	7373	Oversized packets being transmitted from GbE
	7374	System throughput seriously throttled on GbE
Other	7501	Prevent 5.0 from booting on 486 platforms
	7469	"test lock" operation fails to find locks

Supported filers

Data ONTAP 5.0.1 runs only on Network Appliance® filer models in the NetApp® F200, F300,

F500, F600, and later series.

Minimum memory

To run Data ONTAP 5.0.1, a filer must have at least 128 MB of RAM.

Minimum firmware requirements

To run Data ONTAP 5.0.1, you must install or download the following firmware. If you have not received the Data ONTAP 5.0.1 Firmware Upgrade Kit, you can download firmware on NOW at <http://now.netapp.com/tools/>.

For this filer series...	Download this firmware...
F200 and F300	1.9_i
F500	1.11_a
F600	1.11_a1

New multivolume access commands

Multivolume involves significant changes to the Data ONTAP user interface. For detailed information about these topics, read the *Data ONTAP Release 5.0 Welcome* booklet, the *disk(1)* and *vol(1)* man pages, and Chapters 2 and 3 of the *Data ONTAP Release 5.0 System Administrator's Guide*.

New Network Appliance custom MIB

The Network Appliance custom MIB has been updated to version 1.1.0. It contains new objects that help you manage multivolume features. Download the MIB from NOW at Tools & Utilities. For additional information about the new MIB, refer to the *Data ONTAP Release 5.0 Welcome* booklet and Chapter 4 of the *Data ONTAP Release 5.0 System Administrator's Guide*.

Export point notation

Both `/` and `/vol/vol0` identify the root volume. You can use either form to list exported directories in `/etc/exports`. For most purposes, the two forms are equivalent. However, when an NFS client requests a list of export points from the filer (for instance, as the result of a `showmount -e` command), the filer returns the paths exactly as they appear in `/etc/exports`. This affects the behavior of the automounter. For example, if toaster exports `/`, the automounter mounts the root volume for toaster on `/net/toaster`. However, if toaster exports `/vol/vol0`, the root volume appears in `/net/toaster/vol/vol0`.

If you have more than one volume, use paths of the `/vol/vol0` form for all your export points in the root volume. If you use paths of the `/` form for export points in the root volume, the automounter might not be able to mount directories in other volumes, or it might create new directories in your root volume to serve as mount points.

Fibre channel disk drive failure message

If you are using fibre channel, after certain disk drive failures the following message appears, where *h.d* specifies a disk drive:

```
***** ALERT! *****  
** Drive h.d has failed! **  
** Replace drive at once! **  
*****
```

This message indicates a fatal disk error. If this message appears, replace the specified disk drive immediately. If you do not, data on the filer might become corrupted.

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