

DR Series System

Release Notes For Version 3.2



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Release Notes

These Release Notes are intended to supplement the Dell DR Series system documentation to provide last minute information available for the latest release of the DR Series system software for the DR Series systems, DR4300e, DR4300, and DR6300. These Release Notes contain details about the latest updates, known issues, resolutions, and other information. For a complete list of available DR Series system documentation, see the topic, “Other Information You May Need,” at the end of these Release Notes.



NOTE: For instructions on configuration of DR Rapid devices, see the *Dell DR Series System Administrator Guide*. The guide is available at dell.com/support/home by selecting your specific DR Series system.



NOTE: It is recommended that you check for the latest versions of the DR Series system documentation available from Dell at dell.com/support/home.

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Checking system information

Before troubleshooting issues with a DR Series system, ensure that the installed DR Series system software is up to date. The related drivers, software, and firmware are available at dell.com/support.

To download the latest drivers and firmware for your system, follow the steps below:

1. Go to dell.com/support and enter your service tag or browse to your product.
2. Click **Drivers and Downloads**.
3. Click **View All Drivers**.
4. Confirm that you have the correct product to begin the search for all the related drivers, software, and firmware.

For information about how to check the current version of the DR Series system software installed, see the *Dell DR Series System Administrator Guide* or the *Dell DR Series System Command Line Reference Guide* at dell.com/support/home.

Parent topic

Supported Software and Hardware

For a complete list of the supported hardware and software for the Dell DR Series system, see the *Dell DR Series System Interoperability Guide*. You can download this guide by visiting dell.com/support/home

and selecting your specific DR Series system, which opens the product support page to view product documentation for your system.

Parent topic

Product licensing

If you currently have a DR Series system product license, no additional license is required. If you did not receive your license or require assistance, please visit <https://support.quest.com/contact-us/licensing>.

Parent topic

What's new in this release

This release includes maintenance fixes and enhancements for the DR Series system software. (Refer to the section, "Known Issues and their Resolutions," for detailed information on maintenance fixes.)

 **NOTE:** DR Series system software releases 3.2.6.1 and 3.2.6 are supported only on the DR Series system hardware models DR4300e, DR4300, and DR6300.

Release 3.2.6.1

The following list describes the features and enhancements that are included in the current 3.2.6.1 release.

- **Support for the hardware versions for the Russia market** – This version of the software supports the hardware available for the Russian market.

 **NOTE:** The encryption at rest feature is disabled for this market.

- **Support for the DR2000v** – The latest version of the DR2000v can be used with/registered on DR Series hardware systems running either release versions 3.2.0.2 or 3.2.6.1.

- **FIPS support** –

FIPS 140-2 support has been added.

- **New cleaner statistic for CLI** – When using the `stats -cleaner` CLI command, the last time the cleaner completed is now displayed.

Release 3.2.6

For your reference, the following list describes the features and enhancements that were included in the previous 3.2.6 release.

- **Support for new models of the DR Series system hardware** – This release of the DR Series system software supports the following new hardware appliance models: DR4300e, DR4300, and DR6300.

Parent topic

Open Issues

ID	Issue	Description/Workaround
26585	When performing a RM reset on the DR4300e, it may fail during	Reset the DR Series system from iDRAC console if RM installation

ID	Issue	Description/Workaround
	reboot after installing the RM image.	appears to hang. The system will boot from the hard disk and continue with the RM installation.
25832	RDNFS binary upgrade fails in RHEL 7 client.	Uninstall any existing RDNFS package and then install the new one.
25820	During a software upgrade in the GUI, an issue occurs on the Software Upgrade page, displaying the Global View link (which is not accessible) and showing the iDRAC address as N/A.	Clicking global view on the menu should not be supported during an upgrade. This can be ignored in the GUI since it cannot be accessed.
24597	CIFS usage graph shows that there are CIFS writes when running iSCSI I/O only.	The statistics reported on the iSCSI graph are accurate. Due to a bug, false statistics are reported on the CIFS graph, which can be ignored. It will be fixed in a future release.
23709	Changing the machine host name does not get updated properly in all components.	This issue does not cause known failures to the normal operation of the DR Series system and can be ignored. It will be fixed in a future release.
20553	Specific umount options do not work for Rapid NFS.	The -l and -f options are not supported in the rdnfs umount procedure.
20426	Replication traffic that is configured to go through an assigned bond may still run through the default bond (bond0).	If you want to run replication traffic through another bond interface, contact Technical Support to update the route.
18837	Manual modifications made to the Rapid NFS rdnfs.cfg file are not preserved between plug-in updates.	Manually modify the rdnfs.cfg again after upgrading the plug-in.
17294	A NetVault Backup data copy or duplication will stop if the DR Series system goes into maintenance mode as it moves into a read-only condition when this occurs.	Restart the datacopy operation after the DR Series system enters the operational mode.
17206	Advanced networking allows you to change the IP of an interface that is part of a replication link.	Understand your current configuration before adding new advanced networking configuration so that you do

ID	Issue	Description/Workaround
		not impact the current system configuration.
16280	When you try to get replication statistics, the system displays the Software error: Use of uninitialized value in division (/) at helper.pl line 3548 error.	This is due to the replication target not being in an operational state. Correct the replication target and refresh or use the CLI. The information is available by using the command line. We will correct this error in a future release.

Parent topic

Known issues and resolutions

The following table lists known issues and related resolutions addressed in this DR Series system release.

ID	Issue	Resolution
28484	DR4300 systems displayed incorrect drive sizes/capacity for 4TB drives when using RM factor reset.	This has been fixed in the release 3.2.6.1 RM package.
27625, 27555	Replication was encountering system crashes in some rare cases.	This has been fixed in release 3.2.6.1.
26721	NDMP VTL device appears offline.	This has been fixed in release 3.2.6.1.
26685, 25675	ocafsd was crashing on cleaner code in some rare instances.	This has been fixed in release 3.2.6.1.
25908	NDMP restore fails when backup is restarted with CommVault Simpana with large amounts of data.	This has been fixed in release 3.2.6.1, and NDMP Backup Restartable Extensions (BRE) are now supported.

Parent topic

Resolutions for earlier releases

The following table lists known issues, descriptions, and related solutions or workarounds for the previous DR Series system 3.2.6.

ID	Issue	Workaround/Solution
23879	Backup spanning across multiple tapes fail when 10 GB tape is used for Microsoft DPM.	Recommendations for backups spanning multiple tapes are documented in the DR Series best practices guide for Microsoft DPM available for your specific DR Series system at dell.com/support/home .
23641	<p>Cannot join into the domain by adding a DR Series system to multiple OUs.</p> <p>In the authenticate command type the format as follows: <code>--ou topLevelOU/middleLevelOU/LowerLevelOU/TargetOU</code> This format for adding OUs is now documented in the latest <i>Dell DR Series System CLI Guide</i>.</p>	This was addressed and documented in release 3.2.6.
20870	<p>RPC replication errors may be seen during replication from source DR Series system to target DR Series system. The primary and secondary replication target should have the same MTU setting. Replication proceeds once the MTU is set to the same as the replica target. This recommendation has been added to the section, "Managing Replication Operations," in the latest <i>Dell DR Series System Administrator's Guide</i>.</p>	This was addressed and documented in release 3.2.6.
20539	After installing Rapid CIFS Filter Driver, an incorrect driver version is displayed.	<p>Addressed and documented in release 3.2.6.</p> <p>If at the end of successful installation, the version of the driver loaded (which can be checked using <code>rdcifsctl.exe driver -q</code>) is lower than the version of the installed package (listed under Control Panel > Installed products), then you should restart the machine. This issue can occur if the system fails to rename/delete driver files under the system folder.</p>
20456	Installation of SSL Certificate file in the GUI failed on Internet Explorer (IE) when using Remote Desktop.	<p>Addressed and documented in release 3.2.6.</p> <p>When uploading the certificate file, the GUI uses the file name with the whole path, which works when uploading on a local</p>

ID	Issue	Workaround/Solution
		<p>system. When using RDP, in the IE browser settings, you need to disable the "Include local directory path .." setting, as follows.</p> <ol style="list-style-type: none"> 1. Under Internet Options > Security, in the "Internet" or "Intranet" area, click Custom Level. 2. In the Security settings, scroll down to Include local directory path when uploading files to a server and ensure it is not selected. 3. Click OK and the refresh the browser.
20424	<p>The following message may appear on the console: "vx_nospace..." even if the system still has space.</p>	<p>Addressed and documented in release 3.2.6.</p> <p>This message is a result of trying to allocate a large contiguous block. The allocation of the contiguous block might fail, in which case, allocation continues without trying to keep the file contiguous. The vx_nospace error may appear, and this message can be safely ignored.</p>
20188	<p>When using cascaded replication for a large number of files (1M+), it may appear to take some time to see the actual files on the secondary target.</p>	<p>Addressed and documented in release 3.2.6. Namespace resync has to complete on the source and primary target and then data transfer has to start on both before transferring to the secondary target. Once the namespace resync completes on the first replication pair, resync then starts on the second replication pair. Until the namespace resync completes on the second pair, no data is transferred. This ensures the namespace resync completes faster and the snapshot can be deleted faster.</p>
20009	<p>User is able to create/write a file/directory in the share/container even though the user has only read permissions (file-level/security-level) on the share.</p>	<p>Addressed and documented in release 3.2.6. You can block write/create operations for a particular domain user by adding an extra 'Deny' 'write' acl for that user. (This issue occurs on the Windows 2008 client.)</p>

ID	Issue	Workaround/Solution
19884	RDA plugin logging is not generated by default on physical hosts protected by vRanger because the plugin log service delldrlogsvc.exe is not installed by default.	<p>Addressed and documented in release 3.2.6. To enable RDA plugin logging on physical hosts:</p> <ol style="list-style-type: none"> 1. Copy %INSTALLDIR\Dell\RDA\dynlib\delldrlogsvc.exe from the vRanger server to the %INSTALLDIR\Dell\vRangerPhysicalClient\<timestamp>rofs directory on the physical host. 2. Change the directory to: %INSTALLDIR\Dell\vRangerPhysicalClient\<timestamp>rofs 3. Run the command: delldrlogsvc.exe install 4. Run the command: delldrlogsvc.exe start
19552	When there is no data to replicate (for example, replication state is INSYNC), replication statistics might indicate a target is running out of disk space even though the target has enough space.	<p>Addressed and documented in release 3.2.6. This occurs because the replication process detected target space full condition when there is pending data to be replicated, but, at a later time, that pending data was removed and replication was insync. We do not query target disk state when replication is idle. On a similar note, we might not indicate target space full condition when there is no data to replicate as well. An error state in the replication statistics makes sense only when replication is not in sync.</p>
19485	Adding a host name does not work if you use a FQDN and the host name has letters in it.	<p>Addressed and documented in release 3.2.6. You can add names as long as the name is made only of numbers and it is not a FQDN where a period is used in the name string.</p>
19186	If you change the hostname or the domain name after setting up the DR Rapid plug-in, then you may get the wrong backup mode pass-through or de-dupe.	<p>Addressed and documented in release 3.2.6. Uninstall and then reinstall the DR Rapid plug-in for this information to be set correctly.</p>
19023	Events information is not captured in the GUI when the date and time under System Configuration is changed to a date and time in the past.	<p>Addressed and documented in release 3.2.6. This type of event information is captured in the CLI, by using the -show -alerts more command.</p>

ID	Issue	Workaround/Solution
18848	In the Internet Explorer 9 and 10 browsers, when you navigate to a DR Series system from within Global View , and then log out of that system and return to Global View , you are logged out of the machine running the Global View .	Addressed and documented in release 3.2.6. This issue does not occur with any other supported browser. For browser information, see the <i>Dell DR Series System Interoperability Guide</i> .
18178	The AIO-Stress tool fails when using Rapid NFS.	Addressed and documented in release 3.2.6. Rapid NFS, which uses FUSE, does not support AIO.
18501	Rapid NFS performance drops significantly with parallel NFS ingest from same client.	Addressed and documented in release 3.2.6. When using Rapid NFS on your client, it is suggested that you do not run NFS from the same client to the DR Series system in parallel as this will affect your overall performance.
18144	A File name too long error is displayed after trying to create a directory structure that exceeded 522 directories.	Addressed and documented in release 3.2.6. The limit on a path within a mount point is 4096 bytes.
18022	Windows 2008 and newer servers cannot assign local users (other than administrator) to Access Control Lists (ACLs). Windows 2008 and later does not query the local users on the DR Series platform.	Addressed and documented in release 3.2.6. Assign ACLs to the built-in Administrator user on the DR Series platform if using Windows 2008 and later.
17661	If the cable is removed from a network interface and the network is restarted, the interface does not get an IP. If you then reinsert the cable, you must restart the network to get an IP.	Addressed and documented in release 3.2.6. Ensure that the interfaces that you want to add or modify are connected when making Advanced Networking changes. To restart the network, type <code>network --restart</code> at the CLI command line.
17193	DR Rapid critical message <code>Alert RDS Restore failed</code> reported on DR4x00 system. In addition to the error, an event is generated internally in the DR Rapid plug-in when the read operation fails	Addressed and documented in release 3.2.6. The DR Rapid plug-in generates events for any kind of read failures.
16745, 17621	If you have the same client for OST and RDS operations and you manually update the client connections, unexpected messages are displayed as:	Addressed and documented in release 3.2.6. To work around the issue, use a different client for OST and RDS rather than

ID	Issue	Workaround/Solution
	<pre>[root@swwsys-49 ~]# stats -- clients --type RDA RDA Client(s) Type plug-in OS Backup Software Last Access Connection(s) Mode r310-sys-39 RDS -- -- -- -- 0 Default [root@swwsys-49 ~]# ost -- update_client --name r310- sys-39 --mode auto Client is connected with default values. Please update to non-default values.</pre> <p>In Linux systems, the RDS plug-in installation fails if the OST plug-in is already installed in the system</p>	sharing the same machine for both protocols.
16660	When BE has an issue connecting to the server, it may not return detailed errors to the OST plug-in.	Addressed and documented in release 3.2.6. See the client log files for the detailed information on the connection failure.
16427	When upgrading your system using the iDRAC, if the upgrade package also contains new iDRAC firmware, the upgrade fails to complete.	Addressed and documented in release 3.2.6. Upgrade the DR code using the CLI or GUI using the normal network interface and not the iDRAC.
16053	After you install the Rapid CIFS plugin and replication operations are performed, you receive a blue screen and the following error: STOP 0x00000027 (parameter1, parameter2, parameter3, parameter4) RDR_FILE_SYSTEM	Addressed and documented in release 3.2.6. This is a Microsoft bug that occurs on shared network resources on a computer that is running Windows Server 2008 R2 or Windows 7. To fix, see the Microsoft KB2584874.
9433	The dedicated hot spare is not automatically configured after replacing the hot spare drive in slot 0.	Addressed and documented in release 3.2.6. If the hot spare is replaced, run maintenance by using the <code>--make_standby</code> command. Contact Dell Technical Support for this action.

Parent topic

Third Party Components

This product contains the third-party components listed below. For third-party license information, go to <http://software.dell.com/legal/license-agreements.aspx>.

Source code for some components can be found at <http://opensource.dell.com>.

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Component	License	Notes
keyutils utility 1.2.1.el5	GPL (GNU General Public License) 2.0	A copy of the license can be found below at GNU (Lesser General Public License) 3.0
libtalloc2 2.0.8.24.1	GPL (GNU General Public License) 3.0	A copy of the license can be found below at GNU (Lesser General Public License) 3.0
libsigc++20 2.2.4.2.1.el6	GPL (GNU General Public License) 2.0	A copy of the license can be found below at GNU (Lesser General Public License) 3.0
libxml++ 2.30.0.1.el6	GPL (GNU General Public License) 2.0	A copy of the license can be found below at GPL (GNU General Public License) 2.0
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Version 2, June 1991

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Parent topic

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Version 3, 29 June 2007

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Version 3, 29 June 2007

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Parent topic

Getting Help

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[Contacting Dell](#)
[Locating Service Tag of your system](#)
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Other Information You May Need

i **NOTE:** The following table lists the documentation available for the Dell DR Series systems. The documents listed are available at dell.com/support/home by selecting your specific DR Series system. For more information about DR Series system hardware, see the safety and regulatory information that shipped with your DR Series system. Warranty information may be included as a separate document.

Document

Description

Dell DR Series System Getting Started Guide

Provides an overview of how to set up the physical DR Series system hardware and includes technical specifications.

Dell DR Series System Owner's Manual

Provides information about applicable physical DR Series system features, troubleshooting the DR Series system, and installing or replacing the DR Series system components.

Dell DR2000v Deployment Guide

Provides information about deploying the virtual DR Series system, DR2000v, on supported virtual platforms.

Dell DR Series System Administrator Guide

Provides information about managing backup and replication operations using the DR Series system GUI.

Dell DR Series System Interoperability Guide

Provides information on supported hardware and software for the DR Series systems.

Dell DR Series System Command Line Reference Guide

Provides information about managing DR Series system data backup and replication operations using the DR Series system command line interface (CLI).

i **NOTE:** Always check for the latest documentation and document updates at dell.com/support/home and select your specific DR Series system. Read any document updates first because they often supersede information in other documents.

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Locating Service Tag of your system

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Documentation feedback

Click the **Feedback** link in any of the Dell documentation pages, fill out the form, and click **Submit** to send your feedback.

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