Release Notes:
Actifio 10.0.6 Cumulative Hotfix 3261

Actifio VDP: rollup-CDS10.0.6.3274-Feb-03-2025.gpg

Actifio Global Manager: patch-AGM-actifio.10.0.6.215.gpg

This document includes release notes for **Hotfix 3261** to Service Pack 1 of Actifio VDP 10.0.6 (AGM, VDP, and Sky) and all other hotfixes in Actifio VDP 10.0.6. The release notes for Service Pack 1 are also included.

Hotfix 3261 Announcements

ANNOUNCEMENT	The old report manager from 10.0.5 and earlier has been completely removed. It is no longer supported. If you must use the old report manager (not the new Excel-based report manager) then do not upgrade AGM to any 10.0.6 MHR.

ANNOUNCEMENT	Added changed block tracking (CBT) support to RHEL 8.8 (kernels 4.18.0-477.36.1 and later) and RHEL 8.10 kernels. RHEL 8.8: 4.18.0-477.10.1.el8_8, 4.18.0-477.13.1.el8_8, 4.18.0-477.15.1.el8_8, 4.18.0-477.21.1.el8_8, 4.18.0-477.27.1.el8_8, 4.18.0-477.36.1.el8_8, 4.18.0-477.43.1.el8_8, 4.18.0-477.51.1.el8_8, 4.18.0-477.55.1.el8_8, 4.18.0-477.58.1.el8_8, 4.18.0-477.64.1.el8_8, 4.18.0-477.67.1.el8_8, 4.18.0-477.70.1.el8_8, 4.18.0-477.75.1.el8_8, 4.18.0-477.81.1.el8_8, 4.18.0-477.83.1.el8_8 RHEL 8.10: 4.18.0-553.el8_10, 4.18.0-553.5.1.el8_10, 4.18.0-553.8.1.el8_10, 4.18.0-553.16.1.el8_10, 4.18.0-553.22.1.el8_10, 4.18.0-553.27.1.el8_10, 4.18.0-553.30.1.el8_10, 4.18.0-553.32.1.el8_10, 4.18.0-553.33.1.el8_10

ANNOUNCEMENT	Added CBT and updated UDSAgent support to RHEL 9.4 and 9.5 kernels RHEL 9.4: 5.14.0-427.13.1.el9_4, 5.14.0-427.16.1.el9_4, 5.14.0-427.18.1.el9_4, 5.14.0-427.20.1.el9_4, 5.14.0-427.22.1.el9_4, 5.14.0-427.24.1.el9_4, 5.14.0-427.26.1.el9_4, 5.14.0-427.28.1.el9_4, 5.14.0-427.31.1.el9_4, 5.14.0-427.33.1.el9_4, 5.14.0-427.35.1.el9_4, 5.14.0-427.37.1.el9_4, 5.14.0-427.40.1.el9_4, 5.14.0-427.42.1.el9_4 RHEL 9.5: 5.14.0-503.11.1.el9_5, 5.14.0-503.14.1.el9_5, 5.14.0-503.15.1.el9_5, 5.14.0-503.16.1.el9_5, 5.14.0-503.19.1.el9_5

ANNOUNCEMENT	Added changed block tracking, updated UDSAgent to support SLES 15.6 kernels.

Hotfix 3261 Resolved Issues

Fixed	310032175
Issue	MONIT had some incompatibilities with the new OS.
Fix	Removed use of MONIT

Fixed	384837055
Issue	[Report Manager] Not listing the additional columns in the Excel spreadsheet when "Include dedup and network traffic" filter is "TRUE". Also observed in "Resource Consumption by application" report.
Fix	This has been fixed

Fixed	277010691
Issue	Restore Job on customer environment failed as appliance could not add Raw Device Mappings to the virtual machine.
Fix	This has been fixed

Fixed	317494264
Issue	In some cases, AGM synchronization with Sky appliances fails.
Fix	This has been fixed

Fixed	343878913
Issue	Unable to apply additional column views in Manage > Hosts > Discovered Applications window. If you attempt to add a new column such as "App Type", you can select it to be added, but can then never close out of the column selection pane, to apply the settings or additional columns.
Fix	This has been fixed

Fixed	374074951
Issue	Db2 database backup fails with error "No protectable databases found in instance. Found offline applications: <xxxx>"
Fix	This has been fixed

Fixed	387477852
Issue	AGM session timeout is not happening after explicitly setting it, you must log out from AGM session manually after the set timeout period is over.
Fix	This has been fixed

ISSUE	338916873
Issue	The Report tab in the AGM now opens a popup that displays the RM Excel sheet link. When you click on the Report menu you may see a `Report Manager Setup Reported Error Bad Gateway` error.
Workaround	If the RM Excel sheet link does not appear, then: ● If the AGM version is above 10.0.6.164, perform `srvmon restart tomcat` ● If it is earlier, then perform `monit restart all` The popup should appear with the RM Excel sheet link. You can also download the RM Excel sheet here.

Hotfix 3261 Fixed Security Vulnerabilities

Security	AGM/Sky: 384625256
AGM/Sky	CVE-2024-52316: CVSS 2: 9.8, CVSS 3: 9.8 CVE-2024-52317: CVSS 2: 6.5, CVSS 3: 6.5

- - END OF HOTFIX 3261 RELEASE NOTES - -

Actifio VDP 10.0.6 Release Notes

This document includes release notes for Actifio AGM, VDP, and Sky. This Service Pack includes all of the changes in all of the [Service Pack 5 monthly hotfix roll-ups](#).

Actifio 10.0 SP6 contains bugfixes, interoperability fixes, functional changes, and includes mandatory OS changes to ensure long-term supportability.
The latest patch files Sky 10.0.6.302 and AGM 10.0.6.164 incorporate several improvements to the upgrade procedure from Sky/AGM 10.0.5, to increase reliability and predictability of the upgrade.

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NOTE: This upgrade is not for physical (CDS and CDX) appliances. All physical appliances are out of support.

Service Pack 6 Release

Service Pack 6 Files

Actifio Global Manager: Get the latest file from Actifio Support
Actifio Sky: Get the latest file from Actifio Support
Actifio Report Manager: This has been deprecated. See [New Report Manager Tool](#) for details.

Before Upgrading

CAUTION: This release includes a change of operating system for the VDP database, from the deprecated CentOS 7 to Rocky 8. Before upgrading any appliance, be sure to back up the appliance. (334849955)

Upgrade Procedure

The upgrade procedures are in:
- AGM: https://docs.actifio.com/static/10.0#installing_actifio_global_manager_agm
- Sky appliance: The Sky appliance must be done with help from Actifio Support.

New Report Manager Tool

See https://docs.actifio.com/static/10.0/PDFs/SP6_ReportManager.pdf

Service Pack 6 Announcements

ANNOUNCEMENT	CentOS Linux is EOL on **June 30, 2024**. This release upgrades the appliance Linux OS from CentOS 7 to Rocky 8 Linux. Resiliency Director and Big Data Director (NAS Director) are no longer available in this release.

ANNOUNCEMENT	New excel based reporting solution is now available to view and generate reports. For more details, see Report Manager.

ANNOUNCEMENT	File cataloging is no longer available in this release.

ANNOUNCEMENT	Due to dependencies on CentOS, which is EOL on **June 30, 2024**, it is not possible to continue to support the 10.0.5 and earlier versions beyond this date. Google recommends all customers running the 10.0.5 release of Actifio software to upgrade to the 10.0.6 release as soon as possible. For easier tracking of the migration events from Actifio 10.0.5 to 10.0.6 you can check the timeline below: ● May 15, 2024: Actifio 10.0.6 will be available and customers should begin upgrading at their earliest convenience. ● From May 15, 2024 - June 30, 2024: Support for the 10.0.5 version will be limited and not all issues will be resolvable. ● June 30, 2024: Actifio VDP 10.0.5 will reach End of Support Life and no more fixes will be possible.

Service Pack 6 Resolved Issues

Fixed	**315848937**	
	Issue	[SAP HANA only] In the application Details & Settings, the option "Retention of production DB logs in days" is irrelevant.
	Fix	"Retention of production DB logs in days" has been removed. "Retention of production db logs in hours" is still valid and it has been retained.

Fixed	299221034
Issue	The command omdtool espcleanup sometimes fails with the error `1177  hostmap.cpp: No such file or directory.`
Fix	This has been fixed.

Fixed	331738476
Issue	Importing onvault images from one appliance to another results in duplicate pools.
Fix	This has been fixed.

Fixed	267274683
Issue	The "Auto Create User" feature is irrelevant in the GUI.
Fix	The "Auto Create User" option has been removed.

Fixed	351338519
Issue	The `/etc`, `/opt`, and `/usr` directories fail to move from `/oldroot` or `/newroot` to `/rootdir`.
Fix	Any external processes or open terminal sessions should not be running during maintenance or upgrade.

Fixed	330659987
Issue	During SP5 to SP6 upgrade, the root backup is moved to `/oldroot`. Keeping this can become a security risk.
Workaround	`/oldroot` will be deleted automatically after two days. If any failure or customization does not work after upgrade, check the file and re-copy it (if required) within two days after upgrade.

Feb 12, 2025

Service Pack 6 Known Issues

ISSUE	356092561
Issue	[HyperV AGM and Appliances only] Connect to the VM through the HyperV serial console, and try to reboot. The boot logs do not print on the serial console during the reboot operation.
Workaround	On the boot screen, edit the kernel option and add `console=tty0`. After editing, boot logs should start printing on the serial console. If you can log in to the VM, the above fix is not required.

ISSUE	360916549
Issue	Email alerts for the event "CDS 42356" with description "AIDE State has changed to disabled" may be received after the upgrade to Sky-10.0.6.
Workaround	No workaround. These alerts can be ignored.

ISSUE	334849955
Issue	During upgrade to SP6 the deprecated OS CentOS is replaced with Rocky8 OS. If the upgrade fails for any reason, it cannot be rolled back.
Workaround	Make a backup image of the appliance before upgrade, to be used to restore it to its previous state in the event of failure.

ISSUE	339766144
Issue	[Generic applications only] When protecting a Generic application in the AGM, a radio button exists for the unsupported In-Band option. This button does nothing, it will be removed in a future release.
Workaround	No workaround.

ISSUE	300084945
Issue	[Db2 only] Mount & Migrate to a new instance using a volume based backup may fail during the migrate script post mount job with an unmount error in nohup in the archive log.
Workaround	Ensure /etc/fstab has /dev/mapper entries for production data and log volumes.

ISSUE	**298204298**
Issue	[Db2 only] Restore jobs using a Full +Incremental backup image to a new target host fail due to a missing script argument.
Workaround	The script to mount a database to a new target requires the argument: ACT_JOBNAME: the jobname of the standard mount job.

ISSUE	**331561776**
Issue	Remounting an OnVault image fails with "Actifio Connector: Failed to mount/clone/mount and migration applications from mapped image. failed" error.
Workaround	Unmount+delete the mounted image then remount the image.

ISSUE	**322314488**
Issue	[Report Manager configured for AGM+deprecated Catalog] The catalog feature has been deprecated.
Workaround	If you might need to add the legacy Report Manager before it is deprecated in November, then contact support. Note: New installations automatically have the Report Manager enabled.

ISSUE	**338916873**
Issue	The Report tab in the AGM now allows you to download the new Report Manager Excel sheet. A popup displays the RM Excel sheet link along with information about RM deprecation. This does not open any of the previous deprecated RM functionality. If you click on the Report menu and get a: `Report Manager Setup Reported Error Bad Gateway` error: • After upgrading AGM-RM to the latest SP6 AGM-RM if Jasper is enabled • After a fresh install of SP6 AGM-RM if Jasper is enabled
Workaround	If the RM Excel sheet link does not appear, then: • If the AGM version is above 10.0.6.164, run: `srvmon restart tomcat` • If the AGM version is earlier, then: `monit restart all` The popup should appear with the RM Excel sheet link. You can also download the RM Excel sheet here.

ISSUE	**331325805**

Issue	[AIX and HPUX] You may see different 10.0.6.xxxx versions for connector before and after installation. For example, during the installation the version might say:
	`$ installp -aXgd connector-AIX-10.0.6.43.bff all`,
	And after installation if you check for the current version then it may say:
	`$ cat /act/etc/key.txt`
	`Connector: 10.0.6.8747`

Workaround	The SP6 connectors are built using different systems from the SP5 connectors being replaced. If the first part is 10.0.6, then the connector is at the latest version.

ISSUE	**333482228**
Issue	Logs are deleted from the log staging disk even if log expiration has been set to OFF with `udstask setparameter log-expiration off`.
Workaround	No known workaround.

ISSUE	**330659987**
Issue	During sp5 to sp6 upgrade, the root backup is moved to /oldroot. Keeping this can become a security risk.
Workaround	Once the upgrade is successful, then /oldroot can be removed. Verify `/etc/os-release` shows Rocky 8 and check that all services are running for some time or at least run one successful job after the upgrade. Then remove /oldroot by using this command at the CLI: `rm -rf /oldroot`

ISSUE	**332343887**
Issue	Warning message (WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED!) appears when you ssh for the first time to SP6 Sky or AGM after upgrade.
Workaround	The message may be displayed as something similar to `Offending RSA key in /home/Administrator/.ssh/known_hosts:102` /home/Administrator/.ssh/known_hosts is the file with the problem, and the number at the end is the line number in the file where the problem is. Edit that file to remove the indicated line (in this example, line 102) and then try again to ssh.

ISSUE	**328331565**

Issue	[Catalog] While upgrading any SP5 to SP6, if `enableglobalcatalog` is enabled (true or 1), then the upgrade to SP6 will result in preflight error similar to this:
	
	`localhost:/act/pg/update/upload # udstask installupdate`
	
	`ACTERR-010023 Installation failed during preflight check.`
	`Last error: SEVERE:  Catalog feature is enabled on sky.`
	`Please disable the catalog feature flag and then proceed for`
	`upgrade.`

Workaround	To update the catalog flag to false (execute the commands from Sky CLI):
	
	1. View the parameter value:
	
	`udsinfo getparameter -param enableglobalcatalog`
	
	2. Update the parameter value:
	
	`udstask setparameter -param enableglobalcatalog -value false`
	
	This udstask command for catalog flag is not supported in SP6. Trying to execute it from an SP6 appliance will result in an exception.

ISSUE	**356999019**
Issue	Preflight checks fail to identify network configuration anomalies. ● The preflight check fails with the error "Incorrect mapping for '$NIC' or '$MAC". It means that the 70-persistent.rules file is corrupted, or has missing values. ● The preflight check fails with the error "70-persistent rules file does not exist or is empty". It means the 70-persistent.rules file is not present, or it doesn't have any content.
Workaround	Note the following before fixing the issues: ● Don't reboot if the preflight check fails due to mismatch in the number of entries in 70-persistent.net.rules against ip link show command output. ● After each step, wait for at least 10 seconds so that the changes are applied. ● Login as root user into the appliance, then run the following commands.

ISSUE	356999019
	1. Take a backup of the 70-persistent rules file (if it exists). ○ cp /etc/udev/rules.d/70-persistent.rules /tmp/70-persistent.rules 2. Delete the 70-persistent.rules file. ○ `rm -rf /etc/udev/rules.d/70-persistent.rules` 3. Run the command to regenerate the file. ○ `/sbin/udevadm trigger --type=devices --action=add` If Step 3 doesn't generate all adapter entries in 70-persistent.net rules, perform step 3 multiple times until the preflight check succeeds.

Service Pack 6 Fixed Security Vulnerabilities

Security	**AGM/Sky:** 302359681 **AGM/Sky OWASP:** **Report Manager OWASP:** 333026669, 335367207, 330492208
AGM/Sky	cve-2023-38408 (9.8)
AGM/Sky OWASP	none
Report Manager OWASP	CVE-2022-44730(4.4) CVE-2024-29133(4.4) CVE-2024-30172(5.9) CVE-2024-30171(5.9) CVE-2024-29131(6.5) CVE-2024-29857(7.5) CVE-2022-44729(7.1) CVE-2023-46604(9.8) CVE-2023-34462(6.5) CVE-2023-51074(5.3) CVE-2024-21634(7.5) CVE-2023-34453(7.5) CVE-2023-34454(7.5) CVE-2023-34455(7.5) CVE-2023-43642(7.5)