



StorageGRID 11.8

Release notes

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StorageGRID 11.8

These release notes provide information about the fixed and known issues for this release of StorageGRID.

Upgrade StorageGRID

- If StorageGRID is already running in your environment, familiarize yourself with:
 - [New and changed features](#)
 - [Removed or deprecated features and capabilities](#)
 - [Known issues](#)
- Follow the detailed [instructions and guidelines for upgrading StorageGRID](#).

The upgrade instructions include important information about the pre-upgrade and post-upgrade tasks you need to perform, including any precautions you need to take.

Install StorageGRID for the first time

- See the [StorageGRID documentation site](#) for instructions.

Compatibility information

- See the [NetApp Interoperability Matrix Tool](#).

Questions and feedback

- Contact [NetApp Support](#) if you have questions about the release.
- Send feedback about the [StorageGRID documentation site](#) to doccomments@netapp.com.

Issues fixed in StorageGRID 11.8.0

The following issues were fixed in StorageGRID 11.8.0.

0041395: Fixed issue where newly updated certificate wasn't used until restart of mgmt-api service on SSO configuration page

0044091: False warnings might appear while upgrading from StorageGRID 11.6 to 11.7 under certain conditions

0044695: Removing a site from an existing storage pool does not update the displayed site count

0044751: Disabled Gateway Node IP and subnet of an HA VIP change if using a configured base interface. Currently, all high availability (HA) groups that share interfaces must have the same subnet and gateway. If the interface is configured, the gateway of the configured interface is used. Otherwise, the first HA group that includes an interface defines the gateway.

0044761: AWS does not allow ListAllMyBuckets in bucket policy.

0044946: Correct the situation where, in some instances, the load balancer endpoint firewall rule was missing after upgrade to StorageGRID 11.6

0045003: Improve handling of NextMarker or ContinuationToken on listobjects timeout

0045005: Fixed issue where second site decommission was not progressing

0045088: Correct situation where a decommissioned node may prevent volume restoration status information

0045092: Add Grafana charts and lumberjack logs to improve supportability and identify network impacts to Cassandra

0045093: Limit retries on bucket-create to prevent potential outage condition

0045115: Correct situation where routed networks were not supported with multiple HA groups on unconfigured interfaces and VLANs. The default route was being removed when one of the VIPs that share an interface moved off the node. StorageGRID now triggers the addition of the route back when other HA groups/VIPs share an interface.

0045176: Add alerts on Admin Network and other interfaces to detect congestion. Alerts are now triggered when a network interface reaches a significant percentage of total bandwidth. For example, alerts will trigger when a lower bandwidth interface, such as the Admin Network on appliances, is overused.

0045192: Reduce latency induced by invalid request to a service that is shutting down

0045222: Stabilize grid performance under Veeam usage patterns with large number of keys in the bucket

0045305: Revise validation checks used for display within internal grid services and support logs

0045368: Update `get-bucket-encryption` response to match AWS

0045374: Correct hyperlink in **Alerts > Unable to communicate with node > startup grid nodes**

0045376: Fixed SNMP handling of USM usernames with special characters

- 0045399:** Adjust resource allocations to ensure Prometheus metric collection during QoS updates
- 0045491:** Improve resiliency of QoS enforcement on heavily loaded grids
- 0045510:** Adjust memory allocation for load balancer metrics generation and Prometheus collection
- 0045544:** Localize displayed metric values on StorageGRID dashboard cards
- 0045546:** Add metrics and diagnostics to detect stuck replicated repair
- 0045548:** Correct node connectivity issues when TLSv1.3 is enabled
- 0045603:** Revise hotfix validation checks to handle unexpected characters in historical task IDs
- 0045661:** Improve performance of ListObjectVersions on key with many deleted key versions
- 0045700:** Update firewall rules to avoid kernel connection limit CPU lock-up bug
- 0045725:** Enhancement to balance connection distribution by the load balancer during load spikes
- 0045727:** Correct calculation of load balancer active requests to account for failed requests
- 0045731:** Allow parallel instances of ss-collect (used in lumberjack collections)
- 0045759:** Correct issue where syslog server certificate expiration monitoring was not working in StorageGRID 11.7
- 0045778:** Improve usability when editing identity source to avoid repeated uploads of CA certificates
- 0045788:** Reduce the maximum `keepalive` connections per Storage Node in the internal load balancer
- 0045789:** Improve awareness of load balancer CPU usage reports when distributing requests
- 0045793:** Improve internal load balancer CPU usage by closing idle `keepalive` sessions
- 0045809:** Revise Grafana S3 Overview dashboard metric calculations
- 0045885:** Revise API Docs to ensure versioning is enabled when expected on call to create tenant
- 0045888:** Improve logic to avoid aborting auto-compactor due to transient conditions
- 0045916:** Resolve issue where leftover upgrade-hotfix artifacts prevented the application of subsequent upgrade-hotfixes
- 0045965:** Fix warning in `bycast.log`
Warning text: UTOT: ... Cassandra TimeoutException Failed to execute `cq1` at consistency EACH_QUORUM: SELECT DISTINCT
This warning prevented bucket deletion in some rare cases.
- 0045977:** Address situation where back-to-back hotfix and SANtricity software update procedures prevented the second procedure from starting
- 0046060:** Ensure all physical NICs have their hardware MACs as their effective MACs when booting
- 0046063:** Improve PUT Copy error messages

0046102: Update SANtricity Upgrade Error message to reference 11.70.5

0046163: Improve VCS copy performance for erasure coding decommission tasks and erasure coding repair tasks

0046168: Hashicorp version supported by StorageGRID
For details, see the [NetApp Interoperability Matrix Tool \(IMT\)](#).

0046224: Alert when nearing maximum number of firewall connections

0046229: Reduce maximum firewall connection wait time to 30 seconds
Reduces idle connection resource usage.

0046245: Improve bucket creation consistency to prevent duplicate bucket creation

0046346: Add log message when throttling platform service requests and add metrics

0046451: Correct condition that returned deleted objects in object listing

0046616: Update ruby-rack to 2.1.4-3+deb11u1

0046689: Updated API schema to include missing properties and descriptions

0046796: Simplify primary Admin Node Move (PA Move) procedure instructions for StorageGRID appliances
Instructions were added to the StorageGRID appliance procedure to download the Recovery Package using Grid Manager for use later in the procedure. Additionally, the procedure steps were clarified and simplified.



This is a support-only procedure.

0046867: Address Reflected XSS Vulnerability CVE-2024-21984

0046902: Address Denial of Service Vulnerability CVE-2024-21983

0047131: Resolve issue that might have resulted in GET failures for TSM archive copies at concurrency settings greater than 1

Known issues in StorageGRID 11.8.0

Before using the StorageGRID 11.8.0 release, review the list of known issues.

0042939: DNS/IP information not retained during controller swap on KMIP StorageGRID appliances
In some cases following a controller replacement, you must manually re-enter the DNS/IP information. During the first startup of the controller after the replacement, manually perform an MTU check.

0043809: The SG6060 might incorrectly enter install mode on a power cycle
In some cases following a controller replacement, you must manually re-enter the DNS/IP information. During the first startup of the controller after the replacement, manually perform an MTU check.
Workaround: Use SANtricity System Manager to ensure the storage controller is optimal. Use the Appliance Installer to reboot the compute controller by selecting **Advanced > Reboot Controller**.

0044579: Multipart upload complete retry can block volume recovery progress reporting
The volume recovery itself will continue. If progress stalls, contact NetApp technical support with the following error message in bycast.log: `Couldn't retrieve segment object.`

0044918: Appliance installation can fail with "list index out of range" error
In rare situations during appliance installation, the installation might fail with a "list index out of range" error.
Workaround: In the Appliance Installer, select **Advanced > Reboot Controller**. Try the installation again.

0044947: Red Hat Enterprise Linux 8.5 `GRID_NETWORK_MAC`, and `GRID_NETWORK_TARGET_TYPE_INTERFACE_CLONE_MAC` cause `eth0.mac` file to populate with "Set"

0045215: S3 policy condition key and condition variable names are case insensitive on AWS
StorageGRID differs from AWS by handling these as case-sensitive. Users should not use mixed case to avoid compatibility issues with AWS

0045346: Interrupted based OS upgrade might require manual "configure" step
If certain phases of base OS upgrade are interrupted, a "configure" step is required to try again.

Example:

```
[2023-05-30T15:03:43+00:00 UPGRADE] E: dpkg was interrupted, you must manually run 'dpkg --configure -a' to correct the problem.
```

Workaround: Run `dpkg --configure -a` manually in the base OS console, then re-run `/var/local/dkr/0/install/upgrade-stage/base-os/upgrade.sh`

0045856: Under some conditions, the QoS bandwidth limits set are not enforced for small objects

0046455: `PUT /private/ilm-advanced` API call could overwrite existing ILMJ custom values with sample values

Workaround: Replace sample values in `PUT /private/ilm-advanced` API with user specific values to avoid overwriting existing ILMJ custom values.

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