



# **Audit message categories**

StorageGRID software

NetApp

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# Audit message categories

## System audit messages

The audit messages belonging to the system audit category are used for events related to the auditing system itself, grid node states, system-wide task activity (grid tasks), and service backup operations.

Code	Message title and description	See
ECMC	Missing Erasure-Coded Data Fragment: Indicates that a missing erasure-coded data fragment has been detected.	<a href="#">ECMC: Missing Erasure-Coded Data Fragment</a>
ECOC	Corrupt Erasure-Coded Data Fragment: Indicates that a corrupt erasure-coded data fragment has been detected.	<a href="#">ECOC: Corrupt Erasure-Coded Data Fragment</a>
ETAF	Security Authentication Failed: A connection attempt using Transport Layer Security (TLS) failed.	<a href="#">ETAF: Security Authentication Failed</a>
GNRG	GNDS Registration: A service updated or registered information about itself in the StorageGRID system.	<a href="#">GNRG: GNDS Registration</a>
GNUR	GNDS Unregistration: A service has unregistered itself from the StorageGRID system.	<a href="#">GNUR: GNDS Unregistration</a>
GTED	Grid Task Ended: The CMN service finished processing the grid task.	<a href="#">GTED: Grid Task Ended</a>
GTST	Grid Task Started: The CMN service started to process the grid task.	<a href="#">GTST: Grid Task Started</a>
GTSU	Grid Task Submitted: A grid task was submitted to the CMN service.	<a href="#">GTSU: Grid Task Submitted</a>
LLST	Location Lost: This audit message is generated when a location is lost.	<a href="#">LLST: Location Lost</a>
OLST	Object Lost: A requested object cannot be located within the StorageGRID system.	<a href="#">OLST: System Detected Lost Object</a>
SADD	Security Audit Disable: Audit message logging was turned off.	<a href="#">SADD: Security Audit Disable</a>
SADE	Security Audit Enable: Audit message logging has been restored.	<a href="#">SADE: Security Audit Enable</a>

Code	Message title and description	See
SVRF	Object Store Verify Fail: A content block failed verification checks.	<a href="#">SVRF: Object Store Verify Fail</a>
SVRU	Object Store Verify Unknown: Unexpected object data detected in the object store.	<a href="#">SVRU: Object Store Verify Unknown</a>
SYSD	Node Stop: A shutdown was requested.	<a href="#">SYSD: Node Stop</a>
SYST	Node Stopping: A service initiated a graceful stop.	<a href="#">SYST: Node Stopping</a>
SYSU	Node Start: A service started; the nature of the previous shutdown is indicated in the message.	<a href="#">SYSU: Node Start</a>

## Object storage audit messages

The audit messages belonging to the object storage audit category are used for events related to the storage and management of objects within the StorageGRID system. These include object storage and retrievals, grid-node to grid-node transfers, and verifications.



Audit codes are removed from the product and documentation as features are deprecated. If you encounter an audit code that is not listed here, check the previous versions of this topic for older SG releases. For example, [StorageGRID 11.8 object storage audit messages](#).

Code	Description	See
BROR	Bucket Read Only Request: A bucket entered or exited read-only mode.	<a href="#">BROR: Bucket Read Only Request</a>
CBSE	Object Send End: The source entity completed a grid-node to grid-node data transfer operation.	<a href="#">CBSE: Object Send End</a>
CBRE	Object Receive End: The destination entity completed a grid-node to grid-node data transfer operation.	<a href="#">CBRE: Object Receive End</a>
CGRR	Cross-Grid Replication Request: StorageGRID attempted a cross-grid replication operation to replicate objects between buckets in a grid federation connection.	<a href="#">CGRR: Cross-Grid Replication Request</a>
EBDL	Empty Bucket Delete: The ILM scanner deleted an object in a bucket that is deleting all objects (performing an empty bucket operation).	<a href="#">EBDL: Empty Bucket Delete</a>

Code	Description	See
EBKR	Empty Bucket Request: A user sent a request to turn empty bucket on or off (that is, to delete bucket objects or to stop deleting objects).	<a href="#">EBKR: Empty Bucket Request</a>
SCMT	Object Store Commit: A content block was completely stored and verified, and can now be requested.	<a href="#">SCMT: Object Store Commit Request</a>
SREM	Object Store Remove: A content block was deleted from a grid node, and can no longer be requested directly.	<a href="#">SREM: Object Store Remove</a>

## Client read audit messages

Client read audit messages are logged when an S3 client application makes a request to retrieve an object.

Code	Description	Used by	See
S3SL	S3 Select request: Logs a completion after an S3 Select request has been returned to the client. The S3SL message can include error message and error code details. The request might not have been successful.	S3 client	<a href="#">S3SL: S3 Select request</a>
SGET	S3 GET: Logs a successful transaction to retrieve an object or list the objects in a bucket.  <b>Note:</b> If the transaction operates on a subresource, the audit message will include the field S3SR.	S3 client	<a href="#">SGET: S3 GET</a>
SHEA	S3 HEAD: Logs a successful transaction to check for the existence of an object or bucket.	S3 client	<a href="#">SHEA: S3 HEAD</a>
WGET	Swift GET: Logs a successful transaction to retrieve an object or list the objects in a container.	Swift client	<a href="#">WGET: Swift GET</a>
WHEA	Swift HEAD: Logs a successful transaction to check for the existence of an object or container.	Swift client	<a href="#">WHEA: Swift HEAD</a>

## Client write audit messages

Client write audit messages are logged when an S3 client application makes a request to create or modify an object.

Code	Description	Used by	See
OVWR	Object Overwrite: Logs a transaction to overwrite one object with another object.	S3 and Swift clients	<a href="#">OVWR: Object Overwrite</a>
SDEL	S3 DELETE: Logs a successful transaction to delete an object or bucket.  <b>Note:</b> If the transaction operates on a subresource, the audit message will include the field S3SR.	S3 client	<a href="#">SDEL: S3 DELETE</a>
SPOS	S3 POST: Logs a successful transaction to restore an object from AWS Glacier storage to a Cloud Storage Pool.	S3 client	<a href="#">SPOS: S3 POST</a>
SPUT	S3 PUT: Logs a successful transaction to create a new object or bucket.  <b>Note:</b> If the transaction operates on a subresource, the audit message will include the field S3SR.	S3 client	<a href="#">SPUT: S3 PUT</a>
SUPD	S3 Metadata Updated: Logs a successful transaction to update the metadata for an existing object or bucket.	S3 client	<a href="#">SUPD: S3 Metadata Updated</a>
WDEL	Swift DELETE: Logs a successful transaction to delete an object or container.	Swift client	<a href="#">WDEL: Swift DELETE</a>
WPUT	Swift PUT: Logs a successful transaction to create a new object or container.	Swift client	<a href="#">WPUT: Swift PUT</a>

## Management audit message

The Management category logs user requests to the Management API.

Code	Message title and description	See
MGAU	Management API audit message: A log of user requests.	<a href="#">MGAU: Management audit message</a>

## ILM audit messages

The audit messages belonging to the ILM audit category are used for events related to information lifecycle management (ILM) operations.

Code	Message title and description	See
IDEL	ILM Initiated Delete: This audit message is generated when ILM starts the process of deleting an object.	<a href="#">IDEL: ILM Initiated Delete</a>
LKCU	Overwritten Object Cleanup. This audit message is generated when an overwritten object is automatically removed to free up storage space.	<a href="#">LKCU: Overwritten Object Cleanup</a>
ORLM	Object Rules Met: This audit message is generated when object data is stored as specified by the ILM rules.	<a href="#">ORLM: Object Rules Met</a>

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