



# **Access and review audit logs**

StorageGRID 11.7

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# Access and review audit logs

Audit messages are generated by StorageGRID services and stored in text log files. API-specific audit messages in the audit logs provide critical security, operation, and performance monitoring data that can help you evaluate the health of your system.

## Before you begin

- You have specific access permissions.
- You have the `Passwords.txt` file.
- You know the IP address of an Admin Node.

## About this task

The active audit log file is named `audit.log`, and it is stored on Admin Nodes.

Once a day, the active `audit.log` file is saved, and a new `audit.log` file is started. The name of the saved file indicates when it was saved, in the format `yyyy-mm-dd.txt`.

After a day, the saved file is compressed and renamed, in the format `yyyy-mm-dd.txt.gz`, which preserves the original date.

This example shows the active `audit.log` file, the previous day's file (`2018-04-15.txt`), and the compressed file for the prior day (`2018-04-14.txt.gz`).

```
audit.log
2018-04-15.txt
2018-04-14.txt.gz
```

## Steps

1. Log in to an Admin Node:
  - a. Enter the following command: `ssh admin@primary_Admin_Node_IP`
  - b. Enter the password listed in the `Passwords.txt` file.
  - c. Enter the following command to switch to root: `su -`
  - d. Enter the password listed in the `Passwords.txt` file.

When you are logged in as root, the prompt changes from `$` to `#`.

2. Go to the directory containing the audit log files:

```
cd /var/local/audit/export
```

3. View the current or a saved audit log file, as required.

## S3 operations tracked in the audit logs

Several bucket operations and object operations are tracked in the StorageGRID audit

logs.

## **Bucket operations tracked in the audit logs**

- DELETE Bucket
- DELETE Bucket tagging
- DELETE Multiple Objects
- GET Bucket (List Objects)
- GET Bucket Object versions
- GET Bucket tagging
- HEAD Bucket
- PUT Bucket
- PUT Bucket compliance
- PUT Bucket tagging
- PUT Bucket versioning

## **Object operations tracked in the audit logs**

- Complete Multipart Upload
- Upload Part (when the ILM rule uses the Balanced or Strict ingest behaviors)
- Upload Part - Copy (when the ILM rule uses the Balanced or Strict ingest behaviors)
- DELETE Object
- GET Object
- HEAD Object
- POST Object restore
- PUT Object
- PUT Object - Copy

### **Related information**

[Operations on buckets](#)

[Operations on objects](#)

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