## **Google Workspace Artifact Reference Guide**



This reference guide provides a list of log events that are worth reviewing when investigating Google Workspace incidents. The availability of some events may be limited based on your subscription edition.



### **Admin Log Events**

- · Admin privileges grant
- 2-step verification
- User creation
- Data export initiated
- · Change recovery email
- · Enable non-admin user password recovery

Attachment download

Attachment link click

- Add privilege
- Assign role

Send

Autoforward

· Late spam classification

User spam classification

- Add application to allowlist
- All third-party API access unblocked
- · Delegated admin privileges grant



### **Chat Log Events**

- Attachment downloaded
- Attachment uploaded
- · Direct message started
- Invite accept
- · Room member added



## **Takeout Log Events**

- User completed a takeout
- · User initiated a takeout
- User downloaded a takeout
- User scheduled takeout(s)



## **User Accounts Log Events**

# Sign-in Activity

- · Failed login
- Leaked password
- · Login challenge
- · Login verification
- Logout
- · Sensitive action allowed
- · Successful login
- · Suspicious login
- Suspicious login (less secure app)
- · Suspicious programmatic login
- · User signed out due to suspicious session cookie

#### **Settings Changes**

- Out of domain email forwarding Account password change enabled
- 2-step verification disable
- 2-step verification enroll

- Account recovery email change
- Account recovery phone change

#### **User suspended**

- User suspended (spam through relay)
- User suspended (spam)
- User suspended (suspicious activity)



· Link click

Open

## **Drive Log Events**

**Gmail Log Events** 

- Download
- Edit
- Delete
- Trash
- Script trigger created
- · Owner changed
- · Owner changed from parent folder
- · Change document visibility

- · Shared drive settings change
- · User sharing permissions change
- Change access scope
- Change ACL editors
- Change document visibility
- Change shared drive membership
- · Change user access from parent folder



## **OAuth Log Events**

- · API call
- Revoke
- Request

Deny

Grant