# SANS DFIR

# Google Workspace Artifact Reference Guide



# **Administrator Actions**

- · Admin privileges grant
- 2-step verification
- User creation
- Data export initiated
- · Change recovery email
- Enable non-admin user password recovery
- Add privilege
- Assign role
- Add application to allowlist
- All third-party API access unblocked
- Delegated admin privileges grant



### Gmail

- Attachment download
- Attachment link click
- · Link click
- Open

- Send
- Autoforward
- · Late spam classification



## Drive

- 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

Revoke

Deny

· Change user access from parent folder



#### **OAuth**

- · API call
- Request
- Grant

- User spam classification



# **User Accounts**

Chat

**Takeout** 

Attachment downloaded

Attachment uploaded

· Direct message started

User completed a takeout

User downloaded a takeout

#### **Sign-in Activity**

- · Failed login
- · Leaked password
- · Login challenge
- · Login verification
- Logout
- Sensitive action allowed
- · Successful login

Invite accept

· Room member added

· User initiated a takeout

User scheduled takeout(s)

- Suspicious login
- Suspicious login (less secure app)
- · Suspicious programmatic login
- · User signed out due to suspicious session cookie

#### **Settings Changes**

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

#### **User suspended**

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