

This document provides a conceptual overview of the audit logs that Google Workspace provides as a part of Cloud Audit Logs.



Sign in

Contact Us

Start free

If you don't enable Google Workspace data sharing with Google Cloud, then you can't see audit logs for Google Workspace in Google Cloud.



**Note:** Some Enterprise Groups Audit membership changes automatically populate the **principalEmail** field in the audit log with **cloud-support@google.com**. For example, an audit log might show **cloud-support@google.com** as the principal removing a user from the group, when the removal of the user is automatic due to the expiration of a user's membership.

#### Types of audit logs

Admin Activity audit logs contain log entries for API calls or other actions that modify the configuration or metadata of resources. For example, these logs record when users create VM instances or change Identity and Access Management (IAM) permissions.

Data Access audit logs contain API calls that read the configuration or metadata of



Sign in

Contact Us

Start free

the Google Admin console, changes to Group settings are captured in the Google Workspace Admin Audit logs. For example, if you changed a Group email address in groups.google.com, then those changes are captured in Google Workspace Enterprise Groups Audit logs.

Google Workspace Enterprise Groups Audit: Enterprise Groups Audit logs provide
a record of actions performed on groups and group memberships. For example,
you can see when an administrator added a user or when a group owner deleted
their group.

Enterprise Groups Audit writes Admin Activity audit logs only.

 Google Workspace Login Audit: Login Audit logs track user sign-ins to your domain. These logs only record the login event. They don't record which system was used to perform the login action.

Login Audit writes Data Access audit logs only.



Sign in

Contact Us

Start free

#### **Google Workspace Admin Activities**

Google Workspace Admin Audit audit logs use the resource type audited\_resource for all audit logs.

Google Workspace Admin Audit audit logs use the service name admin.googleapis.com.

Google Workspace Admin Audit writes Admin Activity audit logs only. The following are the audited operations:

Activity type	AuditLog.method_name
AI_CLASSIFICATION_SETTINGS	<pre>google.admin.AdminService. aiClassificationInsufficientTrainingEngoogle.admin.AdminService.aiClassificationInsufficientTrainingEngoogle.aiClassificationInsufficientTrainingEngoogle.aiCl</pre>

CALENDAR\_SETTINGS

Sign in

#### **Contact Us**

Start free

google.admin.AdminService.createManage google.admin.AdminService.deleteManage google.admin.AdminService.updateManage google.admin.AdminService. flashlightEduNonFeaturedServicesSelec google.admin.AdminService.createBuild google.admin.AdminService.deleteBuild google.admin.AdminService.updateBuild google.admin.AdminService.createCalen google.admin.AdminService.deleteCalen google.admin.AdminService.createCalen google.admin.AdminService.deleteCalen google.admin.AdminService.updateCalen google.admin.AdminService.renameCalen google.admin.AdminService.updateCalen google.admin.AdminService.changeCalen google.admin.AdminService.cancelCalen google.admin.AdminService.releaseCale

CHAT SETTINGS

monale admin AdminService meetInteron

Sign in

0-	-4-	44	1.15
Co	nτa	Ct	US

Start free

		Contact Us	Start free
	google.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSo	ervice.deleteRole ervice.addPrivile ervice.removePriv ervice.renameRole ervice.updateRole	gı i
DEVICE_SETTINGS	google.admin.AdminSo		
DOCS_SETTINGS	google.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSo	ervice.driveDataR	e
DOMAIN_SETTINGS	google.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSog	ervice.addApplica ervice.addApplica ervice.changeAdve ervice.createAler	t: t: r t

Sign in

Contact Us

Start free

google.admin.AdminService.changeCusto google.admin.AdminService. changeDataLocalizationForRussia google.admin.AdminService.changeDataL google.admin.AdminService. changeDataProtectionOfficerContactInf google.admin.AdminService.deletePlayFo google.admin.AdminService.viewDnsLogi google.admin.AdminService.changeDomail google.admin.AdminService.changeDomail google.admin.AdminService.changeDomail google.admin.AdminService.toggleEnable google.admin.AdminService.changeDomai google.admin.AdminService.addTrustedDo google.admin.AdminService.removeTrust google.admin.AdminService.changeEduTy google.admin.AdminService.toggleEnable google.admin.AdminService.toggleSsoEn google.admin.AdminService.toggleSsl noonle admin AdminService

Sign in

**Contact Us** 

Start free

google.admin.AdminService.createRule google.admin.AdminService.deleteRule google.admin.AdminService.deleteRule google.admin.AdminService.renameRule google.admin.AdminService.ruleStatusCl google.admin.AdminService.addSecondargoogle.admin.AdminService.removeSecond google.admin.AdminService.skipSeconda google.admin.AdminService.verifySecond google.admin.AdminService.verifySecond google.admin.AdminService.updateDomain google.admin.AdminService.updateDomain google.admin.AdminService.generatePin google.admin.AdminService.updateRule

**EMAIL\_SETTINGS** 

google.admin.AdminService.dropFromQua google.admin.AdminService.emailLogSea google.admin.AdminService.emailUndele google.admin.AdminService.changeEmail: google.admin.AdminService.changeGmail:

Google Cloud			Sign i
		Contact Us	Start free
	google.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSog	ervice.labelPermis ervice.labelPublis ervice.labelCreate	s: s  ec
LICENSES_SETTINGS	google.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSogoogle.admin.AdminSo	ervice.orgAllUsers ervice.userLicense ervice.changeLicen ervice.userLicense ervice.orgLicenseR ervice.userLicense	5  
MOBILE_SETTINGS	google.admin.AdminSe google.admin.AdminSe google.admin.AdminSe google.admin.AdminSe	ervice.actionReque ervice.addMobileCe	)

Sign in

Contact Us

Start free

google.admin.AdminService.
enrollForGoogleDeviceManagement
google.admin.AdminService.useGoogleMol
google.admin.AdminService.
useGoogleMobileManagementForNonIos
google.admin.AdminService.
useGoogleMobileManagementForIos
google.admin.AdminService.mobileAccour
google.admin.AdminService.
mobileDeviceCancelWipeThenApprove
google.admin.AdminService.
mobileDeviceCancelWipeThenBlock

ORG\_SETTINGS

google.admin.AdminService.chromeLicens google.admin.AdminService. chromeApplicationLicenseReservationCragoogle.admin.AdminService. chromeApplicationLicenseReservationDelicenseReservationDelicenseApplicationLicenseReservationUpa

Sign in

Contact Us

Start free

securityInvestigationChartCreategoogle.admin.AdminService.  ${\tt securityInvestigationContentAccess}$ google.admin.AdminService. securityInvestigationDownloadAttachme google.admin.AdminService. securityInvestigationExportActionResultgoogle.admin.AdminService. securityInvestigationExportQuery google.admin.AdminService. securityInvestigationObjectCreateDraf google.admin.AdminService. securityInvestigationObjectDeleteInve google.admin.AdminService. securityInvestigationObjectDuplicateI google.admin.AdminService. securityInvestigationObjectOwnershipT google.admin.AdminService. securityInvestigationObjectSaveInvest annale admin AdminService

Sign in

Contact Us

Start free

changeTwoStepVerificationGracePeriodD google.admin.AdminService.  ${\tt changeTwoStepVerificationStartDate}$ google.admin.AdminService.disallowSer google.admin.AdminService. enableNonAdminUserPasswordRecovery google.admin.AdminService.enforceStrol google.admin.AdminService.removeFromT google.admin.AdminService.sessionCont google.admin.AdminService.toggleCaaEn google.admin.AdminService.trustDomain google.admin.AdminService.unblockOnDe google.admin.AdminService.untrustDoma: google.admin.AdminService. updateErrorMsgForRestrictedOauth2Apps google.admin.AdminService. weak Programmatic Login Settings Changed

SITES\_SETTINGS

google.admin.AdminService.addWebAddres
google.admin.AdminService.deleteWebAdd

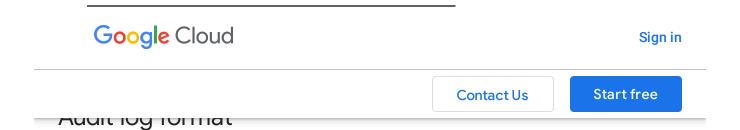
Sign in

**Contact Us** 

Start free

google.admin.AdminService.changeUser0 google.admin.AdminService.changeUserPl google.admin.AdminService.changeRecove google.admin.AdminService.changeRecove google.admin.AdminService.changeUserRe google.admin.AdminService.changeUserA google.admin.AdminService.createEmail google.admin.AdminService.createDataT google.admin.AdminService.grantDelega google.admin.AdminService.deleteAccount google.admin.AdminService.deleteEmail google.admin.AdminService.deleteMailb google.admin.AdminService.changeFirst google.admin.AdminService.gmailResetU: google.admin.AdminService.changeLastNa google.admin.AdminService.mailRouting google.admin.AdminService.mailRouting google.admin.AdminService.addNickname google.admin.AdminService.removeNickna monale admin AdminService channePassw

# Google Cloud Sign in Start free Contact Us userPutInTwoStepVerificationGracePeri google.admin.AdminService.renameUser google.admin.AdminService.unenrollUse google.admin.AdminService.suspendUser google.admin.AdminService.unarchiveUs google.admin.AdminService.undeleteUse google.admin.AdminService.unsuspendUs google.admin.AdminService.upgradeUser google.admin.AdminService.usersBulkUp google.admin.AdminService. usersBulkUploadNotificationSent **Google Workspace Enterprise Groups** Gooda Workenson Login Audit



Google Workspace audit log entries include the following objects:

- The log entry itself, which is an object of type LogEntry. When examining audit logging data, you might find the following useful:
  - logName contains the organization ID and audit log type.
  - resource contains the target of the audited operation.
  - timeStamp contains the time of the audited operation.
  - protoPayload contains the Google Workspace audit log in its metadata field.

The protoPayload.metadata field holds the audited Google Workspace information. The following is an example of a Login Audit log:

Sign in

Contact Us

Start free



#### Route audit logs

You can route Google Workspace audit logs from Cloud Logging to supported destinations, including other Logging buckets.

Here are some applications for routing audit logs:

- To use more powerful search capabilities, you can route copies of your audit logs to Cloud Storage, BigQuery, or Pub/Sub. Using Pub/Sub, you can route to other applications, other repositories, and to third parties.
- To manage your audit logs across an entire organization, you can create aggregated sinks that combine and route logs from all the Google Cloud projects, billing accounts, and folders contained by your organization. For instance, you might aggregate and route audit log entries from an organization's folders to a Cloud Storage bucket.



You can configure Cloud Logging to retain the logs in the \_Default logs bucket for a period ranging from 1 day to 3650 days.

To update the retention period for the \_Default logs bucket, see Custom retention.

You can't change the retention period on the \_Required bucket.

#### Quotas and limits

The same quotas apply to audit logs for Google Workspace and Cloud Audit Logs.

For details about these usage limits, including the maximum sizes of audit logs, see Quotas and limits.

\_ . .

Sign in

			Contact Us	Start free
Why Google	Products and	Solutions	Resources	Engage
Choosing Google Cloud	pricing	Infrastructure modernization	Google Cloud Affiliate Program	Contact sales
Trust and	Google Cloud pricing	Databases	Google Cloud	Find a Partner
security	Google Workspace	Application	documentation	Become a Partner
Modern Infrastructure	pricing	modernization	Google Cloud quickstarts	Events
Cloud Multicloud	See all products	Smart analytics  Artificial	Google Cloud Marketplace	Podcasts
Global		Intelligence	Learn about	Developer Center
infrastructure		Security	cloud computing	Press Corner
Customers and case studies		Productivity & work	Support	Google Cloud on YouTube
Analyst reports		transformation	Code samples	Google Cloud
Whitepapers		Industry solutions	Cloud Architecture	Tech on YouTube
			Center	Follow on X

Google Cloud	_	Sign in
	Contact Us	Start free
cloud.google.com uses cookies from Google to del	iver and enhance th	ne quality of its
services and to analyze traffic. Learn more.	ivor and crinance ti	to quanty of its