

Calendar API Resource Types

Calendar API background

Calendar concepts

Google Calendar is built on several basic concepts:

Event

A single event on a calendar containing information such as the title of event, start and end times, and attendees.

Calendar

A single calendar entry containing metadata for the calendar such as a description.

Calendar List

A list of all calendars on a user's calendar list in the Calendar UI.

Setting

A user preference from the Calendar UI, such as the user's time zone.

ACL

A single access control rule containing information such as the type and scope of the rule.

Calendar API data model

A resource is an individual data entity with a unique identifier. The Calendar API operates on five types of resources:

Event Resource

Represents a single event on a calendar.

Calendars Resource

Represents metadata for an individual calendar.

CalendarList Resource

Represents metadata for an individual calendar that appears on the user's calendar list in the UI.

Settings Resource

Represents a single user preference from the Calendar UI.

ACL Resource

Represents an ACL.

The Calendar API data model is based on groups of resources, called collections:

Events Collection

Consists of all the Event Resources within a specific Calendar Resource.

CalendarList Collection

Consists of all the CalendarList Resources for a specific user.

Settings Collection

Consists of all the Settings Resources for a specific user.

ACL Collection

Consists of all the ACL Resources applied to a specific calendar.

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