

# Authorization with REST

Working with REST



The Google Ads API Developer Series



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# Required Credentials



- OAuth2 credentials
  - Client ID
  - Client secret






# Required Credentials

- OAuth2 credentials
  - Client ID
  - Client secret
  - Access token   Refresh token



# Required Credentials

- OAuth2 credentials
  - Client ID
  - Client secret
  - Access token   Refresh token
- Developer token


# Required Credentials

- OAuth2 credentials
  - Client ID
  - Client secret
  - Access token   Refresh token
- Developer token  Account-agnostic


# Required Credentials

- OAuth2 credentials
  - Client ID ← Can be used with *only one* developer token.
  - Client secret
  - Access token   Refresh token
- Developer token

# Required Credentials

- OAuth2 credentials
  - Client ID ← Can be used with *only one* developer token.
  - Client secret
  - Access token  Refresh token
- Developer token ← Can be used with many OAuth client IDs.

# Required Headers

- OAuth2 credentials
  - Client ID
  - Client secret
  - **Access token**  Refresh token
- **Developer token**

## HTTP Request

```
GET /v9/customers:listAccessibleCustomers HTTP/1.1
Host: googleads.googleapis.com
Authorization: Bearer ACCESS_TOKEN
developer-token: DEVELOPER_TOKEN
```



# Optional Headers

- Login customer ID

# Optional Headers

- Login customer ID
- Linked customer ID



# Code Example

## Interface Guide

The screenshot shows the 'REST Interface' page of the Google Ads API documentation. The page title is 'REST Interface' and it includes a 'Send feedback' button. A key point states: 'We strongly recommend using our official client libraries wherever you can. All Google provided client libraries are implemented using gRPC, except for the [Perl library](#), which uses the REST interface. Unless you are specifically looking for details about REST, consult the [gRPC documentation](#) for reference documentation that covers our official client libraries.' The page also explains that the Google Ads API can be called using gRPC or REST and that both interfaces share a resource-oriented design. It recommends using Google's official client libraries and provides details on pagination and authentication. A note at the bottom suggests checking out a talk about working with REST using the Google Ads API from the Google Ads API Spring 2019 Workshop. The page has a navigation bar with 'Introduction', 'Authorization and HTTP headers', 'Design', 'Common methods', and 'Examples'. A sidebar on the left shows 'Reference' and 'Google Ads API' with sub-items for 'v8' and 'v7'. A 'Next' button points to 'Authorization and HTTP headers'.

## Reference Docs

The screenshot shows the 'Reference Docs' page for the Google Ads API REST Interface. The page title is 'Google Ads API' and it includes a 'Send feedback' button. The page content includes: 'Manage your Google Ads accounts, campaigns, and reports with this API.', 'Service: googleads.googleapis.com', 'Service endpoint', and 'REST Resource: v8'. The 'Service endpoint' section states: 'A service endpoint is a base URL that specifies the network address of an API service. One service might have multiple service endpoints. This service has the following service endpoint and all URIs below are relative to this service endpoint:' followed by a list item: 'https://googleads.googleapis.com'. The 'REST Resource: v8' section includes a table of methods:

Methods	
<a href="#">listPlannableLocations</a>	POST /v8:listPlannableLocations Returns the list of plannable locations (for example, countries & DMAs).
<a href="#">listPlannableProducts</a>	POST /v8:listPlannableProducts Returns the list of per-location plannable YouTube ad formats with allowed targeting.

The page also includes a 'REST Resource: v8.carrierConstants' section. The page has a navigation bar with 'Introduction', 'Authorization and HTTP headers', 'Design', 'Common methods', and 'Examples'. A sidebar on the left shows 'Reference' and 'Google Ads API' with sub-items for 'v8' and 'v7'. A 'Was this helpful?' button is visible in the top right corner. A 'Next' button is visible at the bottom left.

# Thanks for Listening

- We welcome your feedback at [googleadsapi-support@google.com](mailto:googleadsapi-support@google.com)
- Check out the full [Working with REST playlist](#) for related content
- See more episodes on our [YouTube channel](#)

