

# Search and SearchStream

Working with REST



The Google Ads API Developer Series



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# Transport Comparison



- Binary encoding
- Smaller payloads



- Text format
- More verbose payloads

# SearchStream

	SearchStream	Search
<b>Method Overview</b>	<ul style="list-style-type: none"><li>• Streamed responses</li></ul>	<ul style="list-style-type: none"><li>• Paged responses</li><li>• Pages cached</li></ul>
<b>Use Cases</b>	<ul style="list-style-type: none"><li>• High throughput, best for large results</li></ul>	<ul style="list-style-type: none"><li>• Small result sets (number of rows &lt; default page size: 10k)</li><li>• User interfaces utilizing paging</li></ul>
<b>Drawbacks</b>	<ul style="list-style-type: none"><li>• Must re-issue request when interrupted (network issues)</li></ul>	<ul style="list-style-type: none"><li>• Slower; may timeout with large results</li></ul>

# Search

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# SearchStream is the Preferred Method

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# SearchStream Request Structure

## cURL Request

```
curl -f --request POST
"https://googleads.googleapis.com/v${API_VERSION}/customers/${CUSTOMER_ID}/googleAds:searchStream" \
--header "Content-Type: application/json" \
--header "developer-token: ${DEVELOPER_TOKEN}" \
--header "login-customer-id: ${MANAGER_CUSTOMER_ID}" \
--header "Authorization: Bearer ${OAUTH2_ACCESS_TOKEN}" \
--data '{
"query": "${GAQL_QUERY}"
}'
```

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# Search Request Structure

## cURL Request

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curl -f --request POST
"https://googleads.googleapis.com/v${API_VERSION}/customers/${CUSTOMER_ID}/googleAds:search" \
--header "Content-Type: application/json" \
--header "developer-token: ${DEVELOPER_TOKEN}" \
--header "login-customer-id: ${MANAGER_CUSTOMER_ID}" \
--header "Authorization: Bearer ${OAUTH2_ACCESS_TOKEN}" \
--data '{
"pageSize": 1000,
"query": "${GAQL_QUERY}"
}'
```

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# SearchStream Example

# Search Example

## [Search & SearchStream Guide](#)

The screenshot shows the Google Ads API documentation page for Search & SearchStream. The page has a green header with navigation links: Guides, Migration, Reference, Reports, Libraries & Examples, REST Interface, and Support & Policies. A search bar is in the top right. The left sidebar contains a table of contents with 'Search & searchstream' highlighted. The main content area includes a 'Caution' box, a breadcrumb trail 'Home > Products > Google Ads API > REST Interface', and a 'Was this helpful?' feedback link. The title 'Search & SearchStream' is followed by a 'Send feedback' button. A blue note box states: 'Note: See the Search section of the accompanying examples for more complete examples.' The main text explains that the Google Ads API has a unified attribute retrieval and metrics reporting mechanism. It describes the Search and SearchStream methods, their similarities, and their differences. A code block shows the base URL: `https://googleads.googleapis.com/v9/customers/{CUSTOMER_ID}/googleads`. A final note mentions that the page-based search method takes an optional `pageSize` parameter.

## [Search and SearchStream Examples](#)

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# 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](#)

