

Lists an organization's assets.

GET `https://securitycenter.googleapis.com/v1beta1/{parent=organizations/*/assets`

The URL uses [gRPC Transcoding](https://github.com/googleapis/googleapis/blob/master/google/api/http.proto)

(<https://github.com/googleapis/googleapis/blob/master/google/api/http.proto>) syntax.

Parameters

parent

string

Required. Name of the organization assets should belong to. Its format is "organizations/[organization_id]".

Parameters

Parameters

filter

string

Expression that defines the filter to apply across assets. The expression is a list of zero or more restrictions combined via logical operators **AND** and **OR**. Parentheses are not supported, and **OR** has higher precedence than **AND**.

Restrictions have the form **<field> <operator> <value>** and may have a **-** character in front of them to indicate negation. The fields map to those defined in the Asset resource. Examples include:

- name
- securityCenterProperties.resource_name
- resourceProperties.a_property
- securityMarks.marks.marka

The supported operators are:

- = for all value types.
- >, <, >=, <= for integer values.
- :, meaning substring matching, for strings.

The supported value types are:

- string literals in quotes.
- integer literals without quotes.
- boolean literals **true** and **false** without quotes.

For example, **resourceProperties.size = 100** is a valid filter string.

Parameters

orderBy

string

Expression that defines what fields and order to use for sorting. The string value should follow SQL syntax: comma separated list of fields. For example: "name,resourceProperties.a_property". The default sorting order is ascending. To specify descending order for a field, a suffix " desc" should be appended to the field name. For example: "name desc,resourceProperties.a_property". Redundant space characters in the syntax are insignificant. "name desc,resourceProperties.a_property" and "name desc , resourceProperties.a_property " are equivalent.

readTime

string (Timestamp

(<https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp>)
format)

Time used as a reference point when filtering assets. The filter is limited to assets existing at the supplied time and their values are those at that specific time. Absence of this field will default to the API's version of NOW.

A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Example: "2014-10-02T15:01:23.045123456Z".

Parameters

compareDuration

string ([Duration](https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Duration) format)
(<https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Duration>)

When compareDuration is set, the ListAssetResult's "state" attribute is updated to indicate whether the asset was added, removed, or remained present during the compareDuration period of time that precedes the readTime. This is the time between (readTime - compareDuration) and readTime.

The state value is derived based on the presence of the asset at the two points in time. Intermediate state changes between the two times don't affect the result. For example, the results aren't affected if the asset is removed and re-created again.

Possible "state" values when compareDuration is specified:

- "ADDED": indicates that the asset was not present before compareDuration, but present at readTime.
- "REMOVED": indicates that the asset was present at the start of compareDuration, but not present at readTime.
- "ACTIVE": indicates that the asset was present at both the start and the end of the time period defined by compareDuration and readTime.

If compareDuration is not specified, then the only possible state is "UNUSED", which indicates that the asset is present at readTime.

A duration in seconds with up to nine fractional digits, terminated by 's'. Example: "3.5s".

fieldMask

string ([FieldMask](https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.FieldMask) format)
(<https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.FieldMask>)

Optional. A field mask to specify the ListAssetsResult fields to be listed in the response. An empty field mask will list all fields.

A comma-separated list of fully qualified names of fields. Example: "user.displayName, photo".

Parameters

pageToken	string The value returned by the last ListAssetsResponse ; indicates that this is a continuation of a prior assets.list call, and that the system should return the next page of data.
pageSize	number The maximum number of results to return in a single response. Default is 10, minimum is 1, maximum is 1000.

The request body must be empty.

If successful, the response body contains data with the following structure:

Response message for listing assets.

JSON representation

Fields

Fields	
listAssetsResults[]	<p>object (ListAssetsResult (/security-command-center/docs/reference/rest/v1beta1/organizations.assets/list#ListAssetsResult))</p> <p>Assets matching the list request.</p>
readTime	<p>string (Timestamp (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp) format)</p> <p>Time used for executing the list request.</p> <p>A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Example: "2014-10-02T15:01:23.045123456Z".</p>
nextPageToken	<p>string</p> <p>Token to retrieve the next page of results, or empty if there are no more results.</p>
totalSize	<p>number</p> <p>The total number of assets matching the query.</p>

Requires the following OAuth scope:

- <https://www.googleapis.com/auth/cloud-platform>

For more information, see the [Authentication Overview](#)

(https://cloud.google.com/docs/authentication/).

Requires the following [Cloud IAM](#) (https://cloud.google.com/iam/docs) permission on the **parent** resource:

- `securitycenter.assets.list`

For more information, see the [Cloud IAM Documentation](https://cloud.google.com/iam/docs) (https://cloud.google.com/iam/docs).

Result containing the Asset and its State.

JSON representation

Fields

<code>asset</code>	<p>object (<u>Asset</u> (/security-command-center/docs/reference/rest/v1beta1/organizations.assets/list#Asset))</p> <p>Asset matching the search request.</p>
<code>state</code>	<p>enum (<u>State</u> (/security-command-center/docs/reference/rest/v1beta1/organizations.assets/list#State))</p> <p>State of the asset.</p>

Cloud Security Command Center's (Cloud SCC) representation of a Google Cloud Platform (GCP) resource.

The Asset is a Cloud SCC resource that captures information about a single GCP resource. All modifications to an Asset are only within the context of Cloud SCC and don't affect the referenced GCP resource.

JSON representation

Fields

name	<p>string</p> <p>The relative resource name of this asset. See: https://cloud.google.com/apis/design/resource_names#relative_resource (https://cloud.google.com/apis/design/resource_names#relative_resource) Example: "organizations/{organization_id}/assets/{asset_id}".</p>
securityCenterProperties	<p>object (<u>SecurityCenterProperties</u> (/security-command-center/docs/reference/rest/v1beta1/organizations.assets/list#SecurityCenterProperties))</p> <p>Cloud SCC managed properties. These properties are managed by Cloud SCC and cannot be modified by the user.</p>

Fields	
resourceProperties	<p>map (key: string, value: value (<u>Value</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Value) format))</p> <p>Resource managed properties. These properties are managed and defined GCP resource and cannot be modified by the user.</p> <p>An object containing a list of "key": value pairs. Example: { "name": "wrench", "mass": "1.3kg", "count": "3" }.</p>
securityMarks	<p>object (<u>SecurityMarks</u> (/security-command-center/docs/reference/rest/v1beta1/organizations.sources.findings#SecurityMarks))</p> <p>User specified security marks. These marks are entirely managed by the user and come from the SecurityMarks resource that belongs to the asset.</p>
createTime	<p>string (<u>Timestamp</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp) format)</p> <p>The time at which the asset was created in Cloud SCC.</p> <p>A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Example: "2014-10-02T15:01:23.045123456Z".</p>
updateTime	<p>string (<u>Timestamp</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp) format)</p> <p>The time at which the asset was last updated, added, or deleted in Cloud Security Command Center.</p> <p>A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Example: "2014-10-02T15:01:23.045123456Z".</p>

Cloud SCC managed properties. These properties are managed by Cloud SCC and cannot be modified by the user.

JSON representation

Fields

resourceName	string Immutable. The full resource name of the GCP resource this asset represents. This field is immutable after create time. See: https://cloud.google.com/apis/design/resource_names#full_resource_name (https://cloud.google.com/apis/design/resource_names#full_resource_name)
resourceType	string The type of the GCP resource. Examples include: APPLICATION, PROJECT, ORGANIZATION. This is a case insensitive field defined by Cloud SCC and/or the producer of the resource and is immutable after create time.
resourceParent	string The full resource name of the immediate parent of the resource. See: https://cloud.google.com/apis/design/resource_names#full_resource_name (https://cloud.google.com/apis/design/resource_names#full_resource_name)
resourceProject	string The full resource name of the project the resource belongs to. See: https://cloud.google.com/apis/design/resource_names#full_resource_name (https://cloud.google.com/apis/design/resource_names#full_resource_name)

Fields

resourceOwners[]	string
	Owners of the Google Cloud resource.

State of the asset.

When querying across two points in time this describes the change between the two points: ADDED, REMOVED, or ACTIVE. If there was no compareDuration supplied in the request the state should be: UNUSED

Enums

STATE_UNSPECIFIED	Unspecified state.
UNUSED	Request did not specify use of this field in the result.
ADDED	Asset was added between the points in time.
REMOVED	Asset was removed between the points in time.
ACTIVE	Asset was active at both point(s) in time.