Lists an organization's assets.

```
GET https://securitycenter.googleapis.com/v1/{parent=organizations/*}/assets
```

The URL uses gRPC Transcoding
 (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

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 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

Parameters	

- 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.

The following are the allowed field and operator combinations:

- name: =

- updateTime: =, >, <, >=, <=

Usage: This should be milliseconds since epoch or an RFC3339 string. Examples: "updateTime = "2019-06-10T16:07:18-07:00"" "updateTime = 1560208038000"

- createTime: =, >, <, >=, <=

Usage: This should be milliseconds since epoch or an RFC3339 string. Examples: "createTime = "2019-06-10T16:07:18-07:00"" "createTime = 1560208038000"

- iamPolicy.policy_blob: =, :

- resourceProperties: =, :, >, <, >=, <=

- securityMarks.marks: =, :

- securityCenterProperties.resource_name: =, :

- securityCenterProperties.resource_type: =, :

- securityCenterProperties.resource_parent: =, :

- securityCenterProperties.resource_project: =, :

- securityCenterProperties.resource_owners: =, :

Parameters	
	For example, `resourceProperties.size = 100` is a valid filter string.
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. The following fields are supported: name updateTime resourceProperties securityMarks.marks securityCenterProperties.resource_name securityCenterProperties.resource_parent securityCenterProperties.resource_project securityCenterProperties.resource_type
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 (<ins>Duration</ins> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Duration) format) When compareDuration is set, the ListAssetsResult's "stateChange" 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 stateChange 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 "stateChange" values when compareDuration is specified: • "ADDED": indicates that the asset was not present at the start of 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 stateChange is "UNUSED", which will be the stateChange set for all assets present at readTime. A duration in seconds with up to nine fractional digits, terminated by 's'. Example: "3.5s".

Parameters	
fieldMask	string (<u>FieldMask</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.FieldMask) format) 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".
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

JSON representation

Fields

listAssetsResults[]	**object (<u>ListAssetsResult</u>** **(/security-command-center/docs/reference/rest/v1/organizations.assets/list#ListAssetsResult)** **)** Assets matching the list request.
readTime	**string (<u>Timestamp</u>** **(https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp)** **format)** Time used for executing the list request. A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Example: `"2014-10-02T15:01:23.045123456Z"`.
nextPageToken	**string** Token to retrieve the next page of results, or empty if there are no more results.
totalSize	**number** The total number of assets matching the query.

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).

Result containing the Asset and its State.

JSON representation

Fields	
`asset`	object (Asset (/security-command- center/docs/reference/rest/v1/organizations.assets/list#Asset)) Asset matching the search request.

Fields

stateChange	enum (**StateChange** (/security-command-center/docs/reference/rest/v1/organizations.assets/list#StateChange))
	State change of the asset between the points in time.

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

Fields	
name	**string** 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_resourc Example: "organizations/{organization_id}/assets/{asset_id}".
securityCenterProperties	**object (SecurityCenterProperties** **(/security-command-** **center/docs/reference/rest/v1/organizations.assets/list#SecurityCenterP** **s)** **)** Cloud SCC managed properties. These properties are managed by Cloud SC cannot be modified by the user.
resourceProperties	**map (key: string, value: value (Value** **(https://developers.google.com/protocol-** **buffers/docs/reference/google.protobuf#google.protobuf.Value)** **format))** Resource managed properties. These properties are managed and defined GCP resource and cannot be modified by the user. An object containing a list of "**key**": **value** pairs. Example: { "**name**": "**wrench**", "**mass**": "**1.3kg**", "**count**": "**3**" }.
securityMarks	**object (SecurityMarks** **(/security-command-** **center/docs/reference/rest/v1/organizations.sources.findings#SecurityM** **)** User specified security marks. These marks are entirely managed by the us come from the SecurityMarks resource that belongs to the asset.

Fields	
createTime	string (<ins>Timestamp</ins> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp) format) The time at which the asset was created in Cloud SCC. A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Exa `"2014-10-02T15:01:23.045123456Z"`.
updateTime	string (<ins>Timestamp</ins> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp) format) The time at which the asset was last updated, added, or deleted in Cloud S(A timestamp in RFC3339 UTC "Zulu" format, accurate to nanoseconds. Exa `"2014-10-02T15:01:23.045123456Z"`.
iamPolicy	object (<ins>IamPolicy</ins> (/security-command-center/docs/reference/rest/v1/organizations.assets/list#IamPolicy)) IAM Policy information associated with the GCP resource described by the SCC asset. This information is managed and defined by the GCP resource cannot be modified by the user.

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

JSON representation

JSON representation

Fields

resourceName	string The full resource name of the GCP resource this asset represents. This field immutable after create time. See: https://cloud.google.com/apis/design/resource_names#full_resource_nar (https://cloud.google.com/apis/design/resource_names#full_resource_na
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_nar (https://cloud.google.com/apis/design/resource_names#full_resource_na
resourceProject	string The full resource name of the project the resource belongs to. See: https://cloud.google.com/apis/design/resource_names#full_resource_nar (https://cloud.google.com/apis/design/resource_names#full_resource_na
resourceOwners[]	string Owners of the Google Cloud resource.

IAM Policy information associated with the GCP resource described by the Cloud SCC asset. This information is managed and defined by the GCP resource and cannot be modified by the user.

JSON representation

Fields

policyBlob	string
	The JSON representation of the Policy associated with the asset. See https://cloud.google.com/iam/reference/rest/v1/Policy (https://cloud.google.com/iam/reference/rest/v1/Policy) for format details.

The change in 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 change will be: UNUSED

Enums

UNUSED	State change is unused, this is the canonical default for this enum.
ADDED	Asset was added between the points in time.
REMOVED	Asset was removed between the points in time.
ACTIVE	Asset was present at both point(s) in time.