Filters an organization's assets and groups them by their specified properties.

POST https://securitycenter.googleapis.com/v1/{parent=organizations/*}/assets:group

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 to groupBy. Its format is "organizations/[organization_id]".

The request body contains data with the following structure:

JSON representation

Fields

filter	string

Fields	
	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 • 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 field and operator combinations are supported: • 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"

Fields	
	- iamPolicy.policy_blob: =, : - resourceProperties: =, :, >, <, >=, <= - securityMarks.marks: =, : - securityCenterProperties.resource_name: =, : - securityCenterProperties.resource_type: =, : - securityCenterProperties.resource_parent: =, : - securityCenterProperties.resource_project: =, : - securityCenterProperties.resource_owners: =, : For example, `resourceProperties.size = 100` is a valid filter string.
groupBy	**string** Required. Expression that defines what assets fields to use for grouping. T string value should follow SQL syntax: comma separated list of fields. For example: "securityCenterProperties.resource_project,securityCenterProperties.proje The following fields are supported when compareDuration is not set: - securityCenterProperties.resource_project - securityCenterProperties.resource_type - securityCenterProperties.resource_parent The following fields are supported when compareDuration is set: - securityCenterProperties.resource_type

Fields	
compareDuration	string (<u>Duration</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Duration) `format`) When compareDuration is set, the GroupResult's "stateChange" property 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 change value is derived based on the presence of the asset at the two points in time. Intermediate state changes between the two times don' 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 reference_time. • "REMOVED": indicates that the asset was present at the start of compareDuration, but not present at reference_time. • "ACTIVE": indicates that the asset was present at both the start and the end of the time period defined by compareDuration and reference_time. If compareDuration is not specified, then the only possible stateChange is "UNUSED", which will be the stateChange set for all assets present at readTime. If this field is set then `stateChange` must be a specified field in `groupBy`. A duration in seconds with up to nine fractional digits, terminated by '`s`'. Example: "`3.5s`".

Fields	
readTime	string (<u>Timestamp</u> (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 speci 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".
pageToken	string The value returned by the last GroupAssetsResponse; indicates that this a continuation of a prior assets.group 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 1 minimum is 1, maximum is 1000.

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

Response message for grouping by assets.

JSON representation

Fields

`groupByResults[]`	object ([GroupResult](/security-command-center/docs/reference/rest/v1/GroupResult)) Group results. There exists an element for each existing unique combination of property/values. The element contains a count for the number of times those specific property/values appear.
`readTime`	string ([Timestamp](https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp) `format`) Time used for executing the groupBy 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 results 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.group`

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