[Cloud AutoML Vision](#)

# REST Resource: projects.locations.operations

## Resource: Operation

This resource represents a long-running operation that is the result of a network API call.

| JSON representation |
| --- |

```
{
  "name": string,
  "metadata": {
    "@type": string,
    field1: ...,
    ...
  },
  "done": boolean,

  // Union field result can be only one of the following:
  "error": {
    object (Status (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.loca
  },
  "response": {
    "@type": string,
    field1: ...,
    ...
  }
  // End of list of possible types for union field result.
}
```

| Fields | |
| --- | --- |
| name | **string**<br><br>The server-assigned name, which is only unique within the same service that originally returns it. If you use the default HTTP mapping, the **name** should be a resource name ending with **operations/{unique_id}**. |

| Fields | |
|---|---|
| metadata | **object** <br><br> Service-specific metadata associated with the operation. It typically contains progress information and common metadata such as create time. Some services might not provide such metadata. Any method that returns a long-running operation should document the metadata type, if any. <br><br> An object containing fields of an arbitrary type. An additional field `"@type"` contains a URI identifying the type. Example: `{ "id": 1234, "@type": "types.example.com/standard/id" }`. |
| done | **boolean** <br><br> If the value is `false`, it means the operation is still in progress. If `true`, the operation is completed, and either `error` or `response` is available. |
| Union field `result`. The operation result, which can be either an `error` or a valid `response`. If `done` == `false`, neither `error` nor `response` is set. If `done` == `true`, exactly one of `error` or `response` is set. `result` can be only one of the following: | |
| error | **object (**[Status](https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations#Status)**)** <br><br> The error result of the operation in case of failure or cancellation. |
| response | **object** <br><br> The normal response of the operation in case of success. If the original method returns no data on success, such as `Delete`, the response is `google.protobuf.Empty`. If the original method is standard `Get`/`Create`/`Update`, the response should be the resource. For other methods, the response should have the type **XxxResponse**, where **Xxx** is the original method name. For example, if the original method name is `TakeSnapshot()`, the inferred response type is `TakeSnapshotResponse`. <br><br> An object containing fields of an arbitrary type. An additional field `"@type"` contains a URI identifying the type. Example: `{ "id": 1234, "@type": "types.example.com/standard/id" }`. |

# Status

The `Status` type defines a logical error model that is suitable for different programming environments, including REST APIs and RPC APIs. It is used by gRPC (https://github.com/grpc). Each `Status` message contains three pieces of data: error code, error message, and error details.

You can find out more about this error model and how to work with it in the API Design Guide (https://cloud.google.com/apis/design/errors).

## JSON representation

```
{
  "code": number,
  "message": string,
  "details": [
    {
      "@type": string,
      field1: ...,
      ...
    }
  ]
}
```

## Fields

| | |
|---|---|
| `code` | `number` <br><br> The status code, which should be an enum value of `google.rpc.Code`. |
| `message` | `string` <br><br> A developer-facing error message, which should be in English. Any user-facing error message should be localized and sent in the google.rpc.Status.details (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations#Status.FIELDS.details) field, or localized by the client. |

## Fields

| details[] | object |
|---|---|
| | A list of messages that carry the error details. There is a common set of message types for APIs to use. |
| | An object containing fields of an arbitrary type. An additional field `"@type"` contains a URI identifying the type. Example: `{ "id": 1234, "@type": "types.example.com/standard/id" }`. |

## Methods

| cancel (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations/cancel) | Starts asynchronous cancellation on a long-running operation. |
|---|---|
| delete (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations/delete) | Deletes a long-running operation. |
| get (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations/get) | Gets the latest state of a long-running operation. |
| list (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations/list) | Lists operations that match the specified filter in the request. |
| wait (https://cloud.google.com/vision/automl/docs/reference/rest/v1beta1/projects.locations.operations/wait) | Waits for the specified long-running operation until it is done or reaches at most a specified timeout, returning the latest state. |

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