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Package google.longrunning

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Operations

Manages long-running operations with an API service.

When an API method normally takes long time to complete, it can be designed to return
Operation
 (https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operation)
to the client, and the client can use this interface to receive the real response asynchronously by
polling the operation resource, or pass the operation resource to another API (such as Google
Cloud Pub/Sub API) to receive the response. Any API service that returns long-running
operations should implement the `Operations` interface so developers can have a consistent
client experience.

CancelOperation

CancelOperation

rpc CancelOperation(<u>CancelOperationRequest</u>
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.CancelOperationRequest)
) returns (<u>Empty</u>
(https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Empty)
)

Starts asynchronous cancellation on a long-running operation. The server makes a best effort to cancel the operation, but success is not guaranteed. If the server doesn't support this method, it returns `google.rpc.Code.UNIMPLEMENTED`. Clients can use <u>Operations.GetOperation</u>
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operations.GetOperation)
or other methods to check whether the cancellation succeeded or whether the operation completed despite cancellation. On successful cancellation, the operation is not deleted; instead, it becomes an operation with an <u>Operation.error</u>
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.rpc.Status.google.longrunning.Operation.error)
value with a <u>google.rpc.Status.code</u>
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.rpc#google.rpc.Status.FIELDS.int32.google.rpc.Status.code)
of 1, corresponding to `Code.CANCELLED`.

Authorization Scopes

Requires one of the following OAuth scopes:

- `https://www.googleapis.com/auth/jobs`

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the <u>Authentication Overview</u> (https://cloud.google.com/docs/authentication/).

DeleteOperation

DeleteOperation

```
rpc DeleteOperation(DeleteOperationRequest
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.DeleteOperationRequest)
) returns (Empty
(https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Empty)
)
```

Deletes a long-running operation. This method indicates that the client is no longer interested in the operation result. It does not cancel the operation. If the server doesn't support this method, it returns `google.rpc.Code.UNIMPLEMENTED`.

Authorization Scopes

Requires one of the following OAuth scopes:

- `https://www.googleapis.com/auth/jobs`

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

GetOperation

GetOperation

```
rpc GetOperation(GetOperationRequest
 (https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.GetOperationRequest)
) returns (Operation
 (https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operation)
)
```

Gets the latest state of a long-running operation. Clients can use this method to poll the operation result at
intervals as recommended by the API service.

Authorization Scopes

Requires one of the following OAuth scopes:

- `https://www.googleapis.com/auth/jobs`

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

ListOperations

ListOperations

```
rpc ListOperations(ListOperationsRequest
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.ListOperationsRequest)
) returns (ListOperationsResponse
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.ListOperationsResponse)
)
```

Lists operations that match the specified filter in the request. If the server doesn't support this method, it returns `UNIMPLEMENTED`.

NOTE: the **name** binding allows API services to override the binding to use different resource name schemes, such as `users/*/operations`. To override the binding, API services can add a binding such as `"/v1/{name=users/*}/operations"` to their service configuration. For backwards compatibility, the default name includes the operations collection id, however overriding users must ensure the name binding is the parent resource, without the operations collection id.

Authorization Scopes

Requires one of the following OAuth scopes:

- `https://www.googleapis.com/auth/jobs`

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

WaitOperation

WaitOperation

```
rpc WaitOperation(WaitOperationRequest
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.WaitOperationRequest)
) returns (Operation
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operation)
)
```

Waits for the specified long-running operation until it is done or reaches at most a specified timeout, returning the latest state. If the operation is already done, the latest state is immediately returned. If the timeout specified is greater than the default HTTP/RPC timeout, the HTTP/RPC timeout is used. If the server does not support this method, it returns `google.rpc.Code.UNIMPLEMENTED`. Note that this method is on a best-effort basis. It may return the latest state before the specified timeout (including immediately), meaning even an immediate response is no guarantee that the operation is done.

Authorization Scopes

Requires one of the following OAuth scopes:

- `https://www.googleapis.com/auth/jobs`

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

CancelOperationRequest

The request message for `Operations.CancelOperation`
 (https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operations.CancelOperation)
.

Fields	
name	string
	The name of the operation resource to be cancelled.

DeleteOperationRequest

The request message for `Operations.DeleteOperation`
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operations.DeleteOperation)
.

Fields	
`name`	`string` The name of the operation resource to be deleted.

GetOperationRequest

The request message for `Operations.GetOperation`
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operations.GetOperation)
.

Fields	
`name`	`string` The name of the operation resource.

ListOperationsRequest

The request message for `Operations.ListOperations`
(https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operations.ListOperations)
.

Fields

Fields	
name	string
	The name of the operation's parent resource.
filter	string
	The standard list filter.
page_size	int32
	The standard list page size.
page_token	string
	The standard list page token.

ListOperationsResponse

The response message for **Operations.ListOperations**
 (https://cloud.google.com/talent-solution/job-
search/docs/reference/rpc/google.longrunning#google.longrunning.Operations.ListOperations)
.

Fields	
operations[]	**Operation** (https://cloud.google.com/talent-solution/job- search/docs/reference/rpc/google.longrunning#google.longrunning.Operation) A list of operations that matches the specified filter in the request.
next_page_token	string The standard List next-page token.

Operation

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

Fields	
name	**string** 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}`.
metadata	[Any](https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Any) (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Any) 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.
done	**bool** 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	[Status](https://cloud.google.com/talent-solution/job-search/docs/reference/rpc/google.rpc#google.rpc.Status) (https://cloud.google.com/talent-solution/job-search/docs/reference/rpc/google.rpc#google.rpc.Status) The error result of the operation in case of failure or cancellation.

Fields

| response | **Any** (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Any)

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`. |

WaitOperationRequest

The request message for `Operations.WaitOperation` (https://cloud.google.com/talent-solution/job-search/docs/reference/rpc/google.longrunning#google.longrunning.Operations.WaitOperation).

Fields

| name | **string**

The name of the operation resource to wait on. |
| timeout | **Duration** (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Duration)

The maximum duration to wait before timing out. If left blank, the wait will be at most the time permitted by the underlying HTTP/RPC protocol. If RPC context deadline is also specified, the shorter one will be used. |

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