

[Cloud SQL](https://cloud.google.com/sql/) (<https://cloud.google.com/sql/>)

[Documentation](https://cloud.google.com/sql/docs/) (<https://cloud.google.com/sql/docs/>)

[MySQL](https://cloud.google.com/sql/docs/mysql/) (<https://cloud.google.com/sql/docs/mysql/>) [Reference](#)



# Method: instances.list

Lists instances under a given project.

## HTTP request

GET <https://www.googleapis.com/sql/v1beta4/projects/{project}/instances>

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.

## Path parameters

### Parameters

<b>project</b>	<b>string</b>
	Project ID of the project for which to list Cloud SQL instances.

## Query parameters

### Parameters

<b>filter</b>	<b>string</b>
	A filter expression that filters resources listed in the response. The expression is in the form of field:value. For example, 'instanceType:CLOUD_SQL_INSTANCE'. Fields can be nested as needed as per their JSON representation, such as 'settings.userLabels.auto_start:true'.
	Multiple filter queries are space-separated. For example, 'state:RUNNABLE instanceType:CLOUD_SQL_INSTANCE'. By default, each expression is an AND expression. However, you can include AND and OR expressions explicitly.

## Parameters

<b>maxResults</b>	<b>integer (uint32)</b> ( <a href="https://developers.google.com/discovery/v1/type-format">https://developers.google.com/discovery/v1/type-format</a> ) <b>format</b> )  The maximum number of results to return per response.
<b>pageToken</b>	<b>string</b>  A previously-returned page token representing part of the larger set of results to view.

## Request body

The request body must be empty.

## Response body

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

Database instances list response.

## JSON representation

```
{
  "kind": string,
  "warnings": [
    {
      object (ApiWarning (https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instance
    )
  ],
  "items": [
    {
      object (DatabaseInstance (https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/i
    )
  ],
  "nextPageToken": string
}
```

## Fields

Fields	
<b>kind</b>	<b>string</b> This is always <b>sql#instancesList</b> .
<b>warnings[]</b>	<b>object (<u>ApiWarning</u></b> ( <a href="https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instances/list#ApiWarning">https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instances/list#ApiWarning</a> ) ) backupRuns.list of warnings that occurred while handling the request.
<b>items[]</b>	<b>object (<u>DatabaseInstance</u></b> ( <a href="https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instances#DatabaseInstance">https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instances#DatabaseInstance</a> ) ) backupRuns.list of database instance resources.
<b>nextPageToken</b>	<b>string</b> The continuation token, used to page through large result sets. Provide this value in a subsequent request to return the next page of results.

## Authorization Scopes

Requires one of the following OAuth scopes:

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

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

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

## ApiWarning

An Admin API warning message.

### JSON representation

```
{
  "code": enum (SqlApiWarningCode (https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instances/list#SqlApiWarningCode)
  "message": string
}
```

### Fields

<b>code</b>	enum ( <a href="https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instances/list#SqlApiWarningCode">SqlApiWarningCode</a> (https://cloud.google.com/sql/docs/mysql/admin-api/rest/v1beta4/instances/list#SqlApiWarningCode) ) Code to uniquely identify the warning type.
<b>message</b>	string The warning message.

## SqlApiWarningCode

### Enums

<b>SQL_API_WARNING_CODE_UNSPECIFIED</b>	An unknown or unset warning type from Cloud SQL API.
<b>REGION_UNREACHABLE</b>	Warning when one or more regions are not reachable. The returned result set may be incomplete.

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