

# Google API Documentation

## discovery API Documentation

Version: v1

Provides information about other Google APIs, such as what APIs are available, the resource, and method details for each API.

# Google API Documentation

## Endpoint: `apis.getRest`

HTTP Method: GET

Path: `apis/{api}/{version}/rest`

Description: Retrieve the description of a particular version of an api.

## AI-Generated Documentation

**\*\*1. Friendly technical description with common use cases:\*\***

The ``discovery.apis.getRest`` method in ``discovery`` returns a REST description of an API. The response is a JSON representation of the API with the following fields:

- \* ``id``: The API's unique identifier.
- \* ``name``: The API's name.
- \* ``version``: The API's version.
- \* ``title``: The API's title.
- \* ``description``: The API's description.
- \* ``discoveryVersion``: The API's discovery version.
- \* ``protocol``: The API's protocol.
- \* ``basePath``: The API's base path.
- \* ``rootUrl``: The API's root URL.
- \* ``servicePath``: The API's service path.
- \* ``resources``: A list of the API's resources.

Common use cases for this method include:

- \* Getting a detailed description of an API.
- \* Determining the API's version, title, and description.
- \* Identifying the API's resources and their methods.

**\*\*2. Example request with placeholder values:\*\***

```
...  
GET https://discovery.googleapis.com/apis/discovery/v1/apis/{api}  
...
```

where:

- \* ``{api}`` is the name of the API. For example, ``drive`` or ``gmail``.

**\*\*3. Common parameters and their purposes:\*\***

The following parameters are commonly used with the ``discovery.apis.getRest`` method:

- \* ``api``: The name of the API. For example, ``drive`` or ``gmail``.
- \* ``version``: The version of the API. For example, ``v1`` or ``v2``.

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\* `prettyPrint`: Boolean that controls whether the response is pretty-printed. Defaults to `false`.

## Example Code

```
```python
from __future__ import print_function

import google.auth
from googleapiclient.discovery import build
from googleapiclient.errors import HttpError

def get_rest(api_key, service_name, version):
    """
    Prints the REST resources for the given API name and version.

    Args:
        api_key: string, API key.
        service_name: string, name of the API.
        version: string, version of the API.
    """

    credentials, _ = google.auth.default(
        scopes=["https://www.googleapis.com/auth/cloud-platform"]
    )

    service = build(
        service_name,
        version,
        developerKey=api_key,
        cache_discovery=False,
        credentials=credentials,
    )

    try:
        resources = service.resources()
    except HttpError as error:
        print(f"An error occurred: {error}")
        resources = None

    if resources:
        for resource in resources:
            print(resource["path"])

```
```

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## Endpoint: apis.list

HTTP Method: GET

Path: apis

Description: Retrieve the list of APIs supported at this endpoint.

## AI-Generated Documentation

### \*\*1. Description\*\*

The `discovery.apis.list` endpoint lists all available APIs that can be discovered. This endpoint is useful for finding APIs that are available for use, and for getting information about the APIs, such as their names, descriptions, and versions.

### \*\*2. Example request\*\*

...

GET https://discovery.googleapis.com/apis/v1/apis?key={{API\_KEY}}

...

### \*\*3. Common parameters\*\*

The following parameters are commonly used with the `discovery.apis.list` endpoint:

- \* `key`: Your API key.
- \* `name`: The name of the API to retrieve.
- \* `version`: The version of the API to retrieve.
- \* `language`: The language of the API documentation to retrieve.
- \* `maxResults`: The maximum number of APIs to return.
- \* `pageToken`: The token to use to retrieve the next page of results.

## Example Code

```
```python
from __future__ import print_function

import google.auth
from googleapiclient.discovery import build

def list_apis():
    """Lists all available APIs."""

    # pylint: disable=maybe-no-member
    credentials, project = google.auth.default(
        scopes=["https://www.googleapis.com/auth/cloud-platform"]
    )
    service = build("discovery", "v1", credentials=credentials)
```

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```
apis = service.apis().list().execute()
for api in apis["items"]:
    print(api["name"])
```

...