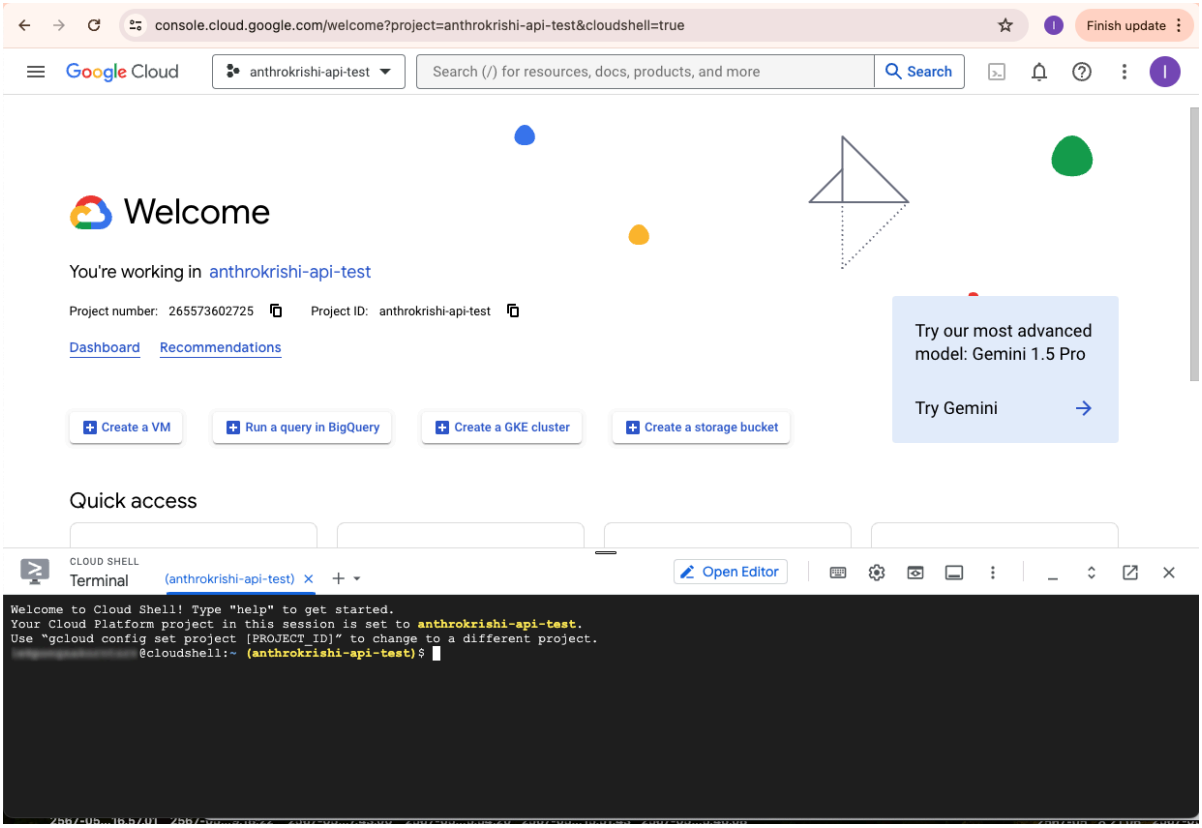
Anthrokrishi API | Customer Onboarding

Prerequisites

- GCP Billing and Project setup. Please use this checklist to enable and use all the necessary services.
- Obtain your GCP organization ID. Please follow this guideline.

Cloud Setup Process

1. Setting up and deploying the API service
    1.1. Open a Cloud Shell in the GCP console.'

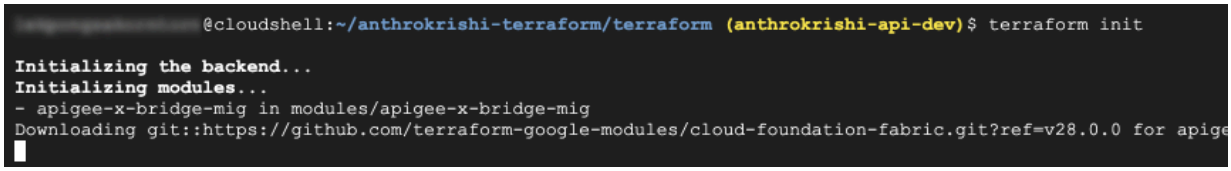


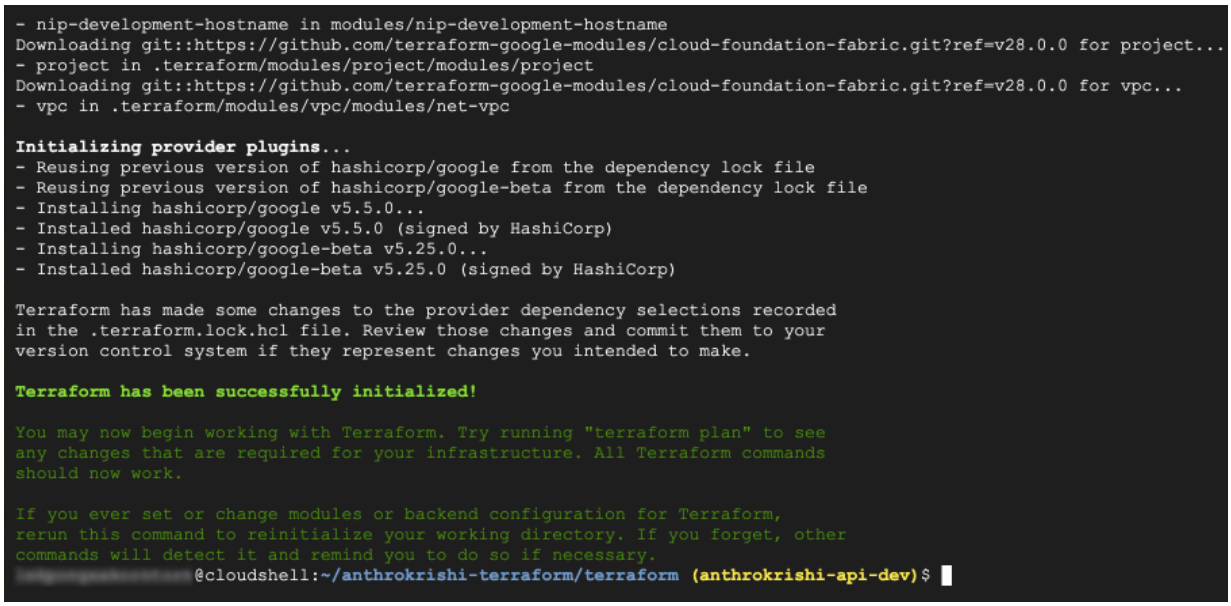
1.2. Clone the terraform script from this repo.

```
Unset
git clone https://github.com/google/alu-api
```

1.3. Initialize Terraform

```
Unset
terraform init
```



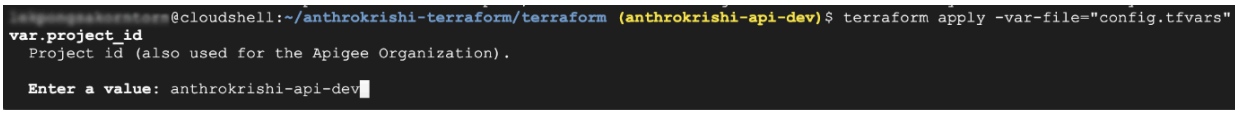


1.4. Preview the actions that Terraform plans to make to your infrastructure (Optional)

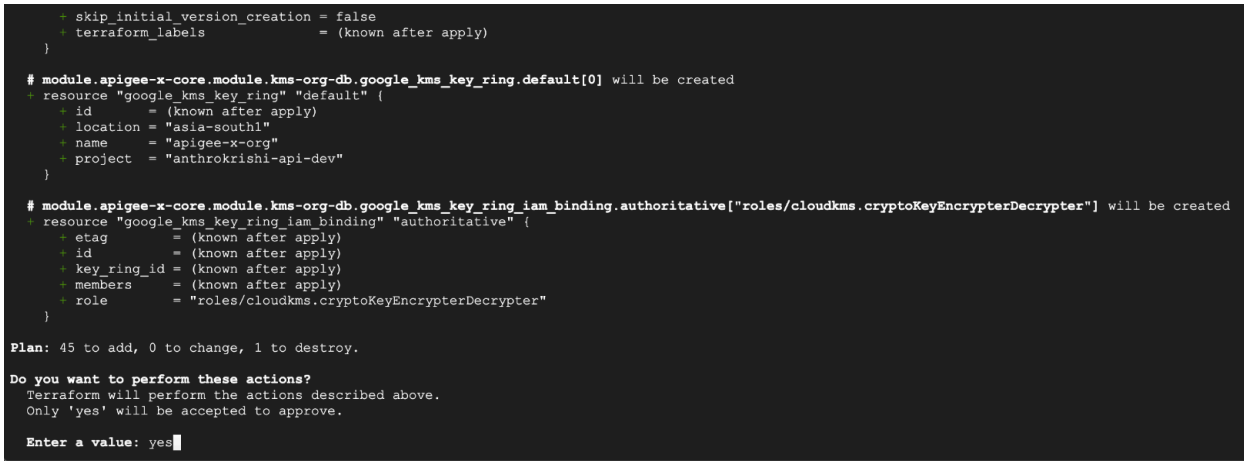
```
Unset
terraform plan -var-file="config.tfvars"
```

1.5. Executes the actions proposed in a Terraform plan

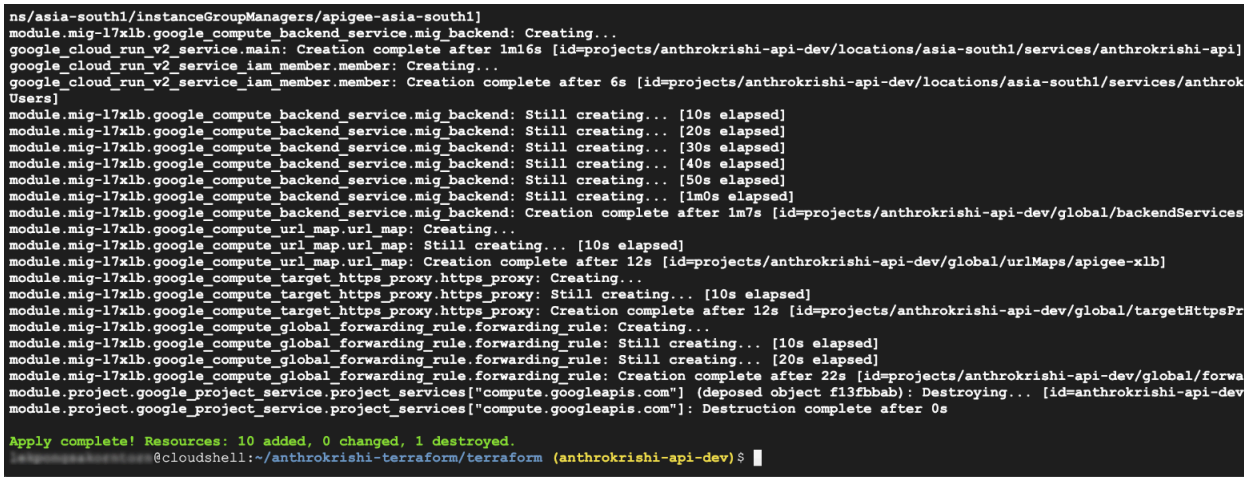
```
Unset
terraform apply -var-file="config.tfvars"
```



Type your GCP project ID



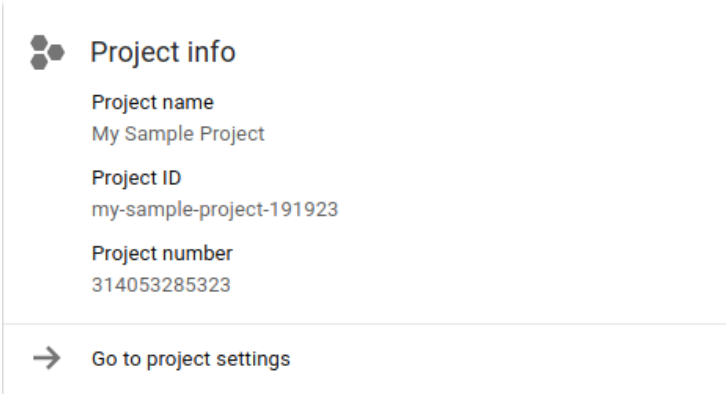
Type ‘Yes’ to confirm terraform apply



Terraform apply completed

2. Obtain your GCP organization ID and GCP project ID

- GCP organization ID
  - The organization resource ID is a unique identifier for an organization resource and is automatically created when your organization resource is created. Organization resource IDs are formatted as decimal numbers, and cannot have leading zeros.
  - You can get your organization resource ID using the Google Cloud console, the gcloud CLI, or the Cloud Resource Manager API. (see more)
- GCP project ID
  - A project ID is a unique string used to differentiate your project from all others in Google Cloud. After you enter a project name, the Google Cloud console generates a unique project ID that can be a combination of letters, numbers, and hyphens.
  - Go to the **Dashboard** page in the Google Cloud console to get your project ID.



Project info card on the Dashboard page

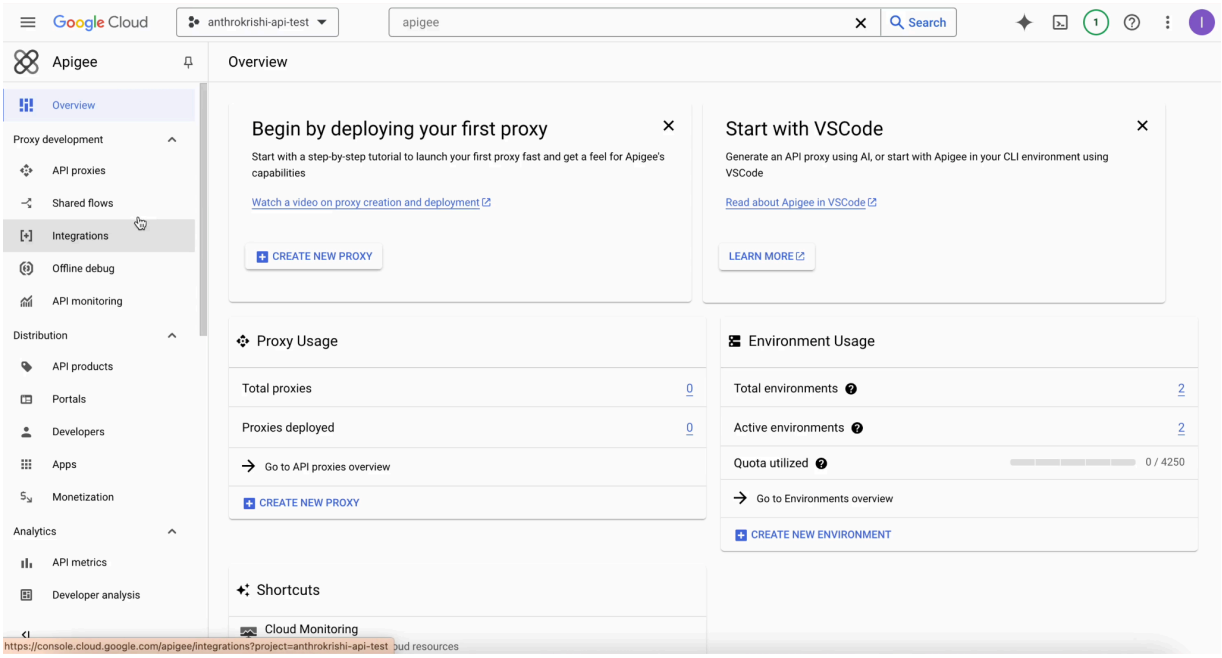
3. GCP organization ID and GCP project ID submission

The customer is required to send a GCP organization ID and a GCP project ID to the Google Team. And the Google team will add the customer's organization ID to the allow list and give the data access permission to the Service Account in the customer's project. Please submit your IDs via this Google Form.

4. Setting up an Apigee and generate an API key

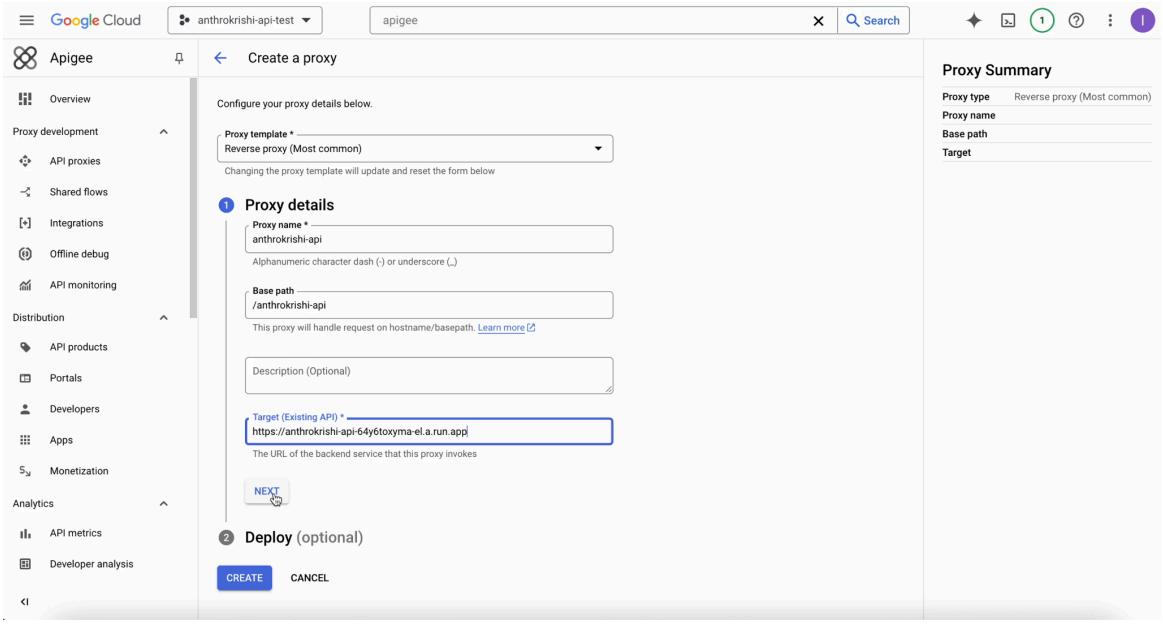
4.1. Create an proxy

4.1.1. Go to the Apigee console in the GCP console

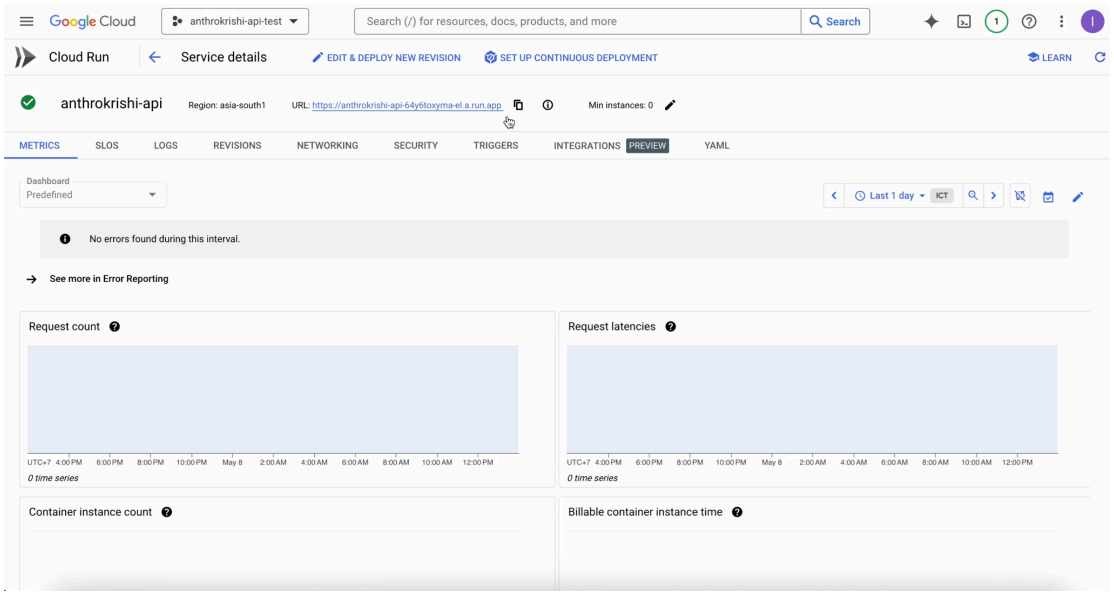


4.1.2. Navigate to "API Proxies" in the left-hand navigation menu and click **Create New Proxy**

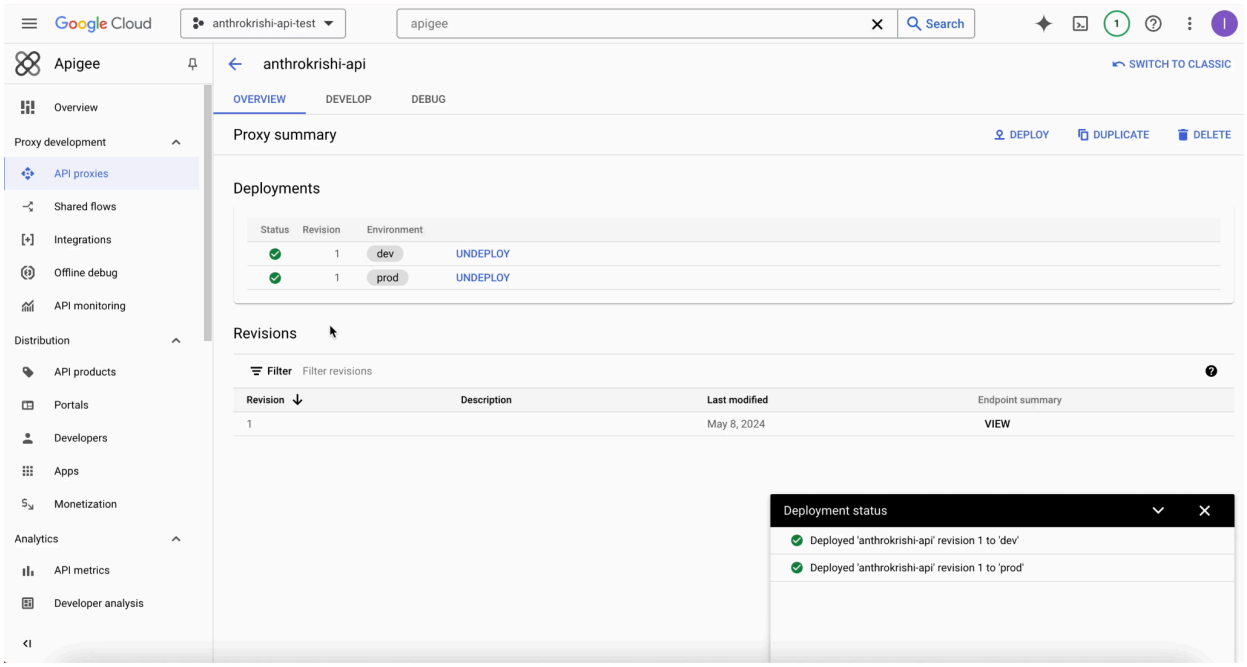
- Set the “Proxy name” to “anthrokrishi-api”
- Set the “Base path” to “/anthrokrishi-api”
- Set the “Target (Existing API)“ using an endpoint API from the Cloud run service
- Click **Create**



Configure the proxy details



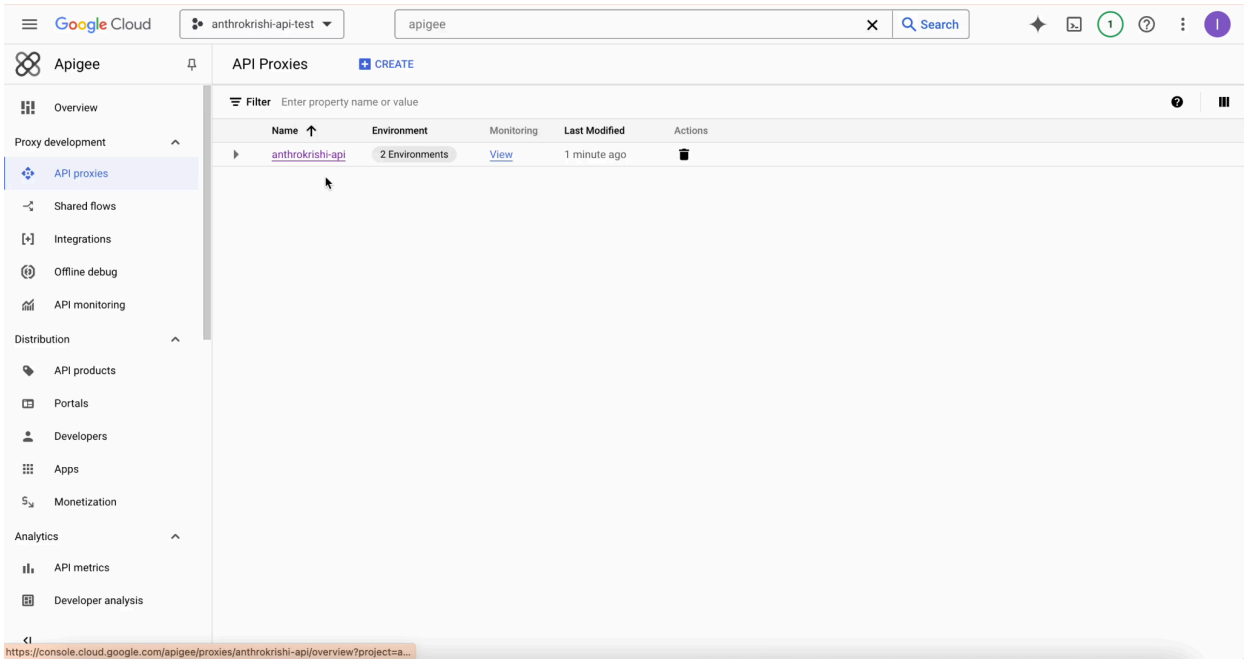
Get a target URL from the Cloud run

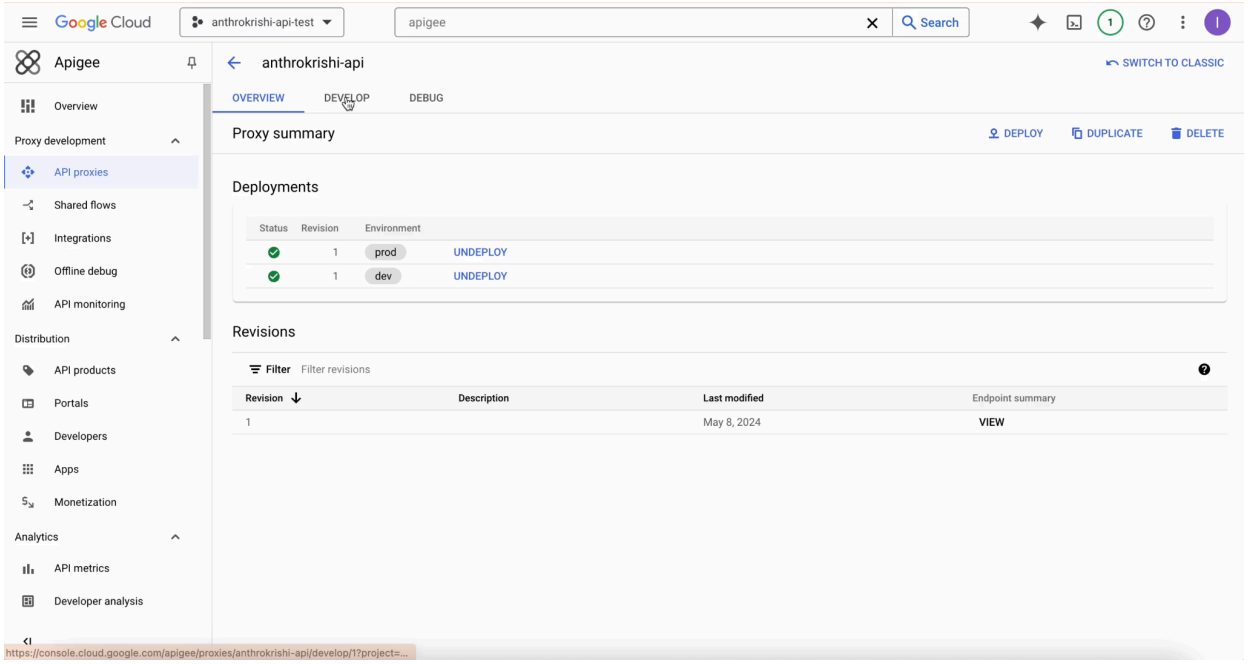


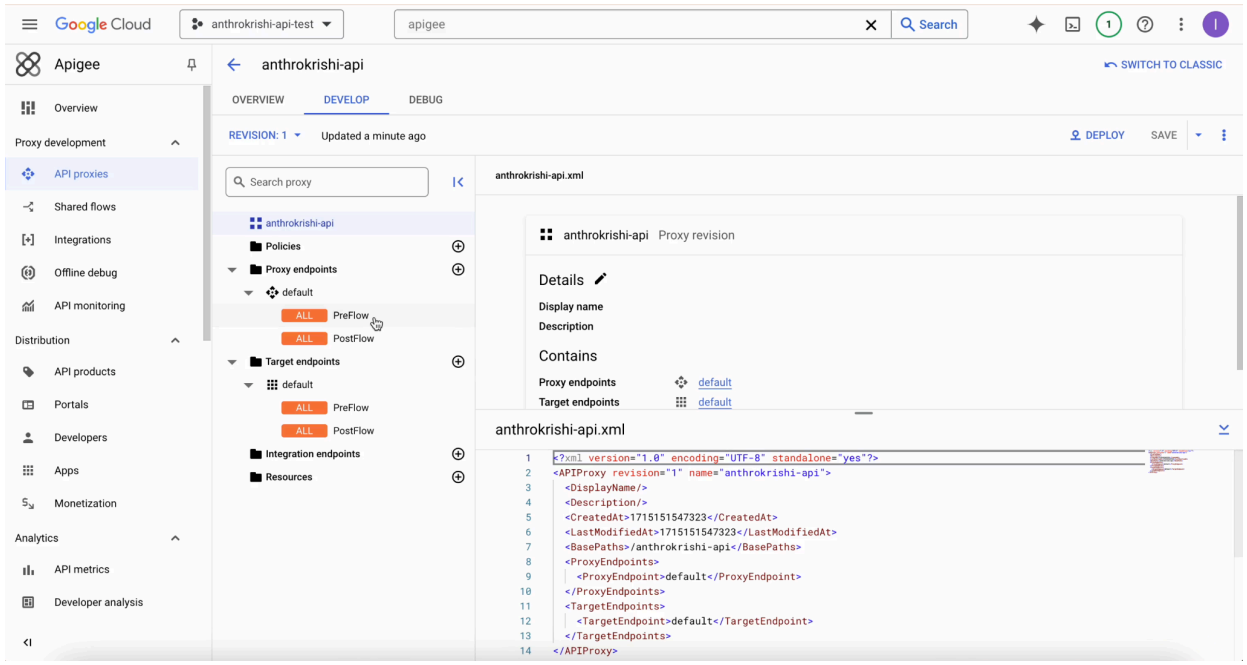
A proxy is deployed

4.1.3. Set the policies

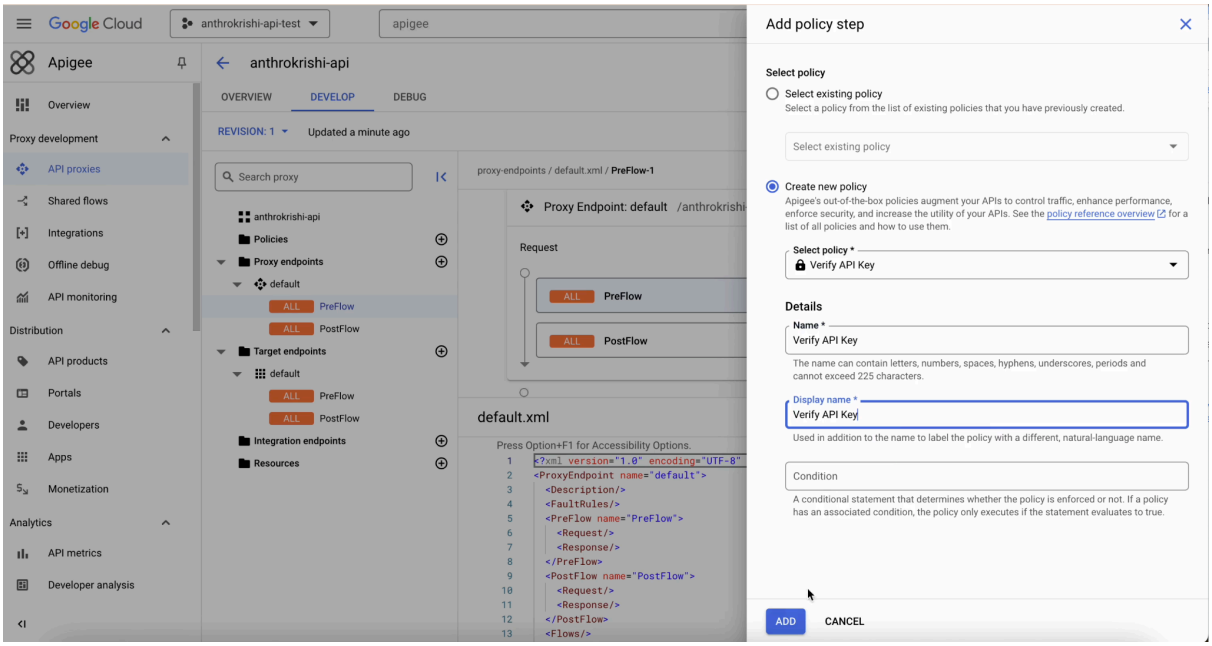
- Go to “API Proxies” and click the “anthrokrishi-api”.
- In the API Proxy editor, click the **Develop tab**.
- Click the **PreFlow** to open the policy editor.
- Click the **Add icon**





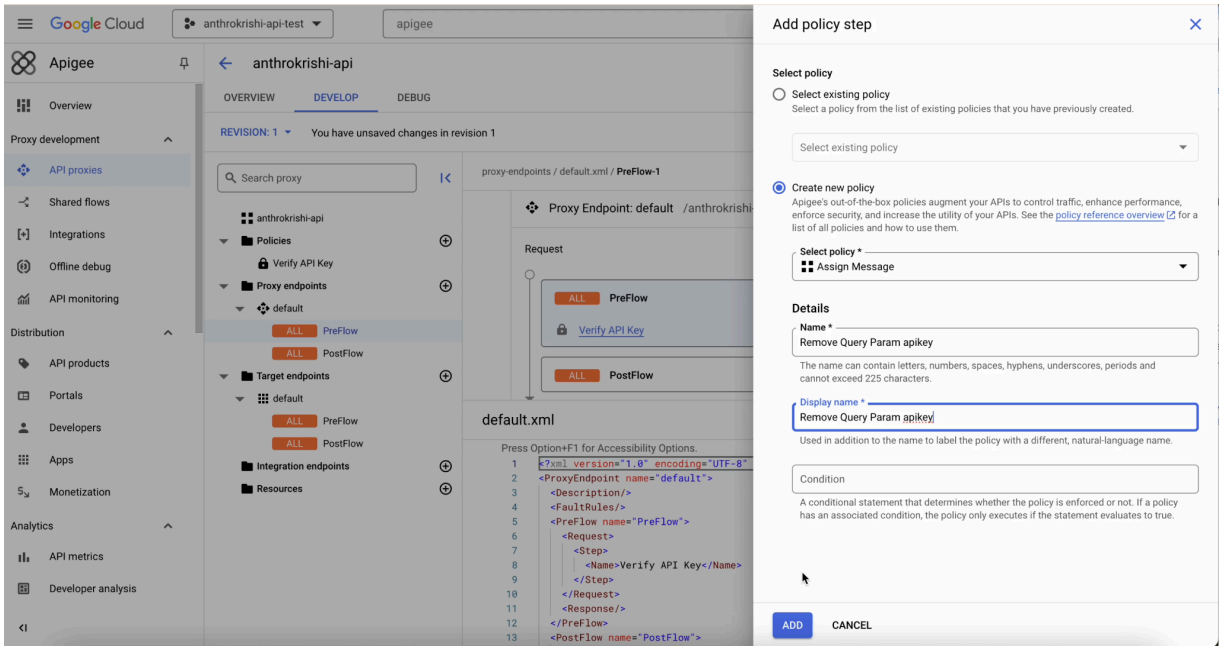


- In the add policy step editor, choose “Create new policy” and select “Verify API Key”.
  - Set the “Name” to “Verify API Key”.
  - Set the “Display name” to “Verify API Key”.
- Click **Add**.



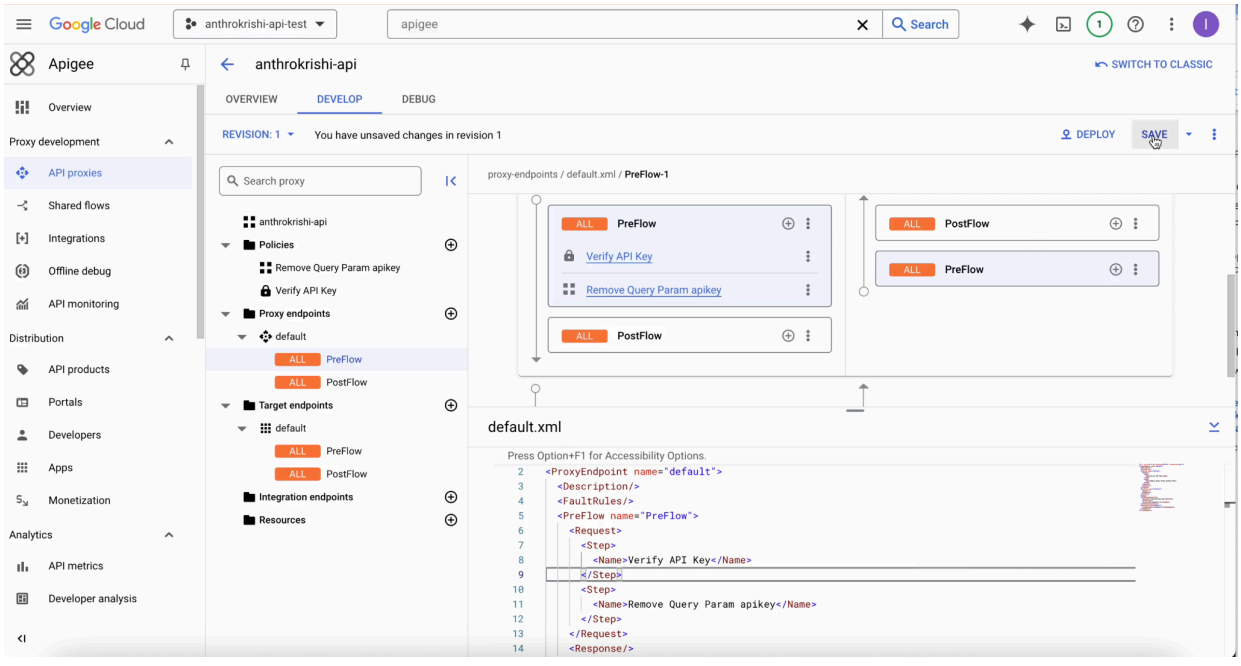
Create the ‘Verify API Key’ policy

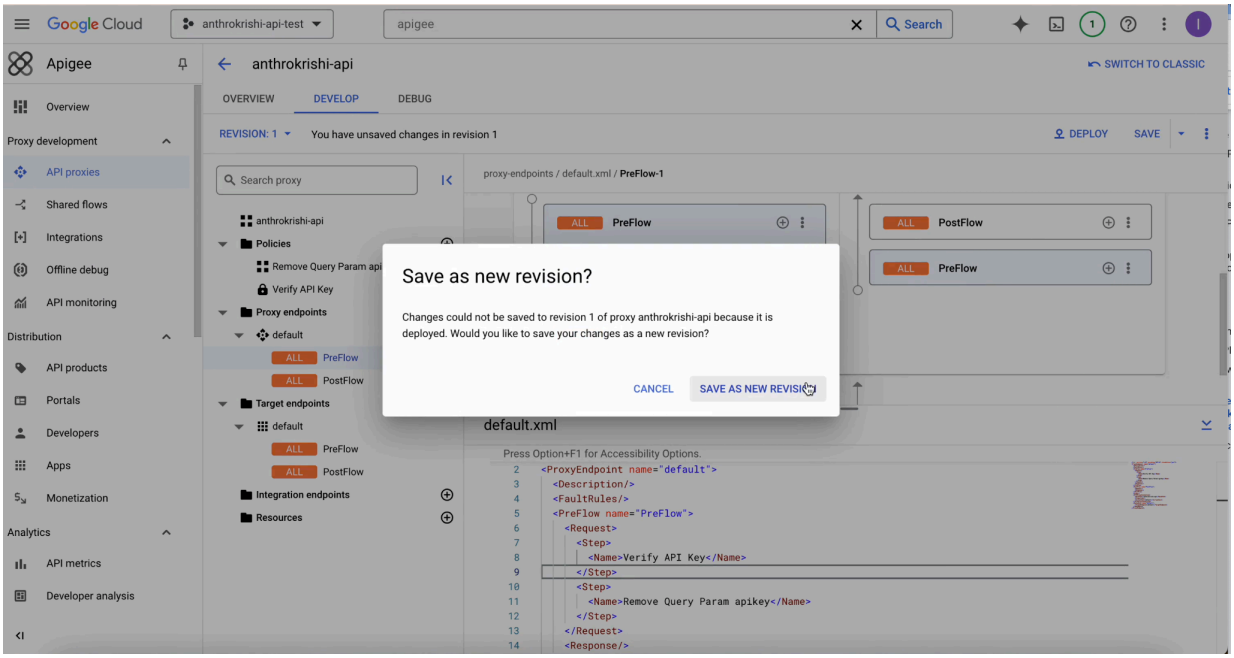
- Open add policy step editor again and choose “Create new policy” and select “Assign Message” in **Select policy** section.
    - Set the “Name” to “Remove Query Param apikey”.
    - Set the “Display name” to “Remove Query Param apikey”.
- Click **Add**.

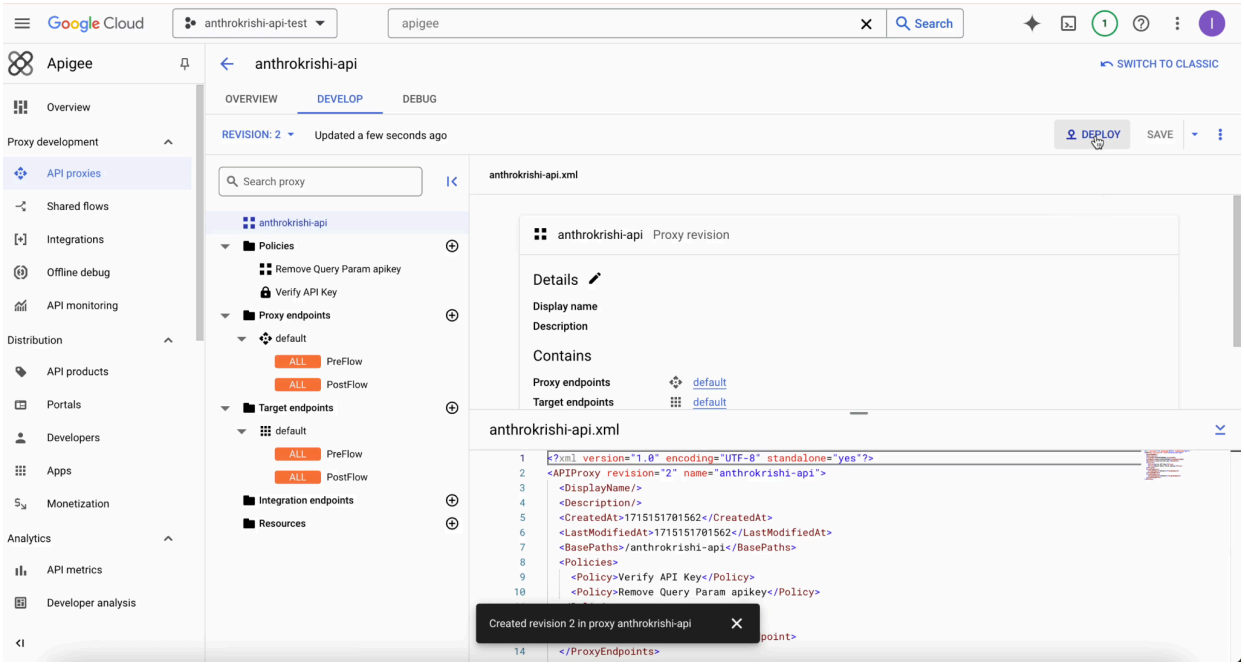


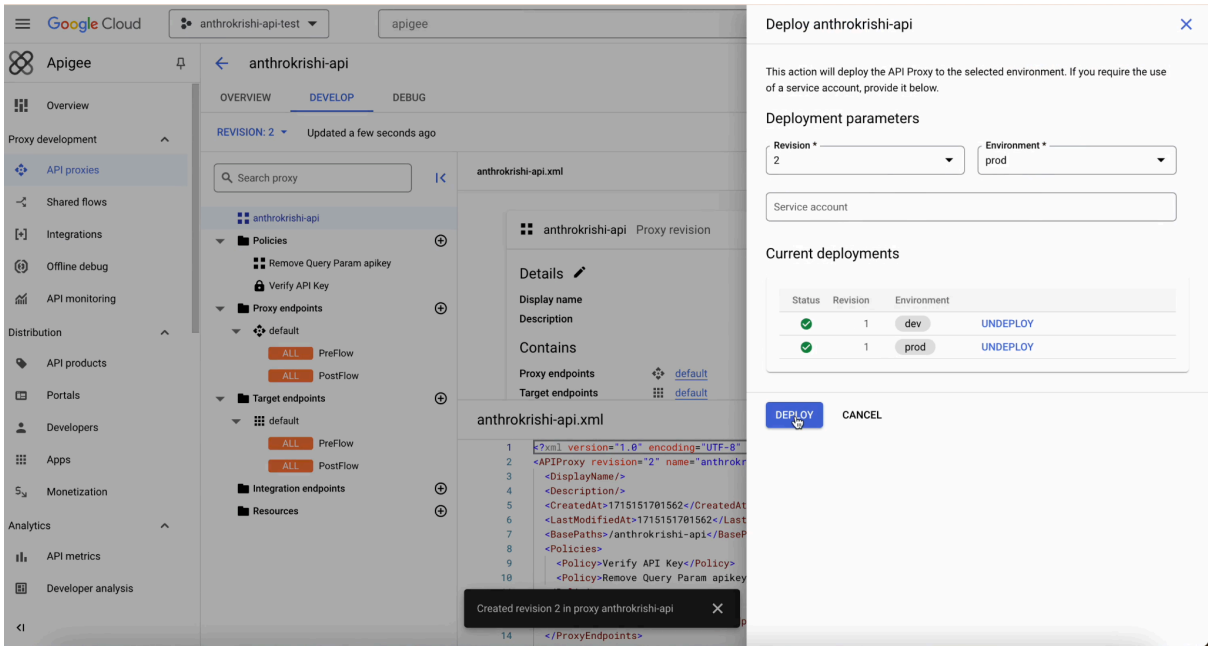
Create the 'Remove Query Param'

- In the API Proxy editor click **Save**.
- In the popup dialogue click **SAVE AS NEW REVISION**.
- Click **Deploy**.




Google Cloud
anthrokrishi-api-test
apigee
Search
Apigee
anthrokrishi-api
SWITCH TO CLASSIC
Overview
Proxy development
API proxies
Shared flows
Integrations
Offline debug
API monitoring
Distribution
API products
Portals
Developers
Apps
Monetization
Analytics
API metrics
Developer analysis
OVERVIEW
DEVELOP
DEBUG
REVISION: 1
You have unsaved changes in revision 1
DEPLOY
SAVE
Search proxy
proxy-endpoints / default.xml / PreFlow-1
anthrokrishi-api
Policies
Remove Query Param api
Verify API Key
Proxy endpoints
default
ALL PreFlow
ALL PostFlow
Target endpoints
default
ALL PreFlow
ALL PostFlow
Integration endpoints
Resources
ALL PreFlow
ALL PostFlow
Save as new revision?
Changes could not be saved to revision 1 of proxy anthrokrishi-api because it is deployed. Would you like to save your changes as a new revision?
CANCEL
SAVE AS NEW REVISION
default.xml
Press Option+F1 for Accessibility Options.
<ProxyEndpoint name="default">
<Description/>
<FaultRules/>
<PreFlow name="PreFlow">
<Request>
<Step>
<Name>Verify API Key</Name>
</Step>
<Step>
<Name>Remove Query Param apikey</Name>
</Step>
</Request>
<Response/>

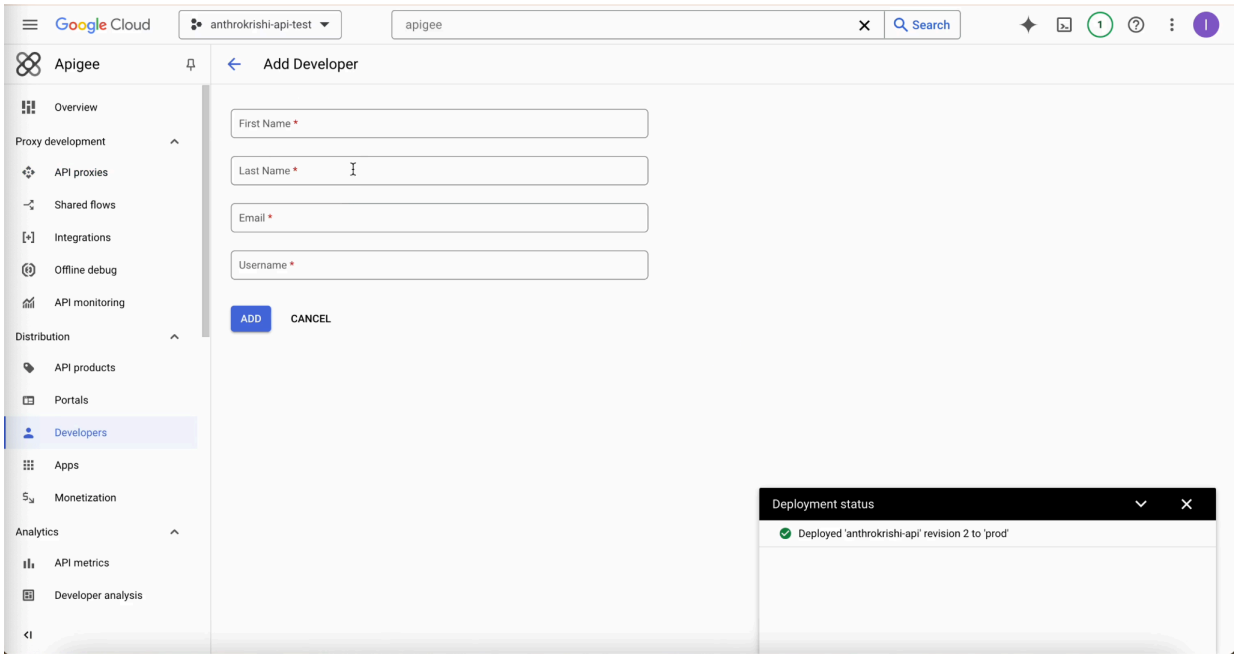

Google Cloud
anthrokrishi-api-test
apigee
Search
Apigee
anthrokrishi-api
SWITCH TO CLASSIC
Overview
Proxy development
API proxies
Shared flows
Integrations
Offline debug
API monitoring
Distribution
API products
Portals
Developers
Apps
Monetization
Analytics
API metrics
Developer analysis
OVERVIEW
DEVELOP
DEBUG
REVISION: 2
Updated a few seconds ago
DEPLOY
SAVE
Search proxy
anthrokrishi-api
Policies
Remove Query Param apikey
Verify API Key
Proxy endpoints
default
ALL PreFlow
ALL PostFlow
Target endpoints
default
ALL PreFlow
ALL PostFlow
Integration endpoints
Resources
anthrokrishi-api.xml
anthrokrishi-api Proxy revision
Details
Display name
Description
Contains
Proxy endpoints default
Target endpoints default
anthrokrishi-api.xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<APIProxy revision="2" name="anthrokrishi-api">
<DisplayName/>
<Description/>
<CreatedAt>1715151701562</CreatedAt>
<LastModifiedAt>1715151701562</LastModifiedAt>
<BasePaths>/anthrokrishi-api</BasePaths>
<Policies>
<Policy>Verify API Key</Policy>
<Policy>Remove Query Param apikey</Policy>
</ProxyEndpoints>
Created revision 2 in proxy anthrokrishi-api



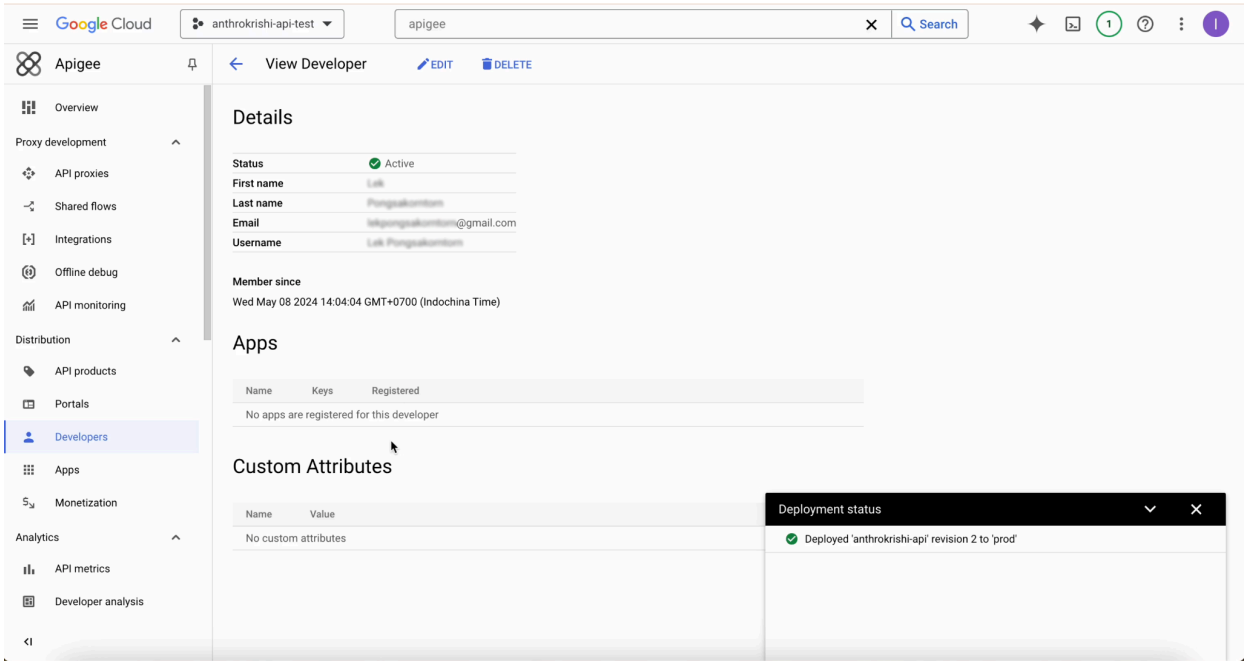
4.2. Add Developer

4.2.1. Navigate to "Developers" in the left-hand navigation menu and click.

- Set the “First Name”,
- Set the “Last Name”.
- Set the “Email”.
- Set the “Username”.
- Click **Add**



Add developer information

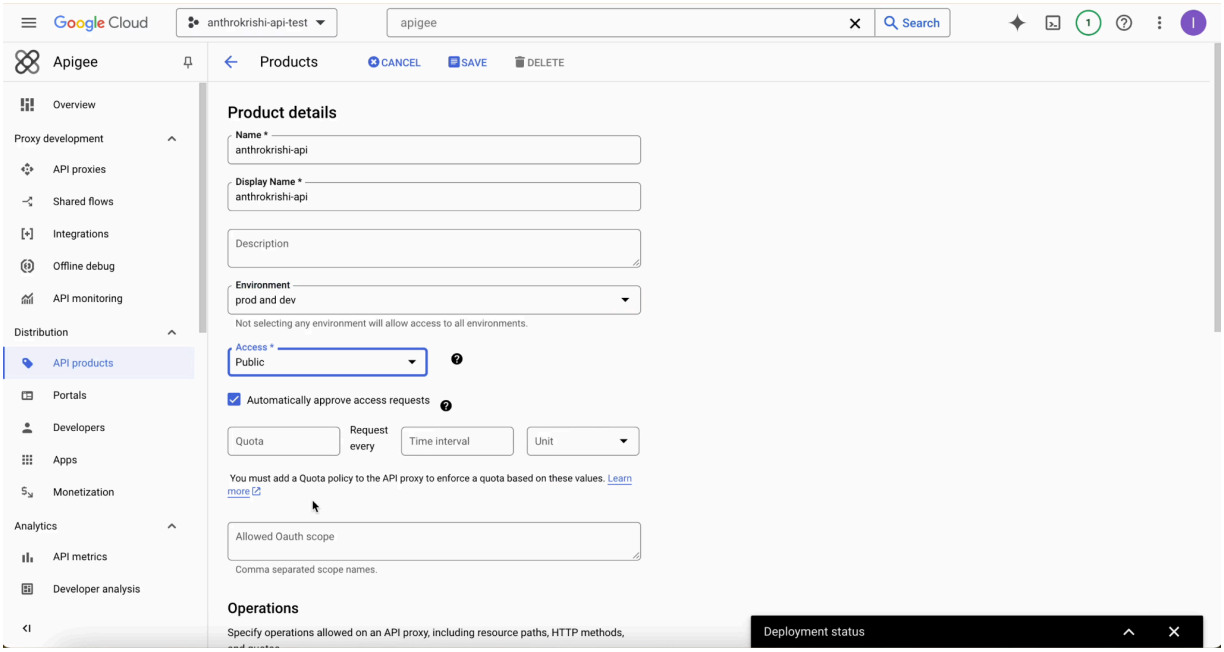


A developer was added

4.3. Create an API Product

4.3.1. Navigate to "API products" in the left-hand navigation menu and click.

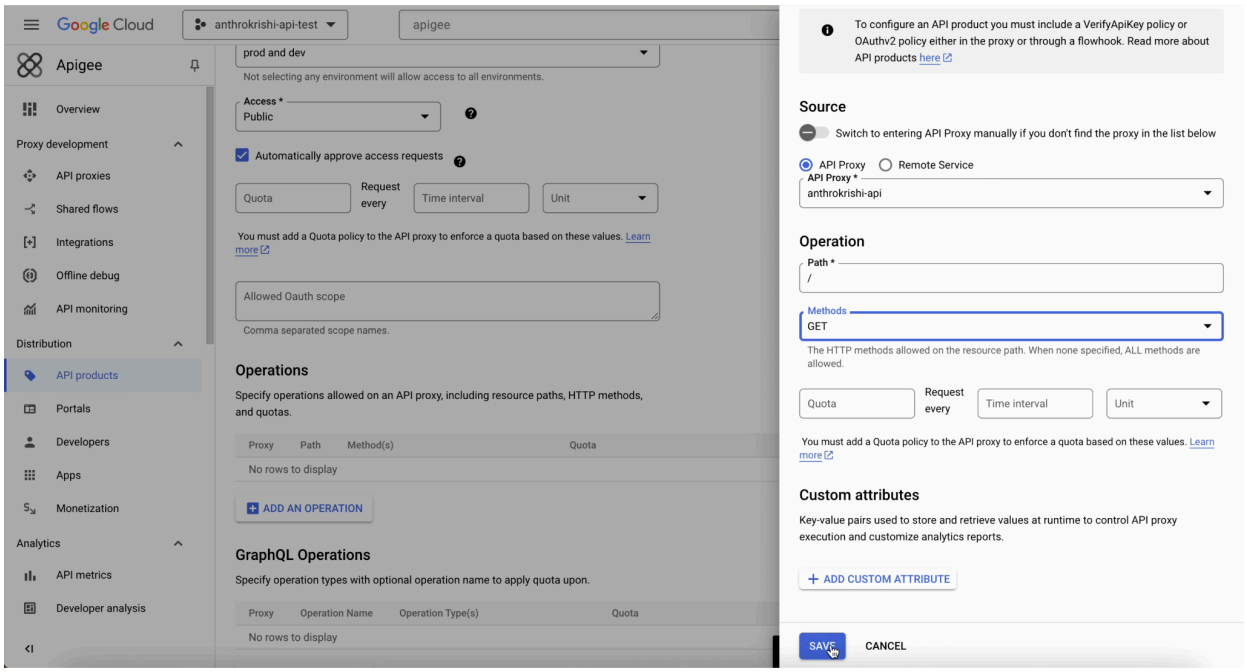
- Set the “Name” to “anthrokrishi-api”
- Set the “Display Name to “anthrokrishi-api”
- In the “Environment” section, select “prod” and “dev”



Configure the product details.

4.3.2. Add an operations

- Click **ADD AN OPERATION**
- Select an “API Proxy” and choose an “anthrokrishi-api”
- Set the “Path” to “/”
- In the “Methods” section, select “GET”.
- Click **Save**



An operation setting.

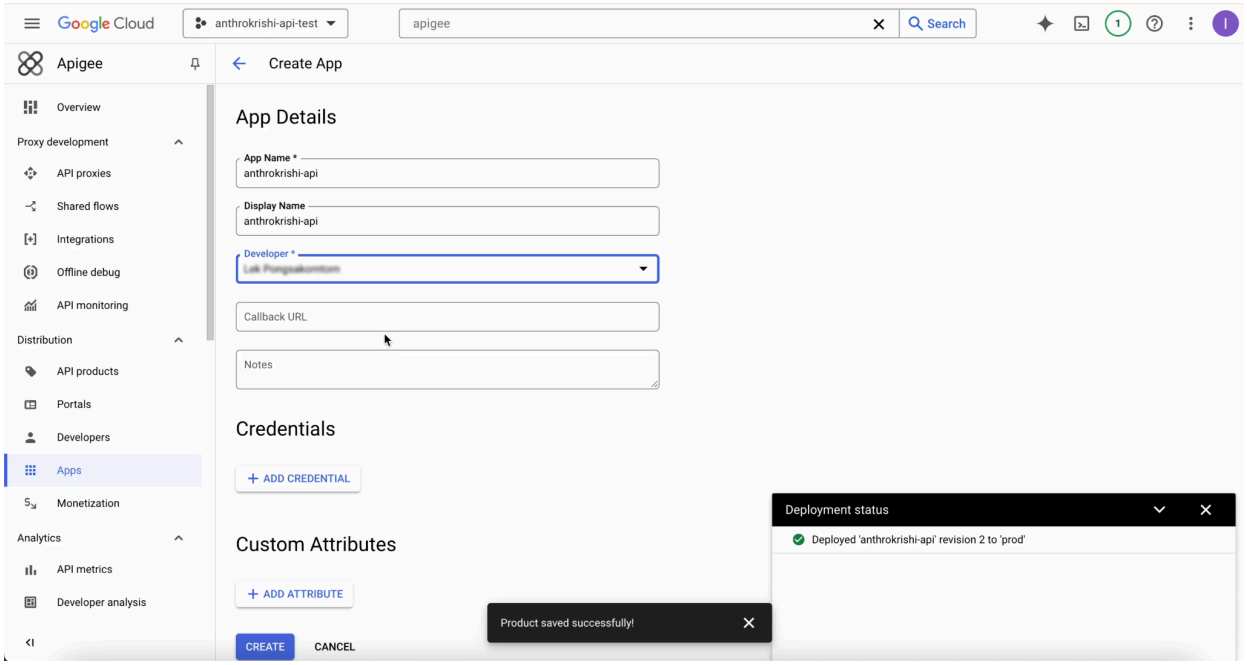
4.4. Generate an API Key

4.4.1. Navigate to the **Apps** in the left-navigation menu and click.

- Click **Create.**

4.4.2. Configure the App details.

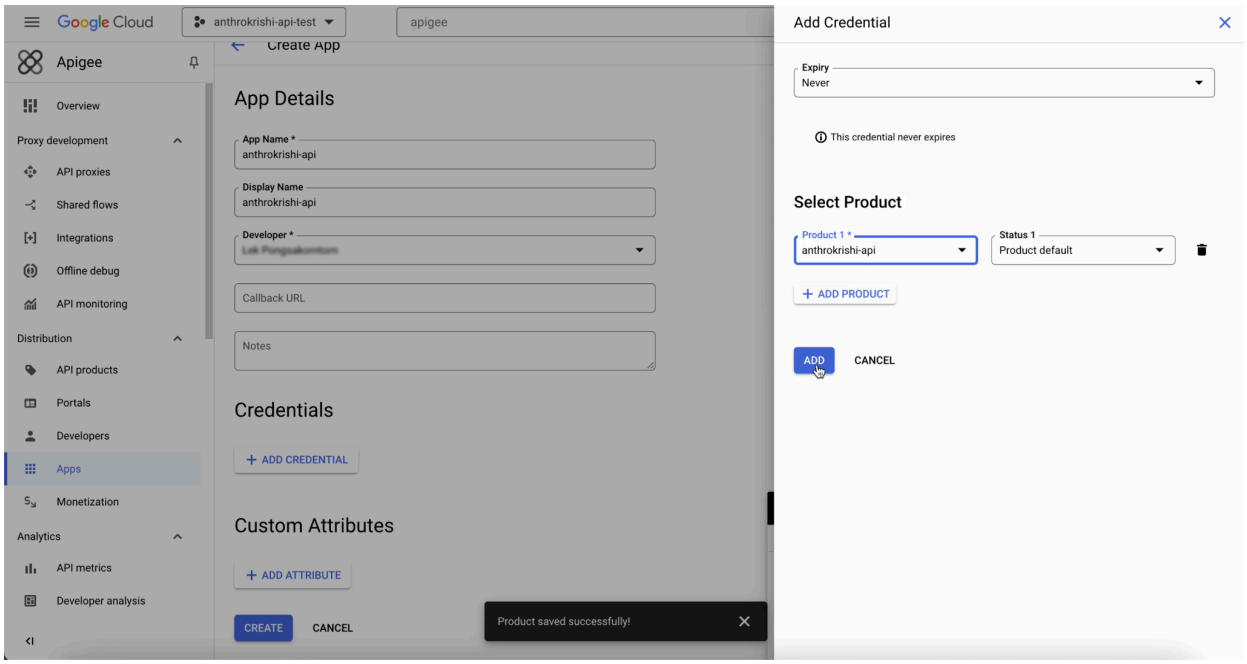
- Set the “App Name” to “anthrokrishi-api”.
- Set the “Display Name“ to “anthrokrishi-api”.
- Select the “Developer”.



Configure app details

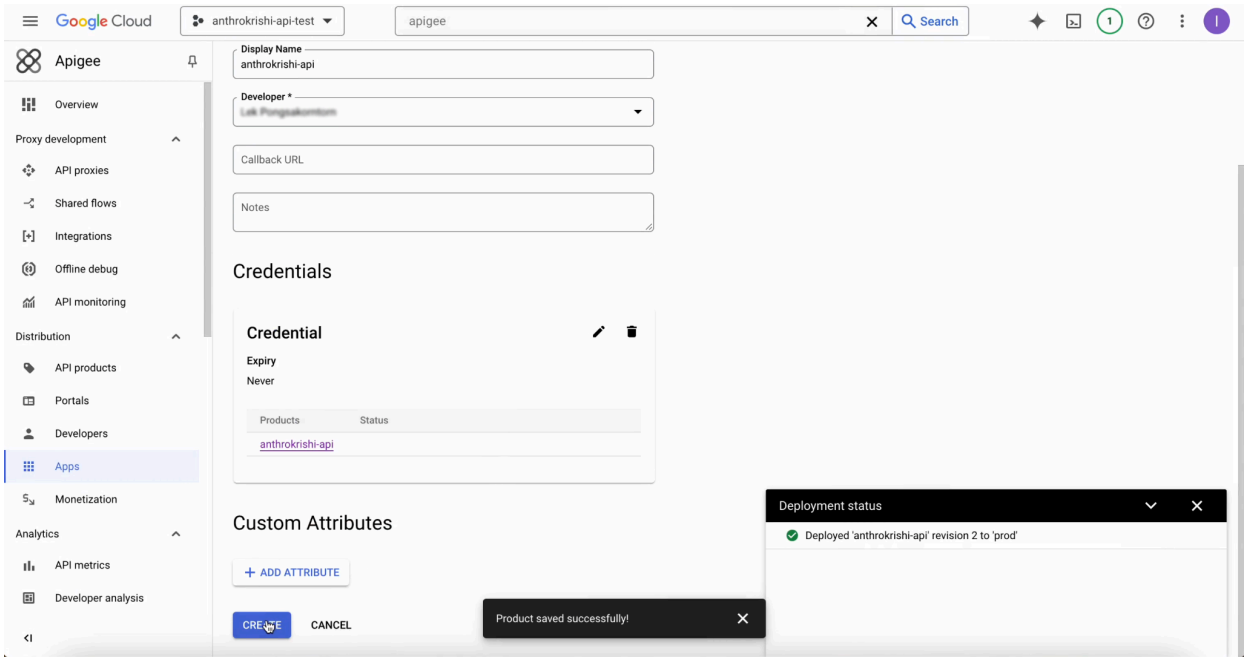
4.4.3. Add Credential (API Key)

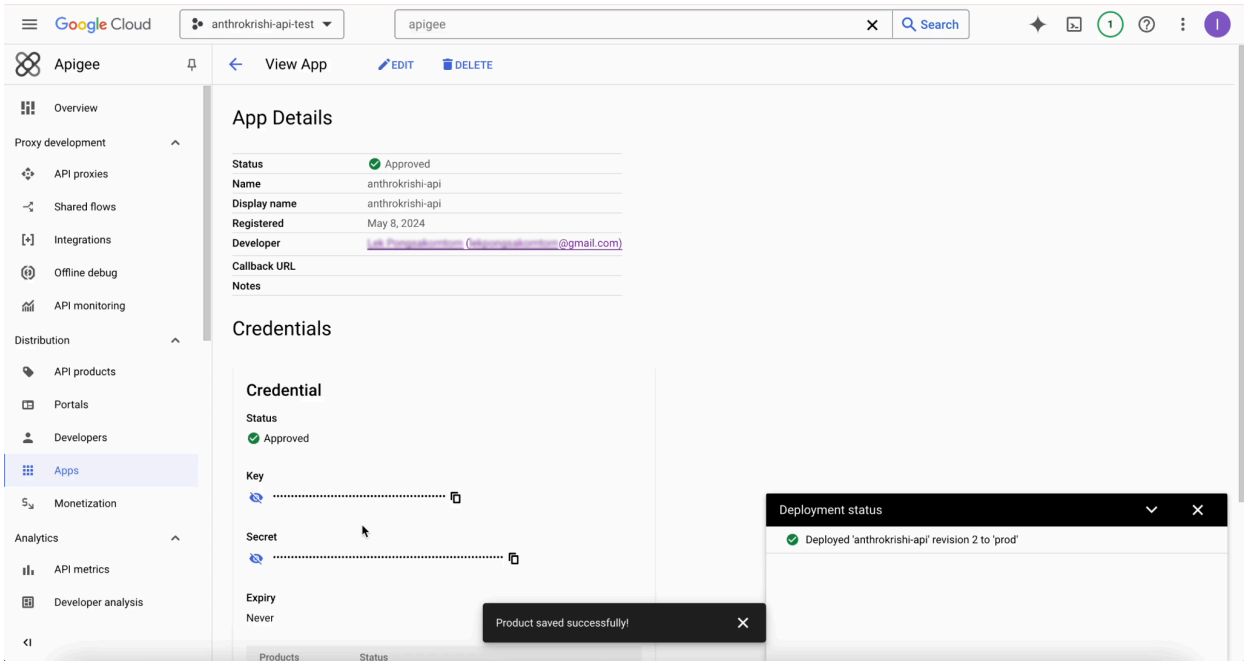
- Click **Add Credentials.**
- Set the “Expiry” to “Never”.
- In the “Select Product” section.
  - Click “Product 1” and choose “anthrokrishi-api” from the dropdown.
  - Click “Status 1” and choose “Product default” from the dropdown.
- Click **Add**.



The Panel to add credential

- Click **Create**

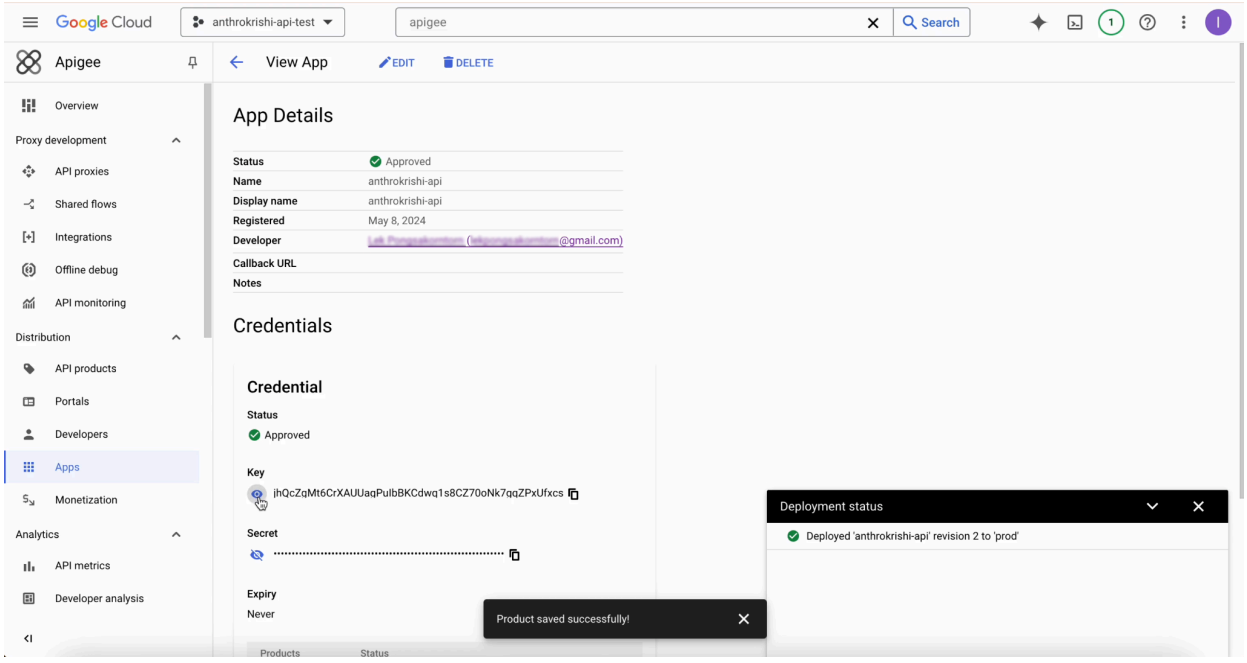




App and credential was created

4.4.4. Get an API Key

- In the **Credentials** section click the **Eye Icon** below the **Key** to get an API Key



An API key within the app e.g.

jhQcZqMt6CrXAUUaqPulbBKCdwq1s8CZ70oNk7qqZPxUfxcs