

# Getting Started with Google Cloud Platform

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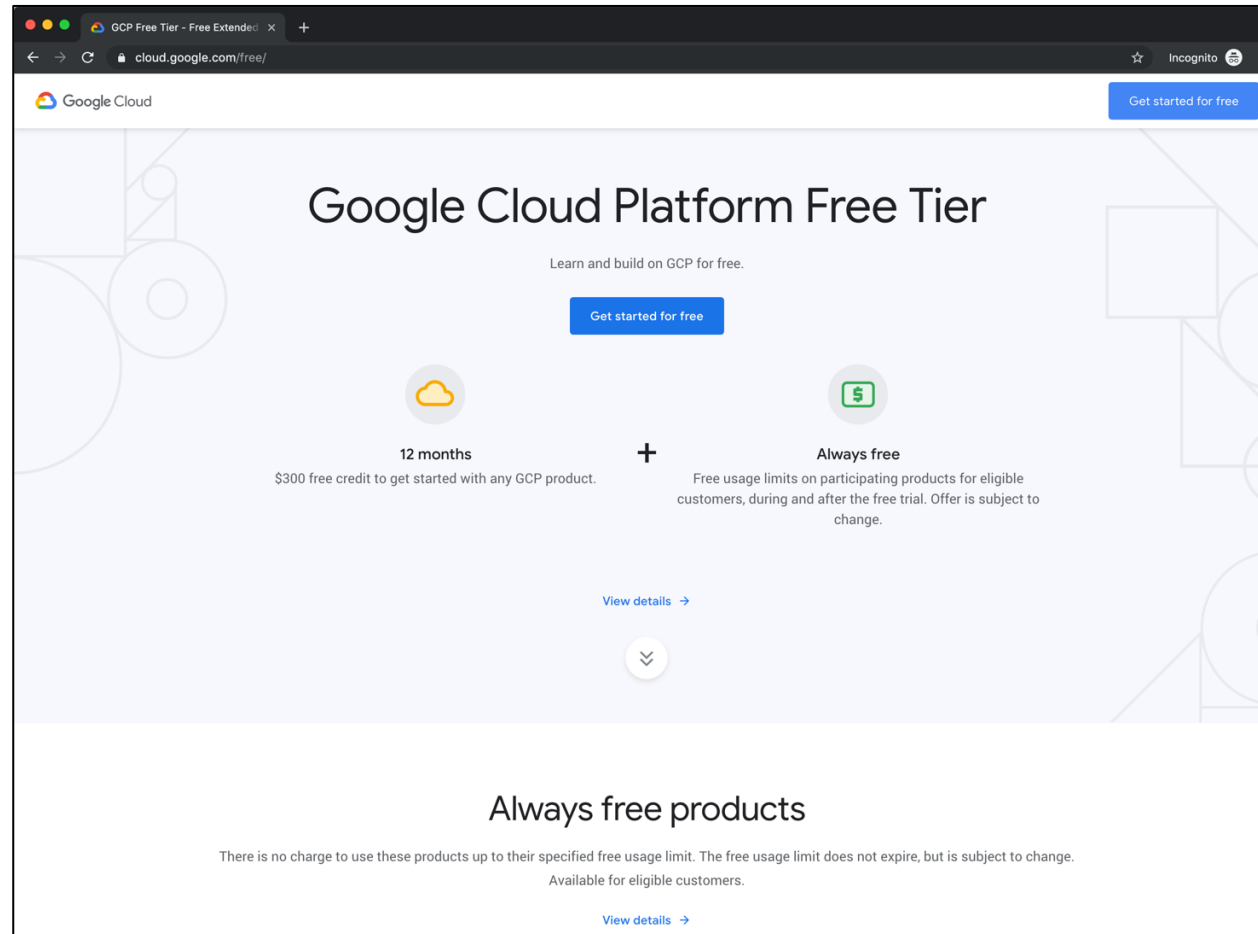
# Learning Objectives

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- Signing up with GCP
- Resource hierarchy
- Interacting with GCP Resources

# Signing up with Google Cloud Platform

# GCP Free Tier



 **Resource link:** <https://cloud.google.com/free>

# Signing up with GCP

Free Trial – Google Cloud Platf

console.cloud.google.com/freetrial/signup/tos?\_ga=2.22729467.-1119269977.1565523323&login=true

Incognito (2)

Other Bookmarks

Try Google Cloud Platform for free

Step 1 of 2

Country

India

Terms of Service

☐ I have read and agree to the [Google Cloud Platform Free Trial Terms of Service.](#)

Required to continue

AGREE AND CONTINUE

Privacy policy | FAQs

**Access to all Cloud Platform Products**

Get everything you need to build and run your apps, websites and services, including Firebase and the Google Maps API.

**\$300 credit for free**

Sign up and get \$300 to spend on Google Cloud Platform over the next 12 months.

**No autocharge after free trial ends**

We ask you for your credit card to make sure you are not a robot. You won't be charged unless you manually upgrade to a paid account.

# Signing up with GCP

Free Trial - Google Cloud Plat

console.cloud.google.com/freetrial/signup/billing/IN?\_ga=2.22729467.-1119269977.1565523323&login=true

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Step 2 of 2

Customer info

Account type ⓘ ✎  
Business

Tax information ✎  
Tax status: Business

Name and address ⓘ

Business name

Name  
Janakiram MSV

Address line 1

Address line 2

City

Postal code ⓘ

State

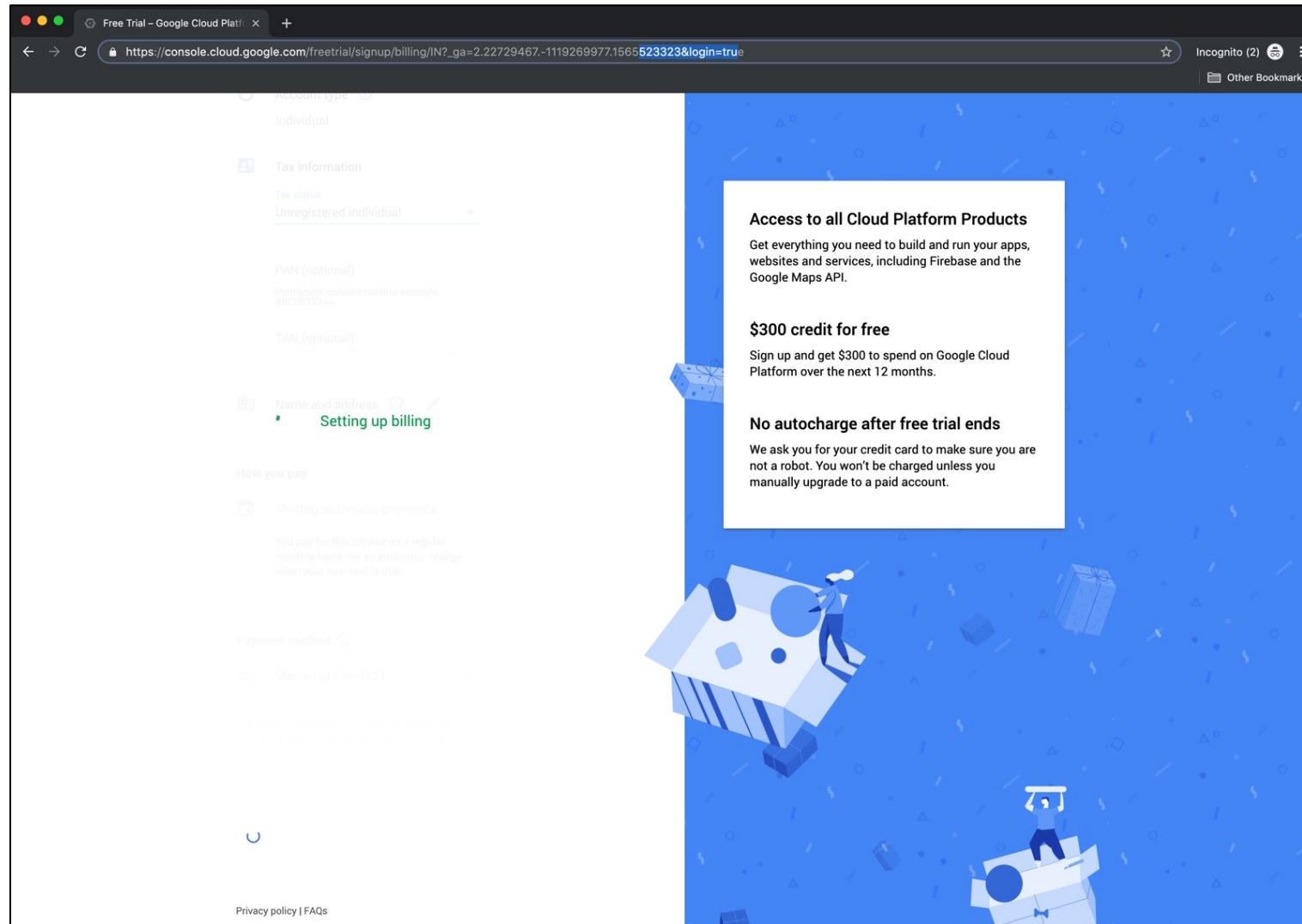
Primary contact ⓘ ✎

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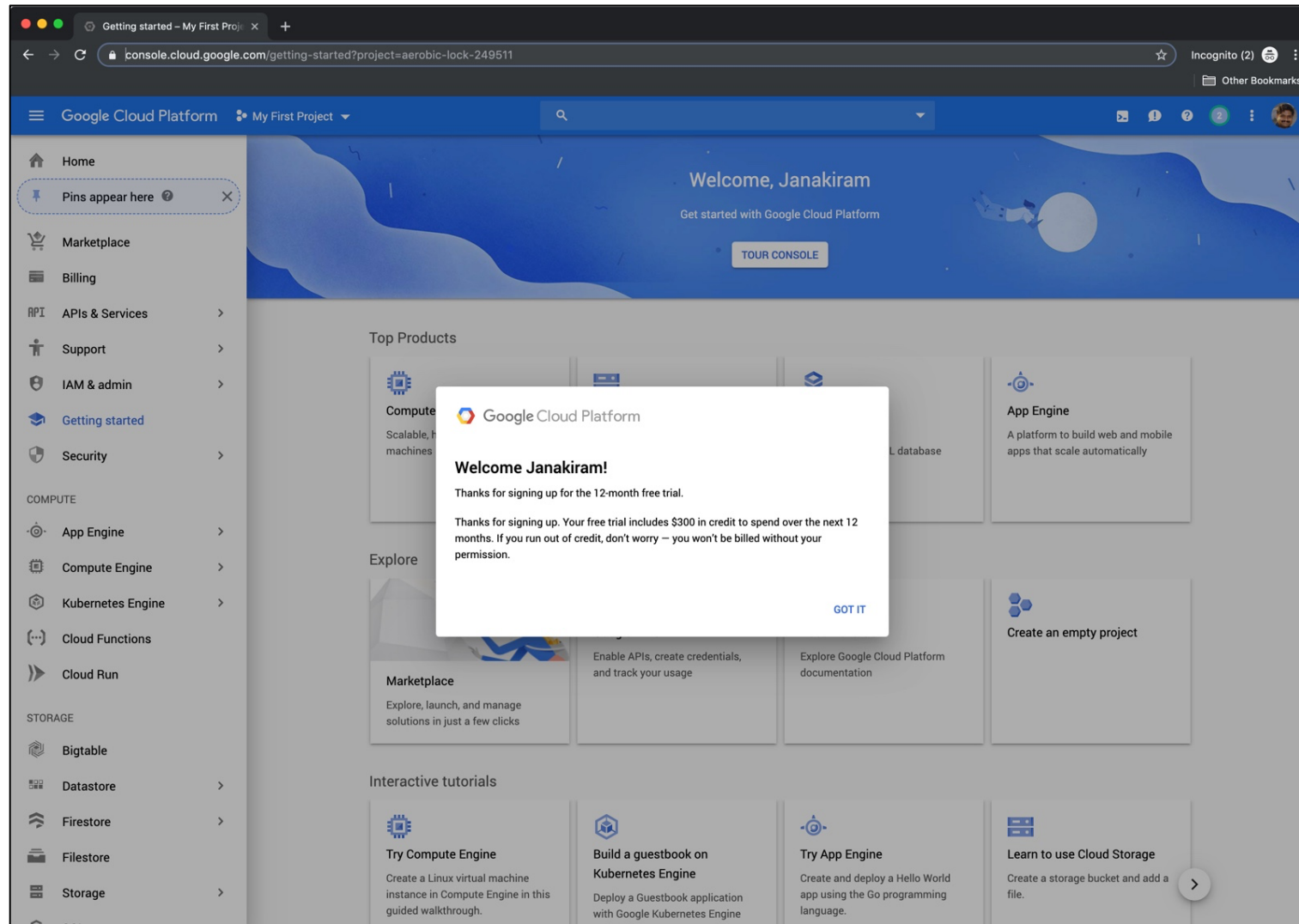
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# Signing up with GCP



# Signing up with GCP





# Understanding Google Cloud Platform Resources

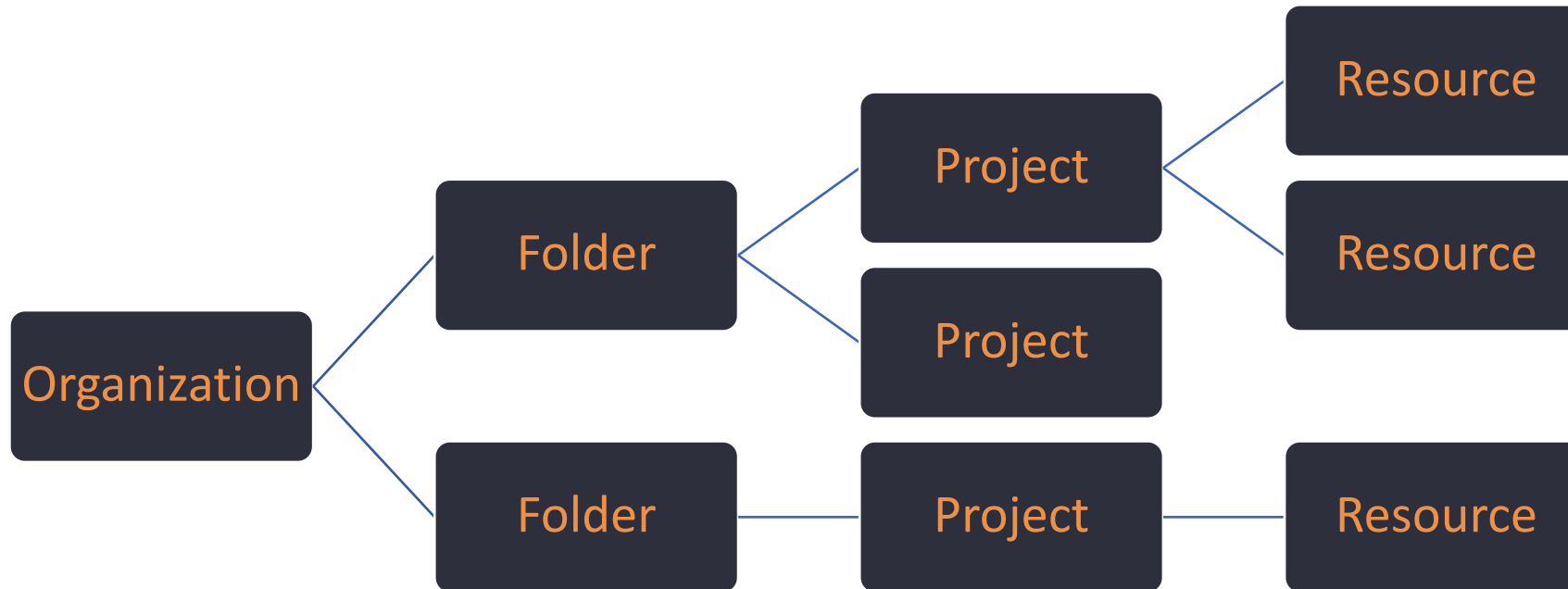
# Understanding GCP Resources

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- **Resources are the fundamental components of GCP**
  - GCE VMs
  - GAE instances
  - Cloud Pub/Sub topics
  - Cloud Storage buckets
  - ....
- **Resources belong to a project**
- **Projects may be organized into a folders**
- **Project represents a billable unit**
- **Folders provide logical grouping of projects**
- **Folders belong to one and only one organization**
- **An organization is the top level entity in GCP hierarchy**

# Understanding GCP Resources

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# Understanding GCP Resources

Google Cloud Platform

←

Manage resources

CREATE PROJECT

CREATE FOLDER

MOVE

DELETE

JANAKIRAM.COM

Filter tree

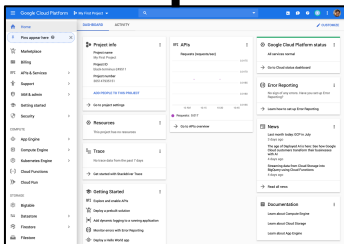
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<div></div>	<div><div></div>Production</div>	731472846684						<div></div>
<div></div>	<div><div></div>Test</div>	971811353053						<div></div>

# Interacting with Google Cloud Platform

# Interacting with GCP



Google Cloud



Web Console

```
1 gcloud compute regions list
NAME
TURNDOWN_DATE  CPU%  DISKS_GB  ADDRESSES  RESERVED_ADDRESSES  STATUS
asia-east1     0/72  0/40960  0/69       0/21                UP
asia-east2     0/24  0/40960  0/8        0/8                 UP
asia-northeast1 0/72  0/40960  0/9        0/21                UP
asia-northeast2 0/24  0/40960  0/8        0/8                 UP
asia-south1    0/24  0/40960  0/8        0/8                 UP
asia-southeast1 0/72  0/40960  0/69       0/21                UP
australia-southeast1 0/24  0/40960  0/8        0/8                 UP
europe-north1  0/24  0/40960  0/8        0/8                 UP
europe-west1   0/72  0/40960  0/69       0/21                UP
europe-west2   0/24  0/40960  0/8        0/8                 UP
europe-west3   0/24  0/40960  0/8        0/8                 UP
europe-west4   0/72  0/40960  0/69       0/21                UP
europe-west6   0/24  0/40960  0/8        0/8                 UP
northamerica-northeast1 0/24  0/40960  0/8        0/8                 UP
southamerica-east1 0/24  0/40960  0/8        0/8                 UP
us-central1    0/72  0/40960  0/9        0/21                UP
us-east1       0/72  0/40960  0/69       0/21                UP
us-east4       0/72  0/40960  0/69       0/21                UP
us-west1       0/72  0/40960  0/69       0/21                UP
us-west2       0/24  0/40960  0/8        0/8                 UP
```

Cloud Shell  
Cloud SDK



Mobile App



REST API

# Accessing GCP Shell

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- An interactive shell environment for GCP
- Accessible from any web browser
- Comes preloaded with an IDE, `gcloud` SDK and other tools
- Based on a GCE VM
- Provides 5GB of persistence disk storage
- In-built web preview functionality

# Google Cloud Platform Fundamentals

## Lab Guide for Google Cloud Shell

# Run the below commands in Cloud Shell

```
gcloud compute region list
```



# Summary

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- GCP offers a \$300 credit along with a free tier
- Organization, folders, projects, resources are a part of GCP hierarchy
- GCP is accessed through console, Cloud Shell, SDK, and a mobile app
- GCP Cloud Shell is a powerful environment available within the browser