



# Curtin University

## Assignment 1

Maleeha Lasith Weerasekara - 21728558

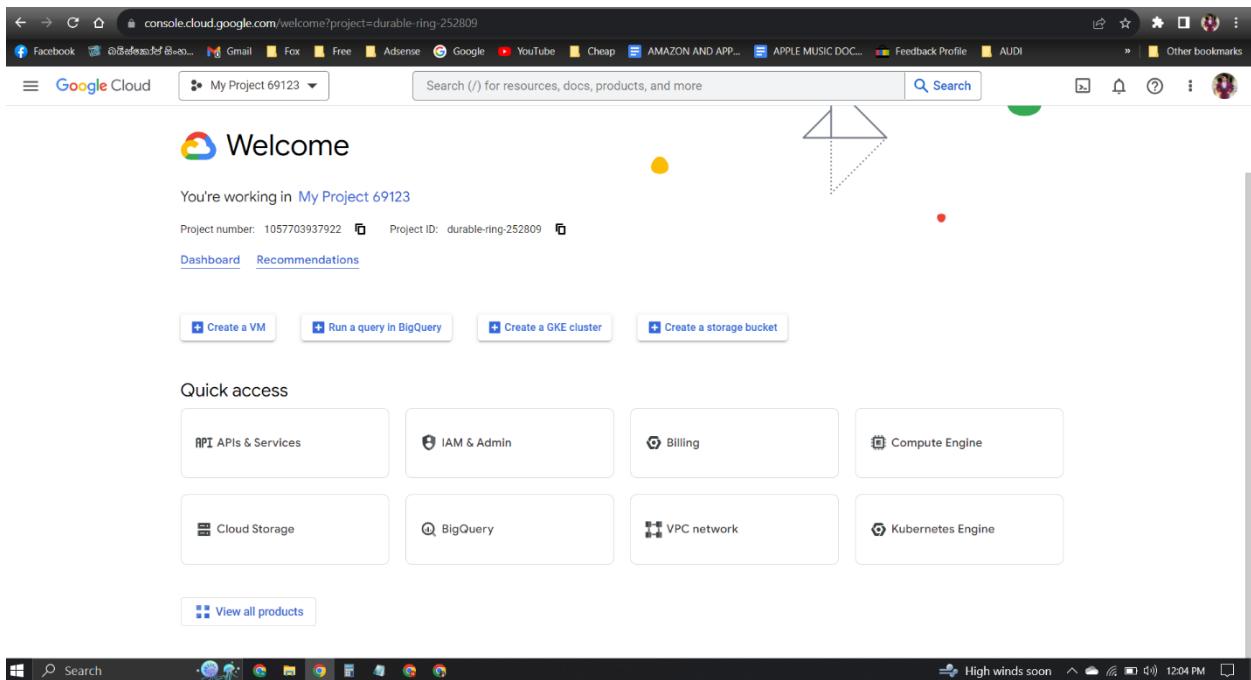
**Faculty of Science and Engineering, Curtin University**

Due Date: 09/09/2023

**Building and Securing a Microservices E-commerce  
Application**

## Task 1: Set Up Initial Infrastructure

1. Create a Kubernetes Cluster on GKE (or equivalent tool)
  - a. Log in to your Google Cloud Console.
  - b. Navigate to the Kubernetes Engine section and click "Create Cluster."
  - c. Configure your cluster settings, such as the cluster name, location, and node pool configuration.
  - d. Choose the desired Kubernetes version.
  - e. Click "Create" to provision your GKE cluster.



console.cloud.google.com/marketplace/product/google/container.googleapis.com?returnUrl=%2Fkubernetes%2Flist%3Fproject%3Ddurable-ring-252809&project=durable-ring-252809...

Google Cloud My Project 69123

Product details

## Kubernetes Engine API

Google Enterprise API

Builds and manages container-based applications, powered by the open source Kubernetes technology.

TRY THIS API

OVERVIEW DOCUMENTATION RELATED PRODUCTS

No active billing accounts

You cannot enable billing for this project because all your billing accounts are closed. Please visit the billing section to correct your account state, then try again to enable billing.

CANCEL MANAGE BILLING ACCOUNTS

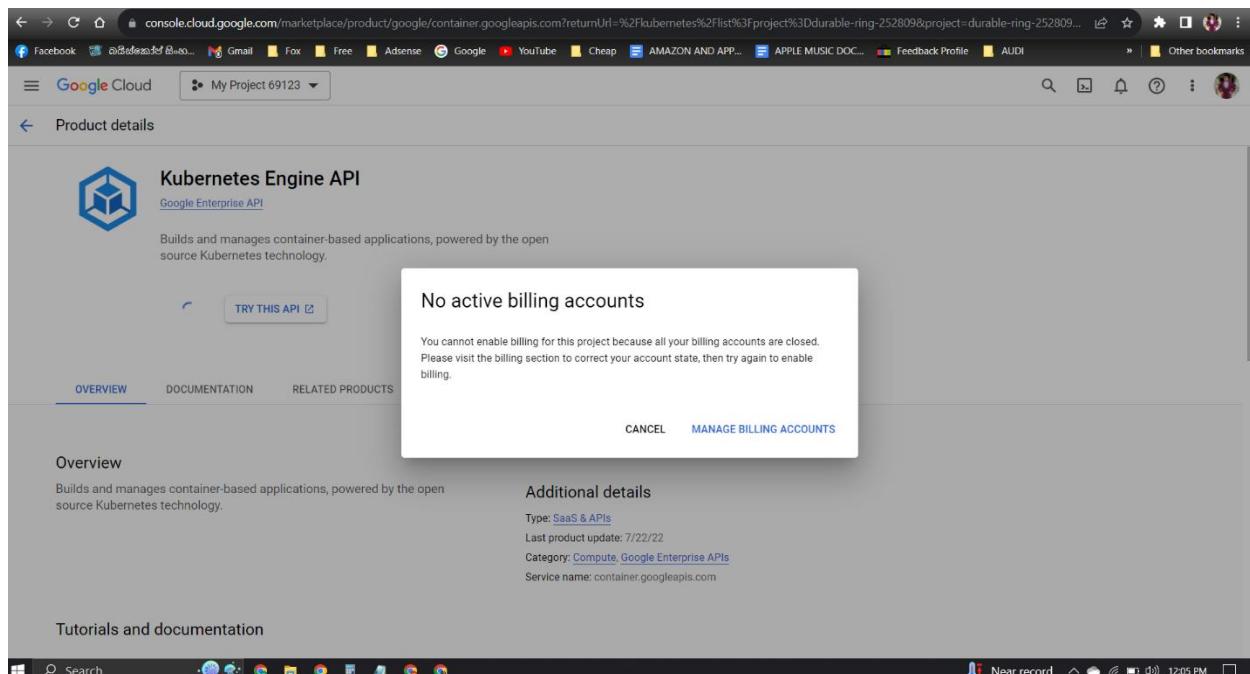
Overview

Builds and manages container-based applications, powered by the open source Kubernetes technology.

Additional details

Type: SaaS & APIs Last product update: 7/22/22 Category: Compute, Google Enterprise APIs Service name: container.googleapis.com

Tutorials and documentation



console.cloud.google.com/billing/01DA19-C57893-73687D

Google Cloud

Search (/) for resources, docs, products, and more

Navigation menu

Billing account Maleesha

Overview

BILLING ACCOUNT OVERVIEW PAYMENT OVERVIEW

Current month September 1 – 9, 2023

Month-to-date total cost **A\$0.00**

End-of-month total cost (forecasted) **A\$0.00**

Not enough historical data to project cost

→ View report

Keep track of your spend

Avoid surprises on your Google Cloud bill by creating budgets for your projects. Your billing administrators and users can be notified about how your spend tracks against your budget.

Why set up a budget alert?

SET UP A BUDGET ALERT

Billing account **Maleesha** Manage

Organization No organization

Billing health checks

Check out your account health results to avoid common billing-related issues and adopt our best practice recommendations.

View your billing reports and cost trends

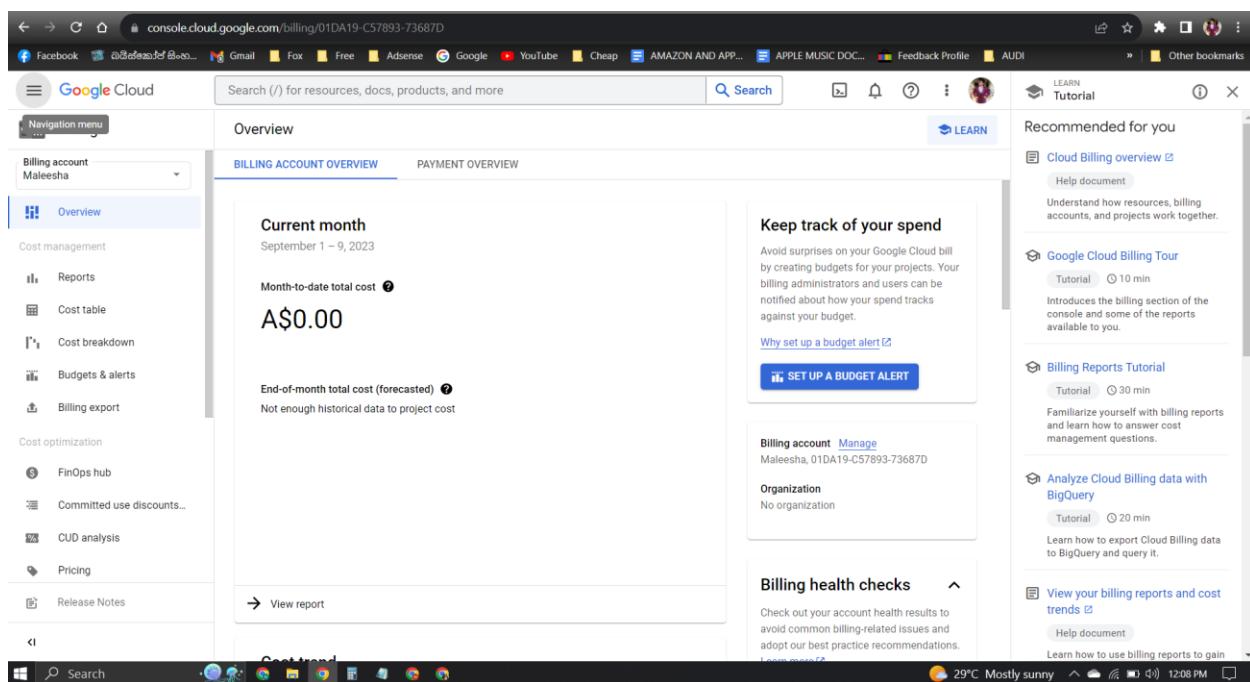
Cloud Billing overview Help document Understand how resources, billing accounts, and projects work together.

Google Cloud Billing Tour Tutorial 10 min Introduces the billing section of the console and some of the reports available to you.

Billing Reports Tutorial Tutorial 30 min Familiarize yourself with billing reports and learn how to answer cost management questions.

Analyze Cloud Billing data with BigQuery Tutorial 20 min Learn how to export Cloud Billing data to BigQuery and query it.

29°C Mostly sunny 12:08 PM



console.cloud.google.com/kubernetes/auto/add?project=durable-ring-252809

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Google Cloud My Project 69123 Search (/) for resources, docs, products, and more

Create an Autopilot cluster

Cluster basics

1 Cluster basics Set up basics for your cluster

2 Networking Define applications communication in the cluster

3 Advanced settings Review additional options

4 Review and create Review all settings and create your cluster

Cluster basics

Create an Autopilot cluster by specifying a name and region. After the cluster is created, you can deploy your workload through Kubernetes and we'll take care of the rest, including:

- Nodes: Automated node provisioning, scaling, and maintenance
- Networking: VPC-native traffic routing for public or private clusters
- Security: Shielded GKE Nodes and Workload Identity
- Telemetry: Cloud Operations logging and monitoring

Name assignment

Region australia-southeast1

Cluster names must start with a lowercase letter followed by up to 39 lowercase letters, numbers, or hyphens. They can't end with a hyphen. You cannot change the cluster's name once it's created.

Region australia-southeast1

The regional location in which your cluster's control plane and nodes are located. You cannot change the cluster's region once it's created.

NEXT: NETWORKING

RESET SETTINGS

CREATE CANCEL Equivalent REST or COMMAND LINE

LEARN Tutorial Get started with GKE

GKE overview Help document Deploy, manage, and scale your containerized applications using the GKE environment.

Create and explore a cluster

Create a cluster and deploy a workload

Explore the cluster and workload

Example workflows

Configure a cluster and workload for staging

Update and deploy from an IDE

console.cloud.google.com/kubernetes/auto/add?project=durable-ring-252809

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Google Cloud My Project 69123 Search (/) for resources, docs, products, and more

Create an Autopilot cluster

Cluster basics

Networking

2 Networking Define applications communication in the cluster

3 Advanced settings Review additional options

4 Review and create Review all settings and create your cluster

Starting from September 2023, all GKE Autopilot clusters (minimum version to be determined in August 2023) will migrate to Cloud DNS as the default DNS provider (in replacement of kube-dns), at no extra charge.

However, if you plan to deploy or migrate GKE Autopilot clusters to an Assured Workloads folder with an Impact Level 4 (IL4) compliance regime, please reach out to your account manager to get more details about your migration path.

Learn more about Cloud DNS for GKE

DISMIS

Define how applications in this cluster communicate with each other and how clients can reach them.

Network \* default

Node subnet \* default

IPv4 network access

Choose the type of network you want to allow to access your cluster's workloads. Learn more

Public cluster Choose a public cluster to configure access from public networks to the cluster's workloads. Routes aren't created automatically. You cannot change this setting after the cluster is created.

Private cluster Choose a private cluster to assign internal IP addresses to Pods and nodes. This isolates

CREATE CANCEL Equivalent REST or COMMAND LINE

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console.cloud.google.com/kubernetes/list/overview?project=durable-ring-252809

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My Project 69123 Search ( ) for resources, docs, products, and more Search

Google Cloud Kubernetes Engine Kubernetes clusters CREATE DEPLOY REFRESH OPERATIONS HELP ASSISTANT Settings and utilities

Clusters Workloads Services & Ingress Applications Secrets & ConfigMaps Storage Object Browser Migrate to Containers Backup for GKE Security Posture

Config & Policy Config Policy

Marketplace Release Notes

OVERVIEW OBSERVABILITY COST OPTIMIZATION

Filter Enter property name or value

| Status | Name       | Location             | Mode      | Number of nodes | Total vCPUs | Total memory | Notifications | Labels |
|--------|------------|----------------------|-----------|-----------------|-------------|--------------|---------------|--------|
| Green  | assignment | australia-southeast1 | Autopilot | 0               | 0 GB        | —            | —             | —      |

Get started with GKE

GKE overview Help document Deploy, manage, and scale your containerized applications using the GKE environment.

Create and explore a cluster

Create a cluster and deploy a workload Tutorial ( 15 min Deploy a Kubernetes cluster, deploy a sample web app (workload), and view the running web app in your browser.

Explore the cluster and workload Tutorial ( 5 min Take a tour through notable components and configurations of the resources you created.

Example workflows

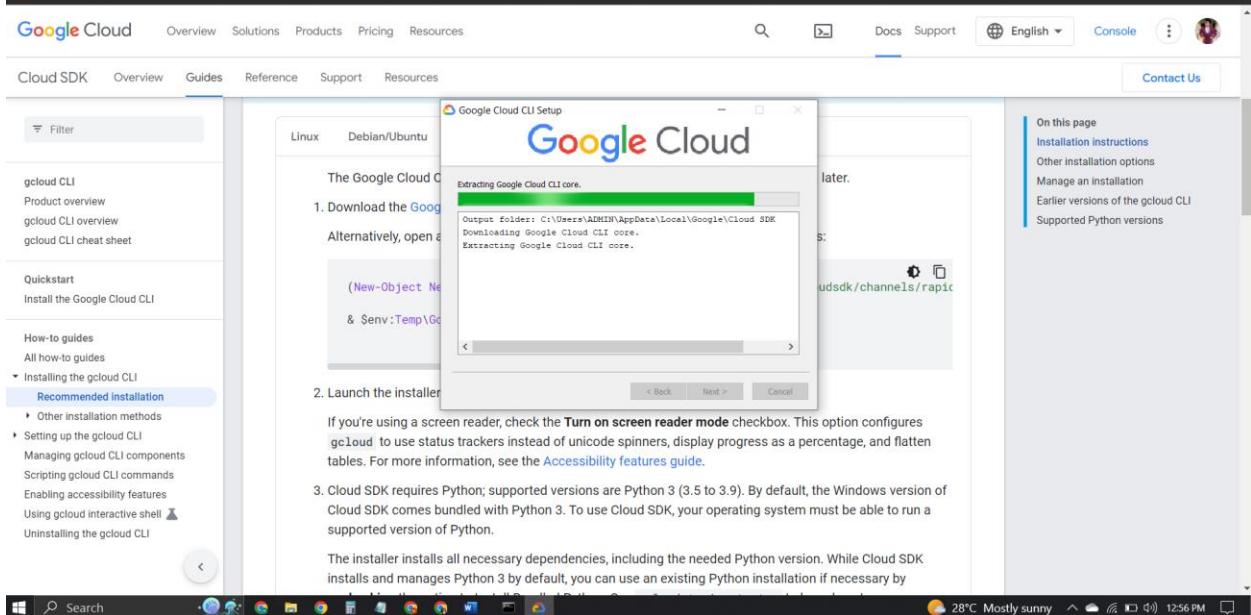
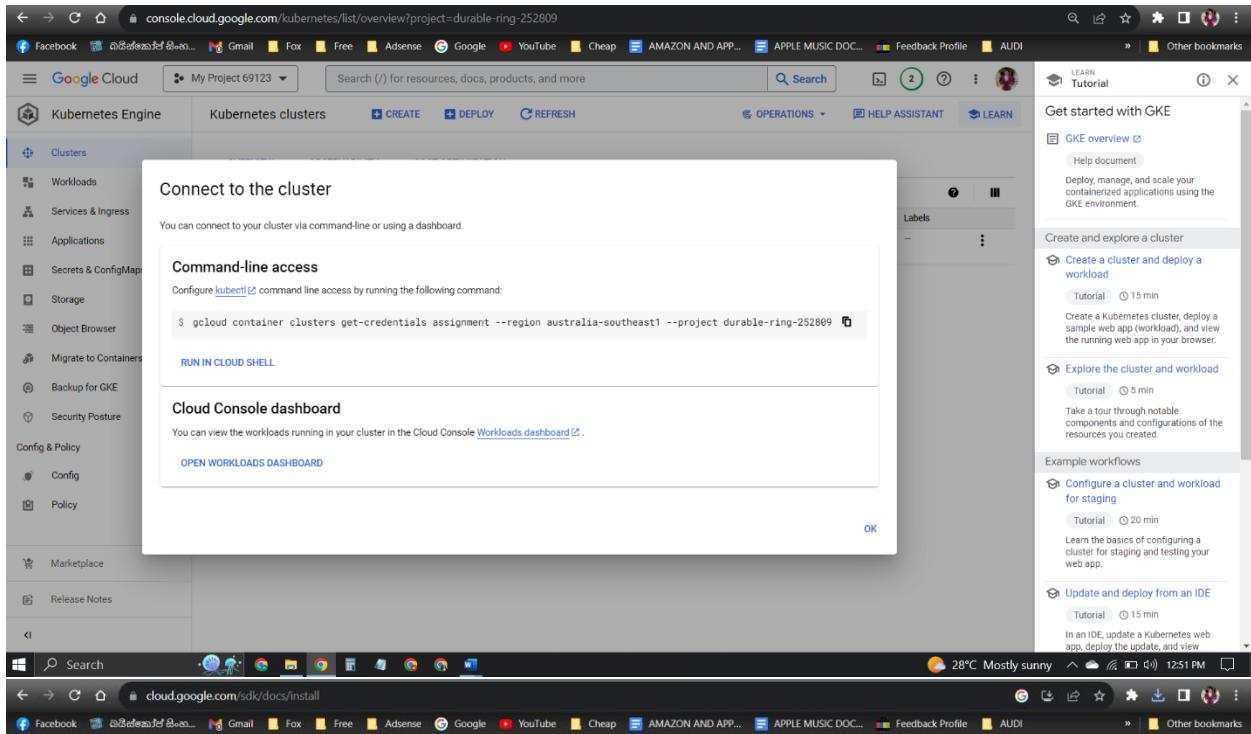
Configure a cluster and workload for staging Tutorial ( 20 min Learn the basics of configuring a cluster for staging and testing your web app.

Update and deploy from an IDE Tutorial ( 15 min In an IDE, update a Kubernetes web app, deploy the update, and view the results.

29°C Mostly sunny 12:28 PM

## 2. Install and configure kubectl to manage your Kubernetes cluster.

- After creating the GKE cluster, you will need to configure your local environment to use kubectl to interact with this cluster.
- In the Google Cloud Console, navigate to the "Kubernetes Engine" > "Clusters" section and click the "Connect" button next to your cluster.
- Follow the instructions to authenticate kubectl with your GKE cluster.



## Connect to the cluster

You can connect to your cluster via command-line or using a dashboard.

### Command-line access

Configure [kubectl](#) command line access by running the following command:

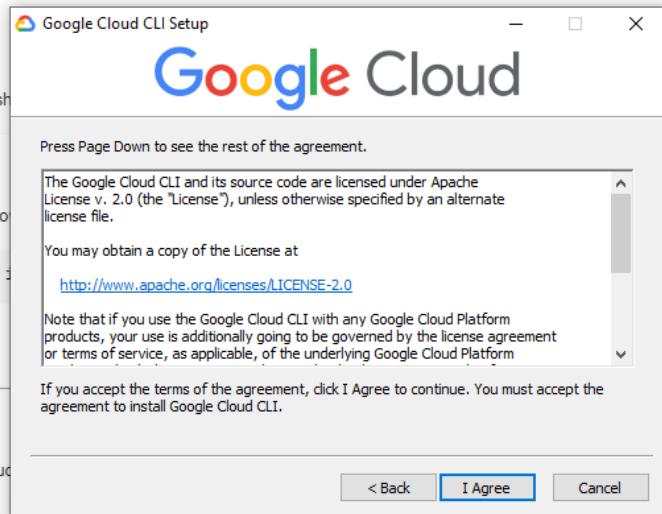
```
$ gcloud container clusters get-credentials <CLUSTER_NAME>
```

[RUN IN CLOUD SHELL](#)

### Cloud Console dashboard

You can view the workloads running in your cluster in the Cloud Console.

[OPEN WORKLOADS DASHBOARD](#)



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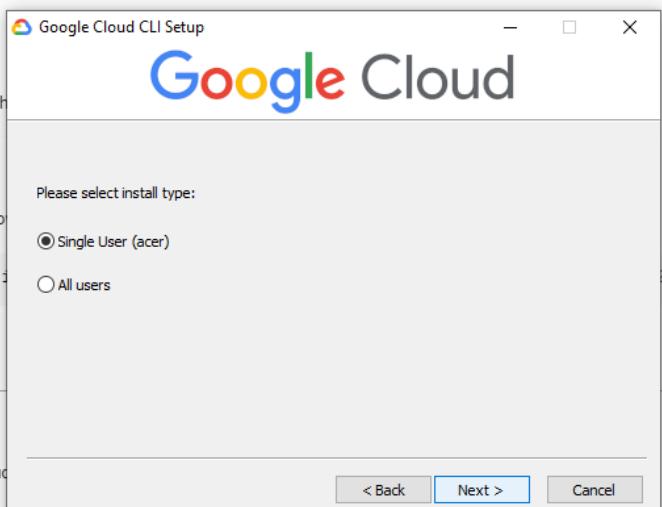
```
$ gcloud container clusters get-credentials <CLUSTER_NAME>
```

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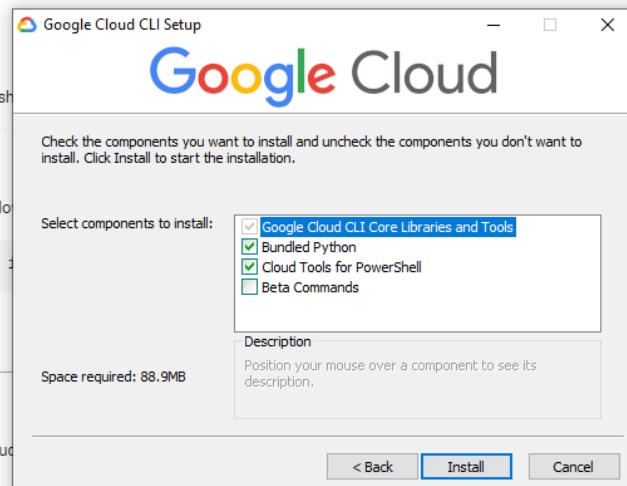
```
$ gcloud container clusters get-credentials [CLUSTER_NAME]
```

[RUN IN CLOUD SHELL](#)

### Cloud Console dashboard

You can view the workloads running in your cluster in the Cloud Console.

[OPEN WORKLOADS DASHBOARD](#)



OK

A screenshot of a web browser displaying the "Google Cloud" documentation for the "Cloud SDK" under the "Guides" tab. The left sidebar shows sections like "gcloud CLI", "Quickstart", "How-to guides", and "Installing the gcloud CLI". The main content area shows the "The Google Cloud CLI" guide, specifically the "Installing the gcloud CLI" section. It includes steps for "Download the Google Cloud CLI" (via a link to a GitHub repository) and "Launch the installer". A modal window titled "Google Cloud CLI Setup" is overlaid, showing the "Extracting Google Cloud CLI core" progress bar. The status bar at the bottom right shows "28°C Mostly sunny 12:56 PM".

cloud.google.com/sdk/auth\_success

Google Cloud Overview Solutions Products Pricing Resources Docs Support English Console

C:\Windows\SYSTEM32\cmd.exe - gcloud init

```
Welcome to the Google Cloud CLI! Run "gcloud -h" to get the list of available commands.

Welcome! This command will take you through the configuration of gcloud.

Your current configuration has been set to: [default]

You can skip diagnostics next time by using the following flag:
  gcloud init --skip-diagnostics

Network diagnostic detects and fixes local network connection issues.
  Checking network connection...done.
  Reachability check passed.
  Network diagnostic passed (1/1 checks passed).

You must log in to continue. Would you like to log in (Y/n)? Y

Your browser has been opened to visit:
```

[https://accounts.google.com/o/oauth2/auth?response\\_type=code&client\\_id=32555940559.apps.googleusercontent.com&redirect\\_uri=http%3A%2F%2Flocalhost%3A8085%2F&scopeopenid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauthState=1677W6s4dXymlNvZA3V52MKcEa&access\\_type=ooffline&code\\_challenge\\_method=s256](https://accounts.google.com/o/oauth2/auth?response_type=code&client_id=32555940559.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A8085%2F&scopeopenid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauthState=1677W6s4dXymlNvZA3V52MKcEa&access_type=ooffline&code_challenge_method=s256)

You are logged in as: [maleshalasith@gmail.com].

Pick cloud project to use:
 [1] aqueous-alleron-236812
 [2] drone-based-med-1518713997501

## Tutorials

Here are some links to help you get started with Google Cloud services:

console.cloud.google.com/kubernetes/list/overview?project=durable-ring-252809

Google Cloud My Project 69123 Search

Kubernetes Engine Clusters CREATE DEPLOY REFRESH OPERATIONS HELP ASSISTANT LEARN

Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>gcloud container clusters get-credentials assignment --region australia-southeast1 --project durable-ring-252809
WARNING: Accessing a Kubernetes Engine cluster requires the kubernetes commandline client [kubectl]. To install, run
$ gcloud components install kubectl

Configuring cluster endpoint and auth data.
[CRITICAL]: ACTION REQUIRED: gke-gcloud-auth-plugin, which is needed for continued use of kubectl, was not found or is not executable. Install gke-gcloud-auth-plugin for use with kubectl by following https://cloud.google.com/blog/products/container-kubernetes/kubectl-auth-changes-in-gke
$ kubeconfig entry generated for assignment.

C:\Windows\system32>gcloud components install kubectl
ERROR: (gcloud.components.install) The following components are unknown [kubectl].
C:\Windows\system32>
```

Clusters Workloads Services & Ingress Applications Secrets & ConfigMap Storage Object Browser Migrate to Containers Backup for GKE Security Posture Config & Policy Marketplace Release Notes

Get started with GKE

- GKE overview Help document Deploy, manage, and scale your containerized applications using the GKE environment.
- Create and explore a cluster
  - Create a cluster and deploy a workload Tutorial (15 min) Create a Kubernetes cluster, deploy a sample web app (workload), and view the running web app in your browser.
- Explore the cluster and workload
  - Tutorial (5 min) Take a tour through notable components and configurations of the resources you created.
- Example workflows
  - Configure a cluster and workload for staging Tutorial (20 min) Learn the basics of configuring a cluster for staging and testing your web app.
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  - Tutorial (15 min) In an IDE, update a Kubernetes web app, deploy the update, and view

console.cloud.google.com/kubernetes/clusters/details/australia-southeast1/assignment/details?project=durable-ring-252809

Administrator: Command Prompt

```

Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>gcloud container clusters get-credentials assignment --region australia-southeast1 --project durable-ring-252809
WARNING: Accessing a Kubernetes Engine cluster requires the kubernetes commandline client [kubectl]. To install, run:
$ gcloud components install kubectl

Fetching cluster endpoint and auth data.
CRITICAL: ACTION REQUIRED: gke-gcloud-auth-plugin, which is needed for continued use of kubectl, was not found or is not executable.
e. Install gke-gcloud-auth-plugin for use with kubectl by following https://cloud.google.com/blog/products/containers-kubernetes/gke-gcloud-auth-changes-in-gke
kubeconfig entry generated for assignment.

C:\Windows\system32>gcloud components install kubectl
ERROR: (gcloud.components.install) The following components are unknown [kubectl].
```

RUN IN CLOUD SHELL

```

C:\Windows\system32>gcloud components update
Beginning update. This process may take several minutes.
```

Cloud Console dashboard

All components are up to date.

```

C:\Windows\system32>gcloud components install kubectl
ERROR: (gcloud.components.install) The following components are unknown [kubectl].
```

```

C:\Windows\system32>gcloud components install kubectl

Restarting command:
$ gcloud components install kubectl
```

C:\Windows\system32>

Show cluster certificate  
10.152.0.2  
Show cluster certificate

External endpoint  
Internal endpoint

Automation

Plan storage for clusters  
Help document  
Choose from the Google Cloud

28°C Partly sunny 1:55 PM

console.cloud.google.com/kubernetes/clusters/details/australia-southeast1/assignment/details?project=durable-ring-252809

Administrator: Command Prompt

```

Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>cmd.exe /c "C:\Users\ADMINI\AppData\Local\Temp\tmpmvx2se3\python\python.exe" "-S" "C:\Users\ADMINI\AppData\Local\Goo...
WARNING: client [k]
$ gcloud current Google Cloud CLI version is: 445.0.0
Installing components from version: 445.0.0
Fetching ...
CRITICAL: These components will be installed.
e. Instal
kubectl-uaName: gke-gcloud-auth-plugin
kubeconfigVersion: 0.5.5
size: 8.0 MiB
C:\Windows\system32>kubectl
ERROR: (gName: kubectl
Version: 1.27.5
C:\Windows\system32>Size: 99.2 MiB
Beginning
Name: kubectl
All compoVersion: 1.27.5
Size: < 1 MiB
C:\Windows\system32>Do you want to continue (Y/n)? Y
Restartin
$ gcloud creating update staging area
C:\Windows\system32>30%
35%
40%
10.152.0.2
Show cluster certificate
```

External endpoint  
Internal endpoint

Automation

Plan storage for clusters  
Help document  
Choose from the Google Cloud

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console.cloud.google.com/kubernetes/clusters/details/australia-southeast1/assignment/details?project=durable-ring-252809

Google Cloud My Project 69123 Search (/) for resources, docs, products, and more

Kubernetes Engine Clusters EDIT

**Connect to the cluster**

You can connect to your cluster via command-line or using the Cloud Console dashboard.

**Command-line access**

Configure `kubectl` command line access by running:

```
$ gcloud container clusters get-credentials
```

**RUN IN CLOUD SHELL**

**Cloud Console dashboard**

You can view the workloads running in your cluster in the Cloud Console dashboard.

**OPEN WORKLOADS DASHBOARD**

External endpoint Internal endpoint Show cluster certificate

**Automation**

Administrator: Command Prompt Microsoft Windows [Version 10.0.19045.3324] (c) Microsoft Corporation. All rights reserved.

```
C:\Windows\system32>cmd.exe /C "C:\Users\ADMINI\AppData\Local\Temp\ttmpmxzsv3\python\python.exe" "-S" "C:\Users\ADMINI\AppData\Local\Go...  
WARNING: 45%  
client [k8s7%  
$ gcloud64%  
71%  
Fetching 79%  
CRITICAL: 86%  
e. Instal93%  
kubecli100%  
kubeconfig100%  
100%  
C:\Windows\Installing: kubectl  
ERROR: (g23%  
46%  
C:\Windows100%  
Beginning 100%  
100%  
All compoCreating backup and activating new installation  
50%  
C:\Windows100%  
ERROR: (g100%  
C:\WindowsPerforming post processing steps...done.  
RestartinUpdate done!  
$ gclou...  
Press any key to continue . . .
```

Plan storage for clusters Help document Choose from the Google Cloud

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Administrator: Command Prompt Microsoft Windows [Version 10.0.19045.3324] (c) Microsoft Corporation. All rights reserved.

```
C:\Windows\system32>gcloud container clusters get-credentials assignment --region australia-southeast1 --project durable-ring-252809  
WARNING: Accessing a Kubernetes Engine cluster requires the kubernetes command-line client [kubectl]. To install, run:  
$ gcloud components install kubectl
```

Fetching cluster endpoint and auth data.  
CRITICAL: ACTION REQUIRED: `gke-gcloud-auth-plugin`, which is needed for continued use of `kubectl`, was not found or is not executable. Install `gke-gcloud-auth-plugin` for use with `kubectl` by following <https://cloud.google.com/blog/products/containers-kubernetes/kubectl-auth-changes-in-gke>.

**Command-line**

```
$ gcloud components install kubectl
```

Configure `kubectl`

```
C:\Windows\system32>gcloud components update  
Beginning update. This process may take several minutes.
```

**RUN IN CLOUD SHELL**

```
C:\Windows\system32>gcloud components install kubectl  
ERROR: (gcloud.components.install) The following components are unknown [kubectl].
```

**Cloud Console**

You can view the workloads running in your cluster in the Cloud Console dashboard.

**OPEN WORKLOADS DASHBOARD**

External endpoint Internal endpoint Show cluster certificate

**Automation**

```
C:\Windows\system32>gcloud container clusters get-credentials assignment --region australia-southeast1 --project durable-ring-252809  
Fetching cluster endpoint and auth data.  
kubeconfig entry generated for assignment.
```

```
C:\Windows\system32>kubectl get nodes  
NAME STATUS ROLES AGE VERSION  
gke3-assignment-default-pool-48794671-3s7t Ready <none> 95m v1.27.3-gke.100
```

```
C:\Windows\system32>  
C:\Windows\system32>kubectl get authinfo
```

Plan storage for clusters Help document Choose from the Google Cloud

29°C Partly sunny 2:35 PM

console.cloud.google.com/kubernetes/clusters/details/australia-southeast1/assignment/details?project=durable-ring-252809

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Google Cloud My Project 69123 Search 2 ⓘ X

Kubernetes Engine Clusters

Clusters Workloads Services & Ingress Applications Secrets & ConfigMaps Storage Object Browser Migrate to Containers Backup for GKE Security Posture Config & Policy Config

Connect to the cluster

Administrator: Command Prompt

```
C:\Windows\system32>gcloud components install gke-gcloud-auth-plugin
All components are up to date.

C:\Windows\system32>sudo apt-get install google-cloud-sdk-gke-gcloud-auth-plugin
'sudo' is not recognized as an internal or external command,
operable program or batch file.

C:\Windows\system32>apt-get install google-cloud-sdk-gke-gcloud-auth-plugin
'apt-get' is not recognized as an internal or external command,
operable program or batch file.

$ gcloud container get-credentials
{
  "kind": "ExecCredential",
  "apiVersion": "client.authentication.k8s.io/v1beta1",
  "spec": {
    "interactive": false
  },
  "status": {
    "expirationTimestamp": "2023-09-09T07:23:30Z",
    "token": "ya29.a0Af_bYBd36MeYalsuGf5gFY1bD7Vz3hVvcmsuZrlt3K9Hzjd8S01Nu-f8xFw3DvK2HE1joNmCV5Pd1keElSe0ZcPVlxeTHMgP5sW3K_0iJGidBbAGkoQ1lhxvatL1Z3AiAyQGB0MzurfgEng67mOvxCZ60vL vz5MUE_AucgYKAB4SARISFQG0chNcJ8v7zeFSV2pQj20hmGavQ0177"
  }
}
C:\Windows\system32>kubectl get authinfo
```

RUN IN CLOUD SHELL OPEN WORKLOADS DASH

Cloud Console das You can view the workloads OPEN WORKLOADS DASH

RECOMMENDED FOR YOU

cloud.google.com/sdk/auth\_success

Facebook കെരീബോർഡ് ടൈപ്പ്... Gmail Fox Adsense Google YouTube Cheap AMAZON AND APP... APPLE MUSIC DOC... Feedback Profile AUDI Other bookmark

Google Cloud Overview Solutions Products Pricing Resources Docs Support English Contact Us

Cloud SDK Overview Guides Reference Support Resources

Filter

Cloud SDK > Documentation > Guides

You are now authenticated with the gcloud CLI! Copy

Was this helpful? Upvote Downvote

[Send feedback](#)

The authentication flow has completed successfully. You may close this window, or check out the resources below.

### Information about command-line tools and client libraries

To learn more about Google Cloud CLI commands, see the [gcloud CLI guide](#).

To learn more about the command-line tools for App Engine, Compute Engine, Cloud Storage, BigQuery, Cloud SQL, and Cloud DNS (which are all bundled with the gcloud CLI), see [Accessing services with the gcloud CLI](#).

If you're a client application developer and want to find out more about accessing Google Cloud services with a programming language or framework, see [Client Libraries Explained](#).

### Tutorials

Here are some links to help you get started with Google Cloud services:

28°C Mostly sunny 1:35 PM

3. Set up a private GitHub repository to store your project files.

a. Log in to your GitHub account (or create one if you don't have it).

b. Click on the '+' icon at the top right corner of the GitHub dashboard and select

"New repository."

c. Choose a meaningful repository name for your ISEC6000 Secure DevOps project.

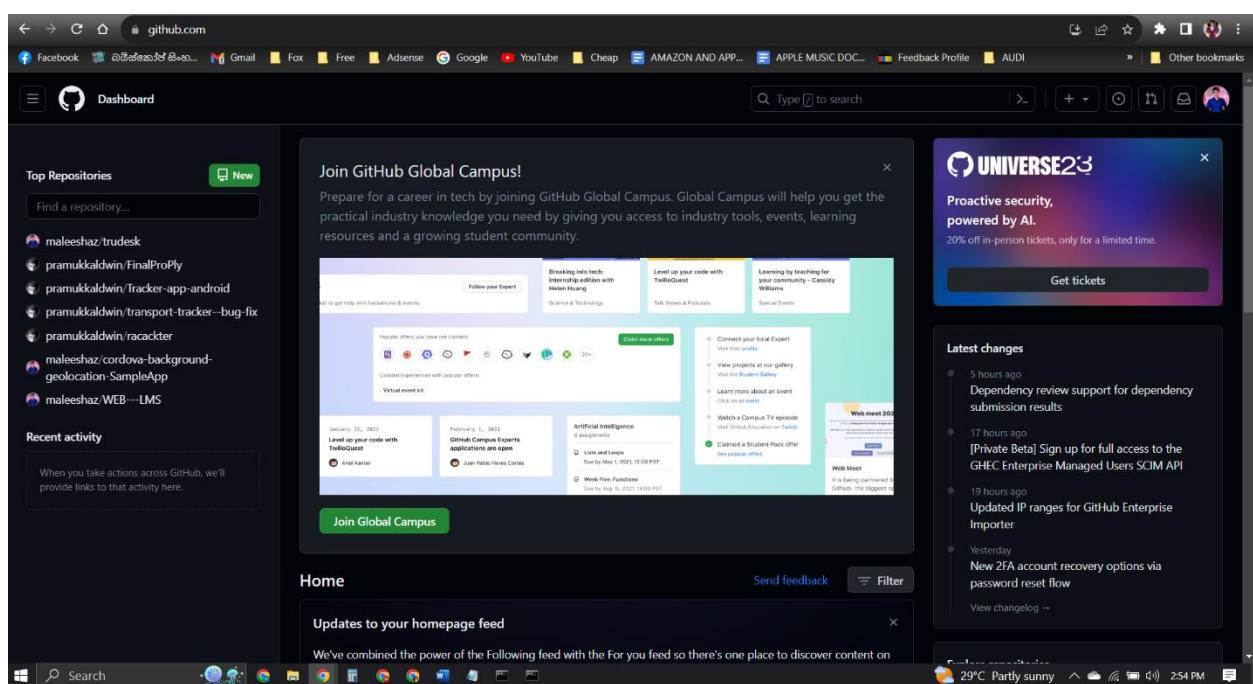
d. Select "Public" for the repository visibility.

e. You need to add a description and choose whether to initialize the repository

with a README. (Bonus marks if you have a proper README file.)

f. Click "Create repository."

g. Push the initial setup code to the repository.



github.com/new

Facebook Gmail Fox Free Adsense Google YouTube Cheap AMAZON AND APP... APPLE MUSIC DOC... Feedback Profile AUDI Other bookmarks

New repository

Type / to search

### Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Required fields are marked with an asterisk (\*).

Owner \* Repository name \*

maleeshaz / ISEC6000

Your new repository will be created as -ISEC6000.  
The repository name can only contain ASCII letters, digits, and the characters ., -, and \_.

Great repository names are short and memorable. Need inspiration? How about silver-guacamole ?

Description (optional)

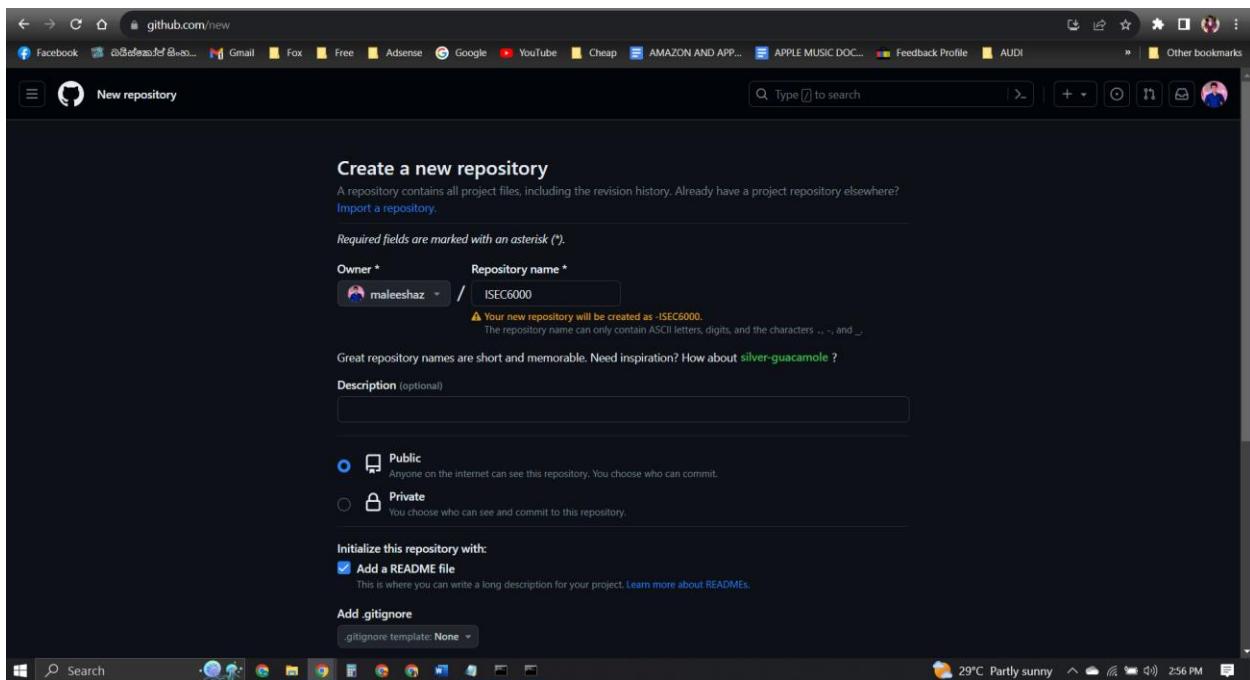
Public Anyone on the internet can see this repository. You choose who can commit.

Private You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file This is where you can write a long description for your project. Learn more about READMEs.

Add .gitignore .gitignore template: None



github.com/maleeshaz/-ISEC6000

Facebook Gmail Fox Free Adsense Google YouTube Cheap AMAZON AND APP... APPLE MUSIC DOC... Feedback Profile AUDI Other bookmarks

maleeshaz / -ISEC6000

Type / to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

-ISEC6000 Public

main 1 branch 0 tags

Go to file Add file <> Code About

maleeshaz Initial commit a98452e now 1 commit

README.md Initial commit now

README.md

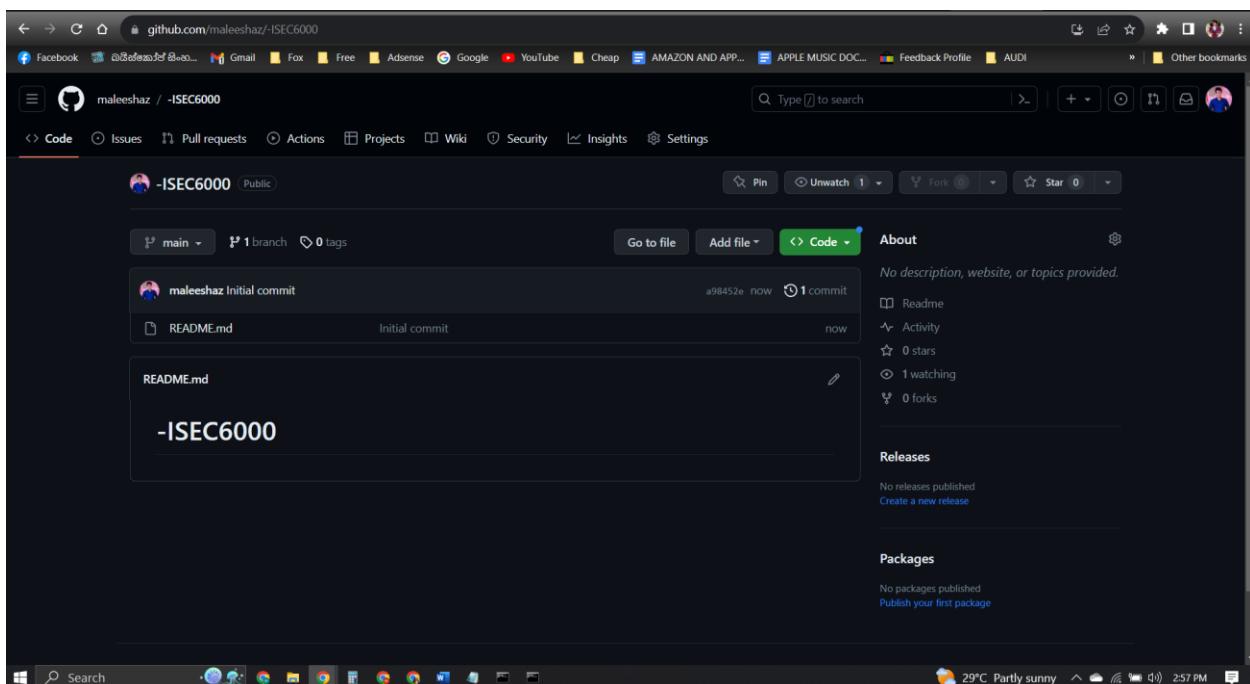
-ISEC6000

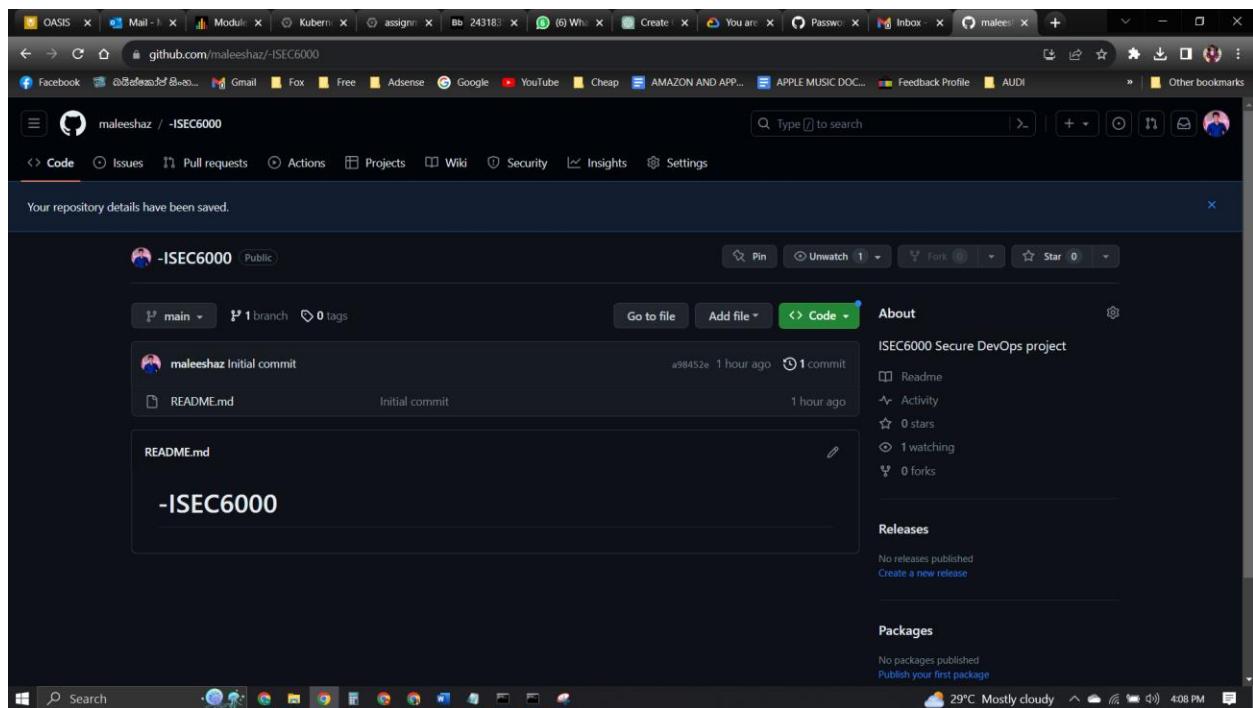
No description, website, or topics provided.

Readme Activity 0 stars 1 watching 0 forks

Releases No releases published Create a new release

Packages No packages published Publish your first package

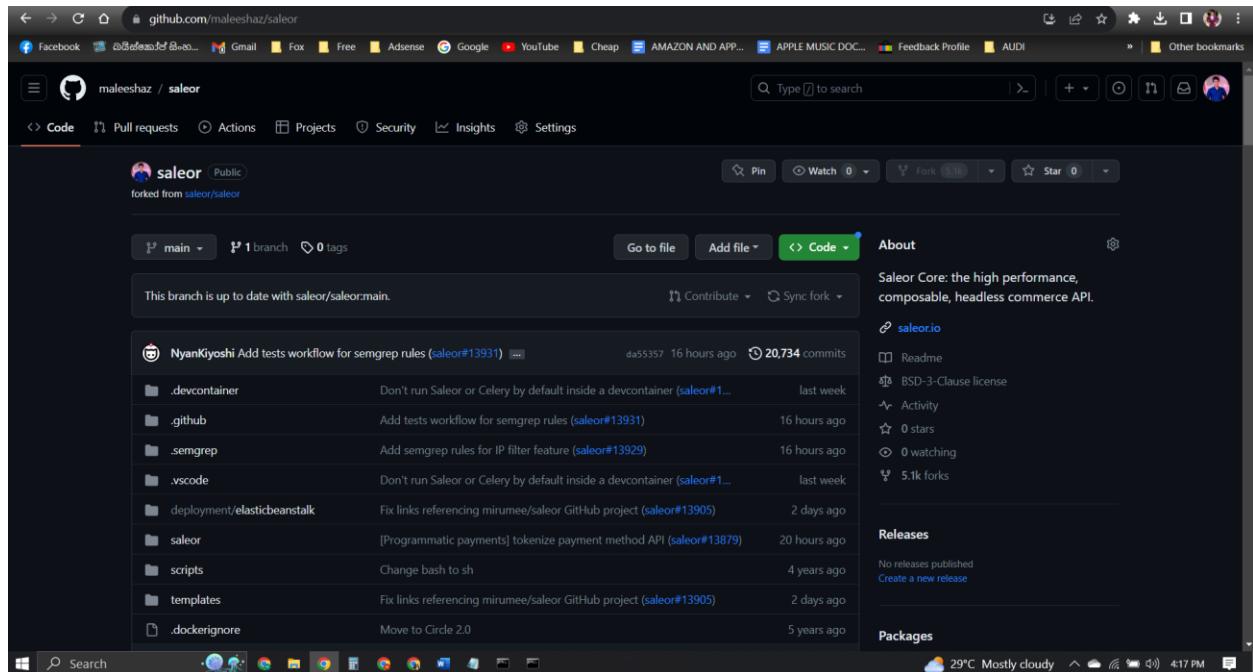




## Task 2: Microservices Architecture and Deployment [50]

1. Begin by acquainting yourself with the core projects and their purposes:

a. Saleor API: Explore the functionalities at <https://github.com/saleor/saleor> .



b. Saleor storefront: Understand the frontend mechanics at

<https://github.com/saleor/react-storefront> .

This branch is up to date with saleor/react-storefront:canary.

**Code** | **Pull requests** | **Actions** | **Projects** | **Security** | **Insights** | **Settings**

**react-storefront** Public  
forked from [saleor/react-storefront](#)

**About**  
An open-source storefront in React.js with Next.js. Built for Headless Commerce, using a modern stack with TypeScript, GraphQL, Apollo, and Tailwind CSS.

**Releases**  
No releases published [Create a new release](#)

**Packages**

29°C Mostly cloudy 4:17 PM

c. Saleor dashboard: Dive into the dashboard intricacies at

<https://github.com/saleor/saleor-dashboard> .

This branch is up to date with saleor/saleor-dashboard:main.

**Code** | **Pull requests** | **Actions** | **Projects** | **Wiki** | **Security** | **Insights** | **Settings**

**saleor-dashboard** Public  
forked from [saleor/saleor-dashboard](#)

**About**  
A GraphQL-powered, single-page dashboard application for Saleor.

**Releases**  
No releases published [Create a new release](#)

**Packages**

29°C Mostly cloudy 4:17 PM

d. Saleor platform: Access the repository at <https://github.com/saleor/saleorplatform>, which contains essential Docker Compose elements for configuring,

building, and executing Saleor components. Note that this repository references

the three aforementioned repos using Git submodules.

The image shows two screenshots of a GitHub interface. The top screenshot is titled 'Create a new fork' and shows the process of forking the 'saleor/saleor-platform' repository. It includes fields for 'Owner' (set to 'maleeshaz'), 'Repository name' (set to 'saleor-platform'), and a description box containing the text 'All Saleor services started from a single repository with docker-compose.'. A checked checkbox says 'Copy the main branch only'. The bottom screenshot shows the forked repository 'maleeshaz/saleor-platform' on the user's profile. It displays basic repository statistics (1 branch, 0 tags), a list of recent commits, and sections for 'About', 'Releases', and 'Packages'.

**Create a new fork**

A fork is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project. [View existing forks](#).

Required fields are marked with an asterisk (\*).

Owner \* Repository name \*

maleeshaz / saleor-platform

Saleor-platform is available.

Description (optional)

All Saleor services started from a single repository with docker-compose.

Copy the main branch only

Contribute back to saleor/saleor-platform by adding your own branch. [Learn more](#).

You are creating a fork in your personal account.

Create fork

**maleeshaz / saleor-platform**

forked from saleor/saleor-platform

main 1 branch 0 tags

This branch is up to date with saleor/saleor-platform:main.

Contribute Sync fork

**About**

All Saleor services started from a single repository with docker-compose.

Readme

BSD-3-Clause license

Activity

0 stars

0 watching

767 forks

**Releases**

No releases published

Create a new release

**Packages**

No packages published

Publish your first package

2. Create a personal account on Github.com and proceed to fork the Saleor platform repository.

3. Follow the step-by-step guidelines outlined in the Saleor platform repository to effectively run a Saleor stack enriched with sample data.

4. Tailor the Compose file to ensure optimal functionality:

a. Configure the React Storefront to operate on port 3009.

b. Assign port 9003 for the Saleor Dashboard.

c. Initiate the stack and verify the successful launch of all services:

o Saleor React Storefront: Accessible at <http://<Your-Linux-Server-IP>:3009>.

o Saleor Dashboard: Reachable via <http://<Your-Linux-Server-IP>:9003>.

5. Commit your modifications and push them to the forked repository, appending the tag `isec6000-assignment1`.

The screenshot shows a web browser window for [cloud.saleor.io](https://cloud.saleor.io). The URL bar also displays [cloud.saleor.io](#). The browser has several tabs open, including Redis, GitHub, React, Instagram, Home, Git, and Saleor.

The main content area shows a sidebar with navigation links: Projects, Billing, Staff Members, Configuration, and My Profile. The current view is for the **ISEC** project, specifically the **Sandbox** environment.

**Environment Details:**

- ENVIRONMENT DOMAIN: `isec.eu.saleor.cloud`
- SERVER REGION: Ireland
- SALEOR VERSION: 3.15.4

**Usage:** Manage Plan

**ISEC Environment:** No usage data collected yet

**Actions:** Go live ⓘ Promote

**Trusted client origins:** Domains that are allowed in registration, password reset, and other sensitive URLs.

**Getting started:** Ready, set, go! 🚀 Your environment is prepared. Explore.

**Buttons:** Cancel, Save (with a blue circular icon).

```
ISEC6000 — zsh — 123x35
...SEC6000/saleor-platform — docker-compose + docker compose up ...
~/Documents/ISEC6000 — zsh

==> Fetching libnhttp2
--> Downloading https://ghcr.io/v2/homebrew/core/libnhttp2/blobs/sha256:104e08aefc3de2d8307b6220364d9ccb78dc3540057b
#####
 100.0%
--> Downloading https://ghcr.io/v2/homebrew/core/libuv/manifests/1.46.0
#####
 100.0%
==> Fetching libuv
--> Downloading https://ghcr.io/v2/homebrew/core/libuv/blobs/sha256:38513d0917c18b294afadbc1ad005d73c450f3a06a5afcd2
#####
 100.0%
--> Downloading https://ghcr.io/v2/homebrew/core/ca-certificates/manifests/2023-08-22
#####
 100.0%
==> Fetching ca-certificates
--> Downloading https://ghcr.io/v2/homebrew/core/ca-certificates/blobs/sha256:a331e92e7a759571296581f029e5cc2ec7cee70
#####
 100.0%
--> Downloading https://ghcr.io/v2/homebrew/core/openssl/3/manifests/3.1.2-1
#####
 100.0%
==> Fetching openssl@3
--> Downloading https://ghcr.io/v2/homebrew/core/openssl/3/blobs/sha256:aacd29c88897b753de593d47bebcb262fa5912cee2de65
#####
 100.0%
==> Fetching node
--> Downloading https://ghcr.io/v2/homebrew/core/node/blobs/sha256:28239f8519d7c51f92b4905395194cca6ad7c9690c51092231
#####
 100.0%
==> Installing dependencies for node: brotli, c-ares, icu4c, libnhttp2, libuv, ca-certificates and openssl@3
==> Installing node dependency: brotli
--> Downloading https://ghcr.io/v2/homebrew/core/brotli/manifests/1.1.0-1
Already downloaded: /Users/thilinashanaka/Library/Caches/Homebrew/downloads/565098509cdfa90593ec9a41b41239f073843f88caed60d
daa3e6194ac4defda--brotli-1.1.0-1.bottle_manifest.json
==> Pouring brotli--1.1.0.monterey.bottle.1.tar.gz
↳ /usr/local/Cellar/brotli/1.1.0: 24 files, 998.8KB
==> Installing node dependency: c-ares
--> Downloading https://ghcr.io/v2/homebrew/core/c-ares/manifests/1.19.1
Already downloaded: /Users/thilinashanaka/Library/Caches/Homebrew/downloads/e3e6ef204a9735d776611aa879f63bdd12a55f41ca67b0b
86ce9c23e1a9e814a--c-ares-1.19.1.bottle_manifest.json
==> Pouring c-ares--1.19.1.monterey.bottle.tar.gz
↳ /usr/local/Cellar/c-ares/1.19.1: 87 files, 661.2KB
==> Installing node dependency: icu4c
```

```
ISEC6000 — zsh — 123x35
...SEC6000/saleor-platform — docker-compose + docker compose up ...
~/Documents/ISEC6000 — zsh

Last login: Sat Sep  9 19:31:12 on ttys000
[3] 95295
[thilinashanaka@192-168-1-109 ISEC6000 % git clone https://github.com/madushimperera/react-storefront.git
Cloning into 'react-storefront'...
remote: Enumerating objects: 13322, done.
remote: Counting objects: 100% (2598/2598), done.
remote: Compressing objects: 100% (746/746), done.
remote: Total 13322 (delta 2095), reused 1856 (delta 1852), pack-reused 10724
Receiving objects: 100% (13322/13322), 19.01 MiB | 4.28 MiB/s, done.
Resolving deltas: 100% (7670/7670), done.
[thilinashanaka@192-168-1-109 ISEC6000 % brew install node
==> Downloading https://formulae.brew.sh/api/formula.jws.json
#####
 100.0%
==> Downloading https://formulae.brew.sh/api/cask.jws.json
#####
 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/node/manifests/20.6.0
#####
 100.0%
==> Fetching dependencies for node: brotli, c-ares, icu4c, libnhttp2, libuv, ca-certificates and openssl@3
==> Downloading https://ghcr.io/v2/homebrew/core/brotli/manifests/1.1.0-1
#####
 100.0%
==> Fetching brotli
--> Downloading https://ghcr.io/v2/homebrew/core/brotli/blobs/sha256:befb6d59eb07e6efac5d321e3fd70e9763baa1e89028a56b
#####
 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/c-ares/manifests/1.19.1
#####
 100.0%
==> Fetching c-ares
--> Downloading https://ghcr.io/v2/homebrew/core/c-ares/blobs/sha256:c954838d76e0f11529f20455fa4173e5390a97479d141f3b
#####
 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/icu4c/manifests/73.2
#####
 100.0%
==> Fetching icu4c
--> Downloading https://ghcr.io/v2/homebrew/core/icu4c/blobs/sha256:56abe168ef97fdee2bc2a8d0634c235b54cb7c2740465ee64
#####
 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/libnhttp2/manifests/1.56.0
#####
 100.0%
```

```
ISEC6000 -- zsh -- 123x35
...SEC6000/saleor-platform -- docker-compose - docker compose up ...
~/Documents/ISEC6000 -- zsh

D /usr/local/Cellar/node/20.6.0: 2,398 files, 58.5MB
==> Running `brew cleanup node`...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
[thilinashanaka@192-168-1-109 ISEC6000 % npm i -g @saleor/cli

added 23 packages in 7s

10 packages are looking for funding
  run `npm fund` for details
npm notice
npm notice New major version of npm available! 9.8.1 -> 10.1.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.1.0
npm notice Run npm install -g npm@10.1.0 to update!
npm notice

[thilinashanaka@192-168-1-109 ISEC6000 % saleor storefront create --demo

You are not logged in

If you have an account - login using saleor login
If you don't have an account - register using saleor register
[thilinashanaka@192-168-1-109 ISEC6000 % saleor register

Use the following link:
https://cloud.saleor.io/signup
to create a Saleor Cloud account.

✓ Do you want to open it right now? (y/N) · yes
[thilinashanaka@192-168-1-109 ISEC6000 %
[thilinashanaka@192-168-1-109 ISEC6000 % saleor storefront create

✗ react-storefront project uses the pnpm package manager. To install it, run:
  npm install -g pnpm
[thilinashanaka@192-168-1-109 ISEC6000 % npm install -g -ppm
```

```
ISEC6000 -- zsh -- 123x36
...SEC6000/saleor-platform -- docker-compose - docker compose up ...
~/Documents/ISEC6000 -- zsh

[thilinashanaka@192-168-1-109 ISEC6000 % npm install -g -ppm
npm [ERR] code ENOENT
npm [ERR] syscall open
npm [ERR] path /Users/thilinashanaka/Documents/ISEC6000/package.json
npm [ERR] errno -2
npm [ERR] enoent ENOENT: no such file or directory, open '/Users/thilinashanaka/Documents/ISEC6000/package.json'
npm [ERR] enoent This is related to npm not being able to find a file.
npm [ERR] enoent

npm [ERR] A complete log of this run can be found in: /Users/thilinashanaka/.npm/_logs/2023-09-09T12_59_45_225Z-debug-0.log
[thilinashanaka@192-168-1-109 ISEC6000 % saleor storefront create

✗ react-storefront project uses the pnpm package manager. To install it, run:
  npm install -g pnpm
[thilinashanaka@192-168-1-109 ISEC6000 %
[thilinashanaka@192-168-1-109 ISEC6000 % npm install -g pnpm

added 1 package in 5s

1 package is looking for funding
  run `npm fund` for details
thilinashanaka@192-168-1-109 ISEC6000 % pnpm i
[ERR_PNPM_NO_PKG_MANIFEST] No package.json found in /Users/thilinashanaka/Documents/ISEC6000
thilinashanaka@192-168-1-109 ISEC6000 % pnpm i
[ERR_PNPM_NO_PKG_MANIFEST] No package.json found in /Users/thilinashanaka/Documents/ISEC6000
thilinashanaka@192-168-1-109 ISEC6000 % brew install node
[==> Downloading https://formulae.brew.sh/api/formula.jws.json
#####
[==> Downloading https://formulae.brew.sh/api/cask.jws.json
#####
Warning: node 20.6.0 is already installed and up-to-date.
To reinstall 20.6.0, run:
  brew reinstall node
thilinashanaka@192-168-1-109 ISEC6000 % pnpm i
[ERR_PNPM_NO_PKG_MANIFEST] No package.json found in /Users/thilinashanaka/Documents/ISEC6000
thilinashanaka@192-168-1-109 ISEC6000 %
```

```

saleor-platform -- docker-compose - docker compose up -- 123x65
...ISEC6000/saleor-platform -- docker-compose - docker compose up
+ ~Documents/ISEC6000 -- zsh

Adlm          Library
Applications  Movies
Applications (Parallels) Music
Autodesk      Pictures
Creative Cloud Files Public
Creative Cloud Files (archived) (1) SL
Desktop       Virtual Machines.localized
Documents     matlab_crash_dump.54440-1
Downloads    matlab_crash_dump.687-1
Fusion 360 CAM

[thilinashanaka@192-168-1-109 ~ % cd Applications
[thilinashanaka@192-168-1-109 Applications % ls
Autodesk Fusion 360.app           Remove Autodesk Fusion 360.app
[thilinashanaka@192-168-1-109 Applications % cd Documents
[thilinashanaka@192-168-1-109 ~ % cd Documents
[thilinashanaka@192-168-1-109 Documents % cd ISEC6000/
[thilinashanaka@192-168-1-109 ISEC6000 % cd saleor-platform
[thilinashanaka@192-168-1-109 saleor-platform % cd saleor-platform docker compose build
cd: too many arguments
[thilinashanaka@192-168-1-109 saleor-platform % docker compose build
[+] Building 0.0s (0/0)
[thilinashanaka@192-168-1-109 saleor-platform % docker compose run --rm api python3 manage.py migrate
[+] Running 7/21
[+] Running 21/21 [====] 14.47MB/87.82MB Pulling
✓ db 8 layers [=====] 0B/0B Pulled          10.9s
✓ 7264a8db6415 Pull complete               44.7s
✓ 6ff36a0c8b9b Pull complete               2.1s
✓ 41485c1df430 Pull complete               2.1s
✓ 0cd8e8b3892c Pull complete               2.2s
✓ 95fa58af8d806 Pull complete              37.8s
✓ fa15749fa9cb Pull complete               37.8s
✓ b7c5ac294be3 Pull complete               37.9s
✓ 920ea81cc333 Pull complete              38.0s
✓ redis 5 layers [=====] 0B/0B Pulled        16.2s
✓ a28817da73be Pull complete              4.7s
✓ 536ccaaebaffb Pull complete             6.6s
✓ b45243c0255d Pull complete              9.5s
✓ 5e5a559f10c1 Pull complete              9.6s
✓ 425c27c6a7d1 Pull complete              9.6s
✓ jaeger 5 layers [=====] 0B/0B Pulled       33.6s
✓ 659d66d51139 Pull complete              11.2s
✓ e54b5874b482 Pull complete              11.2s
✓ c6d81d5e4b4b Pull complete              11.6s
✓ 9cac31101b75 Pull complete              26.7s
✓ d15bb562bbb8 Pull complete              26.8s
[+] Creating 8/8
✓ Network saleor-platform_default          Created          0.3s
✓ Network saleor-platform_saleor-backend-tier Created          0.2s
✓ Volume "saleor-platform_saleor-db"        Created          0.4s
✓ Volume "saleor-platform_saleor-redis"      Created          0.0s
✓ Volume "saleor-platform_saleor-media"      Created          0.0s
✓ Container saleor-platform-db-1            Created          1.5s
✓ Container saleor-platform-jaeger-1         Created          1.6s
✓ Container saleor-platform-redis-1          Created          1.6s
[+] Running 3/3
✓ Container saleor-platform-redis-1          Started          10.9s
✓ Container saleor-platform-jaeger-1          Started          11.5s
✓ Container saleor-platform-db-1             Started          11.5s
[+] Running 16/16
✓ api 15 layers [=====] 0B/0B Pulled        124.8s
✓ 52d2b7f179e3 Pull complete              25.2s
✓ 2b8a9a2240c1 Pull complete              26.5s
✓ e6d407e9a756 Pull complete              31.5s
✓ 655a36f566fa Pull complete              31.6s
✓ b98a16c7ccff Pull complete              34.3s

```

```
saleor-platform — docker-compose • docker compose up — 123x65
...ISEC6000/saleor-platform — docker-compose • docker compose up
~/Documents/ISEC6000 — zsh

Applying account.0009_auto_20170206_0407... OK
Applying account.0010_auto_20170919_0839... OK
Applying account.0011_auto_20171110_0552... OK
Applying account.0012_auto_20171117_0846... OK
Applying account.0013_auto_20171120_0521... OK
Applying account.0014_auto_20171129_1004... OK
Applying account.0015_auto_20171213_0734... OK
Applying account.0016_auto_20180108_0814... OK
Applying account.0017_auto_20180206_0957... OK
Applying account.0018_auto_20180426_0641... OK
Applying account.0019_auto_20180528_1205... OK
Applying checkout.0007_merge_cart_with_checkout... OK
Applying checkout.0008_rename_tables... OK
Applying checkout.0009_cart_translated_discount_name... OK
Applying checkout.0010_auto_20180822_0720... OK
Applying checkout.0011_auto_20180913_0817... OK
Applying checkout.0012_remove_carline_data... OK
Applying checkout.0013_auto_20180913_0841... OK
Applying checkout.0014_auto_20180921_0751... OK
Applying checkout.0015_auto_20181017_1346... OK
Applying payment.0001_initial... OK
Applying payment.0002_transfer_payment_to_payment_method... OK
Applying order.0065_auto_20181017_1346... OK
Applying order.0066_auto_20181023_0319... OK
Applying order.0067_auto_20181022_1054... OK
Applying order.0068_order_checkout_token... OK
Applying order.0069_auto_20190225_2305... OK
Applying order.0070_drop_update_event_and_rename_events... OK
Applying account.0020_user_token... OK
Applying account.0021_unique_token... OK
Applying account.0022_auto_20180718_0956... OK
Applying account.0023_auto_20180719_0520... OK
Applying account.0024_auto_20181011_0737... OK
Applying account.0025_auto_20190314_0550... OK
Applying account.0026_user_avatar... OK
Applying account.0027_customerevent... OK
Applying site.0022_sitesettings_company_address... OK
Applying site.0023_auto_20191007_0835... OK
Applying site.0024_sitesettings_customer_set_password_url... OK
Applying site.0025_auto_20191024_0552... OK
Applying site.0026_remove_sitesettings_homepage_collection... OK
Applying site.0027_sitesettings Automatically_confirm_all_new_orders... OK
Applying site.0028_delete_authorizationkey... OK
Applying site.0029_auto_20210120_0934... OK
Applying site.0030_auto_20210722_1141... OK
Applying site.0030_alter_sitesettingstranslation_language_code... OK
Applying site.0031_merge_20210820_1454... OK
Applying site.0032_gift_card_settings... OK
Applying site.0033_sitesettings_reserve_stock_duration_minutes... OK
Applying site.0034_sitesettings_limit_quantity_per_checkout... OK
Applying shipping.0009_auto_20180629_1055... OK
Applying shipping.0010_auto_20180719_0520... OK
Applying shipping.0011_auto_20180802_1238... OK
Applying shipping.0012_remove_legacy_shipping_methods... OK
Applying shipping.0013_auto_20180822_0721... OK
Applying shipping.0014_auto_20180920_0956... OK
Applying shipping.0015_auto_20190305_0640... OK
Applying shipping.0016_shippingmethod_meta... OK
Applying shipping.0017_django_price_2... OK
Applying shipping.0018_default_zones_countries... OK
Applying shipping.0019_remove_shippingmethod_meta... OK
Applying shipping.0020_auto_20200902_1249... OK
Applying shipping.0021_auto_20201021_2158... OK
Applying product.0067_remove_product_is_featured... OK
Applying product.0068_auto_20180822_0720... OK
```

```
saleor-platform — docker-compose - docker compose up — 123x65
...ISEC6000/saleor-platform — docker-compose - docker compose up
~/Documents/ISEC6000 — -zsh +
```

/usr/local/Frameworks  
==> The Xcode Command Line Tools will be installed.

Press RETURN/ENTER to continue or any other key to abort:  
==> /usr/bin/sudo /bin/chmod u+rwx /usr/local/bin /usr/local/share /usr/local/share/man /usr/local/share/man/man1 /usr/local/share/man/man8  
==> /usr/bin/sudo /bin/chmod g+rwx /usr/local/bin /usr/local/share /usr/local/share/man /usr/local/share/man/man1 /usr/local/share/man/man8  
==> /usr/bin/sudo /usr/sbin/chown thilinashanaka /usr/local/bin /usr/local/share /usr/local/share/man /usr/local/share/man/man1 /usr/local/share/man/man8  
==> /usr/bin/sudo /usr/bin/chgrp admin /usr/local/bin /usr/local/share /usr/local/share/man /usr/local/share/man/man1 /usr/local/share/man/man8  
==> /usr/bin/sudo /bin/mkdir -p /usr/local/etc /usr/local/include /usr/local/lib /usr/local/sbin /usr/local/var /usr/local/opt /usr/local/share/zsh /usr/local/share/zsh/site-functions /usr/local/var/homebrew /usr/local/var/homebrew/linked /usr/local/Cellar /usr/local/Caskroom /usr/local/Frameworks  
==> /usr/bin/sudo /bin/chmod ug=rwx /usr/local/etc /usr/local/include /usr/local/lib /usr/local/sbin /usr/local/var /usr/local/opt /usr/local/share/zsh /usr/local/share/zsh/site-functions /usr/local/var/homebrew /usr/local/var/homebrew/linked /usr/local/Cellar /usr/local/Caskroom /usr/local/Frameworks  
==> /usr/bin/sudo /bin/chmod go-w /usr/local/share/zsh /usr/local/share/zsh/site-functions  
==> /usr/bin/sudo /usr/sbin/chown thilinashanaka /usr/local/etc /usr/local/include /usr/local/lib /usr/local/sbin /usr/local/var /usr/local/opt /usr/local/share/zsh /usr/local/share/zsh/site-functions /usr/local/var/homebrew /usr/local/var/homebrew/linked /usr/local/Cellar /usr/local/Caskroom /usr/local/Frameworks  
==> /usr/bin/sudo /bin/mkdir -p /usr/local/Homebrew  
==> /usr/bin/sudo /usr/sbin/chown -R thilinashanaka:admin /usr/local/Homebrew  
==> /usr/bin/sudo /bin/mkdir -p /Users/thilinashanaka/Library/Caches/Homebrew  
==> /usr/bin/sudo /bin/chmod g+rwx /Users/thilinashanaka/Library/Caches/Homebrew  
==> /usr/bin/sudo /usr/sbin/chown -R thilinashanaka /Users/thilinashanaka/Library/Caches/Homebrew  
==> Searching online for the Command Line Tools  
==> /usr/bin/sudo /usr/bin/touch /tmp/.com.apple.dt.CommandLineTools.installondemand.in-progress  
==> Installing Command Line Tools for Xcode-14.2  
==> /usr/bin/sudo /usr/sbin/softwareupdate -i Command\ Line\ Tools\ for\ Xcode-14.2  
Software Update Tool

Finding available software

Downloading Command Line Tools for Xcode

Downloaded Command Line Tools for Xcode  
Installing Command Line Tools for Xcode

Done with Command Line Tools for Xcode  
Done.  
==> /usr/bin/sudo /usr/bin/xcode-select --switch /Library/Developer/CommandLineTools  
Password:  
Sorry, try again.  
Password:  
==> /usr/bin/sudo /bin/rm -f /tmp/.com.apple.dt.CommandLineTools.installondemand.in-progress  
==> Downloading and installing Homebrew...  
remote: Enumerating objects: 247046, done.  
remote: Counting objects: 100% (101/101), done.  
remote: Compressing objects: 100% (91/91), done.  
remote: Total 247046 (delta 22), reused 75 (delta 18), pack-reused 246945  
Receiving objects: 100% (247046/247046), 72.48 MiB | 4.01 MiB/s, done.  
Resolving deltas: 100% (180565/180565), done.  
From https://github.com/Homebrew/brew  
 \* [new branch] dependabot/bundler/Library/Homebrew/rubocop-sorbet-0.7.3 -> origin/dependabot/bundler/Library/Homebrew/rubocop-sorbet-0.7.3  
 \* [new branch] master -> origin/master  
 [ \* [new tag] 0.1 -> 0.1  
 \* [new tag] 0.2 -> 0.2  
 \* [new tag] 0.3 -> 0.3

saleor-platform — docker-compose • docker compose up — 123x65

```
...SEC6000/saleor-platform — docker-compose • docker compose up
+ ~Documents/SEC6000 — zsh
```

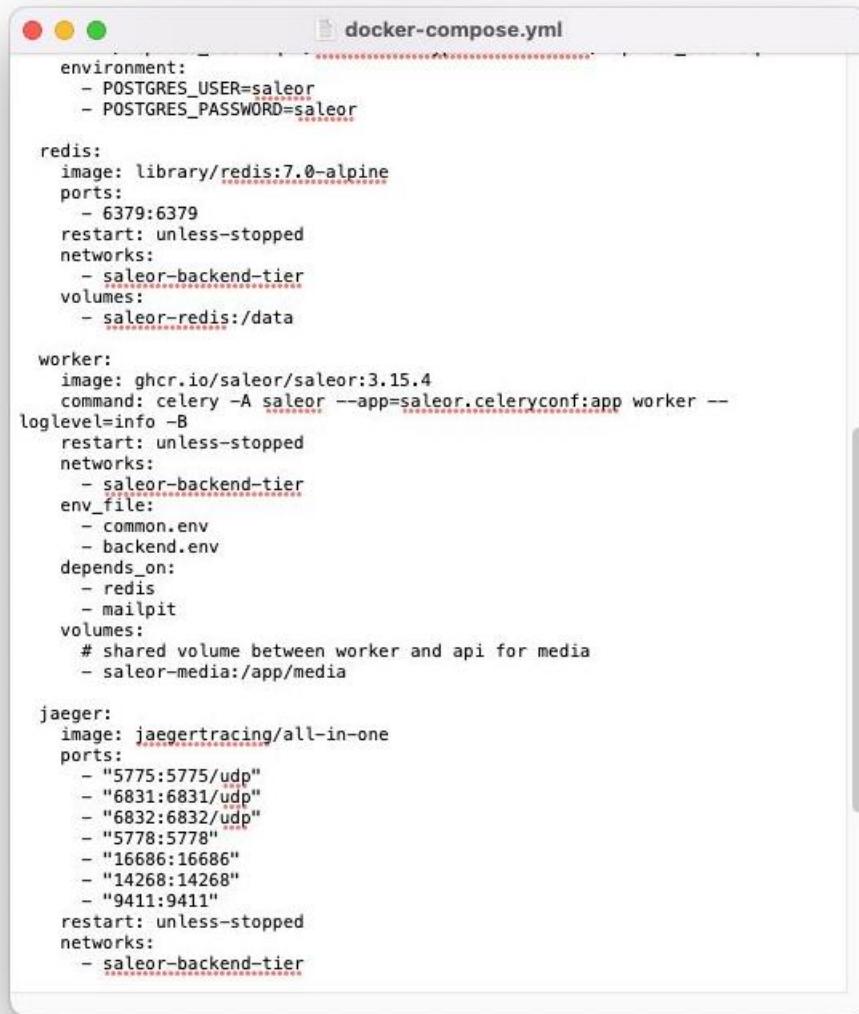
```
saleor-platform-worker-1 | 2023-09-09 12:30:19,181 INFO celery.app.trace Task saleor.giftcard.tasks.update_gift_cards_search_vector_task[53fa38a1-a17a-4cce-8274-dca7362c4473] succeeded in 0.01288642700001219s: None [PID:23:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:19,191 INFO celery.app.trace Task saleor.product.tasks.update_products_search_vector_task[214c2434-8479-4724-8fde-7050eb6a157] succeeded in 0.019007659999942916s: None [PID:24:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:39,144 INFO celery.beat Scheduler: Sending due task update-gift-cards-search-vectors (saleor.giftcard.tasks.update_gift_cards_search_vector_task) [PID:25:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:39,154 INFO celery.worker.strategy Task saleor.giftcard.tasks.update_gift_cards_search_vector_task[312f5c6d-0347-4bc0-83fd-008fd712a136] received [PID:1:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:39,161 INFO celery.beat Scheduler: Sending due task update-products-search-vectors (saleor.product.tasks.update_products_search_vector_task) [PID:25:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:39,161 INFO celery.app.trace Task saleor.giftcard.tasks.update_gift_cards_search_vector_task[312f5c6d-0347-4bc0-83fd-008fd712a136] succeeded in 0.008450769999976467s: None [PID:23:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:39,166 INFO celery.worker.strategy Task saleor.product.tasks.update_products_search_vector_task[da2ae33d-7f78-4820-ac35-5f9b3a7570c2] received [PID:1:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:39,174 INFO celery.app.trace Task saleor.product.tasks.update_products_search_vector_task[da2ae33d-7f78-4820-ac35-5f9b3a7570c2] succeeded in 0.006569147999925917s: None [PID:23:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:59,156 INFO celery.beat Scheduler: Sending due task update-gift-cards-search-vectors (saleor.giftcard.tasks.update_gift_cards_search_vector_task) [PID:25:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:59,171 INFO celery.beat Scheduler: Sending due task update-products-search-vectors (saleor.product.tasks.update_products_search_vector_task) [PID:25:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:59,173 INFO celery.worker.strategy Task saleor.giftcard.tasks.update_gift_cards_search_vector_task[@0ebec615-138e-484d-8bb7-d8794079862c] received [PID:1:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:59,181 INFO celery.worker.strategy Task saleor.product.tasks.update_products_search_vector_task[@0ebec615-138e-484d-8bb7-d8794079862c] succeeded in 0.02118273100006718s: None [PID:24:MainThread]
saleor-platform-worker-1 | 2023-09-09 12:30:59,222 INFO celery.app.trace Task saleor.giftcard.tasks.update_gift_cards_search_vector_task[@0ebec615-138e-484d-8bb7-d8794079862c] succeeded in 0.029928401000006488s: None [PID:23:MainThread]

saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:20 +0000] "GET / HTTP/1.1" 200 1068 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:20 +0000] "GET /dashboard/index.287e8264.css HTTP/1.1" 200 1048 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:20 +0000] "GET /dashboard/vendor.dc3ec66a.css HTTP/1.1" 200 678797 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:20 +0000] "GET /dashboard/index.6e8ed558.js HTTP/1.1" 200 4266913 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:20 +0000] "GET /dashboard/manifest.webmanifest HTTP/1.1" 200 172 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:21 +0000] "GET /dashboard/vendor.71903382.js HTTP/1.1" 200 10131179 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:23 +0000] "GET /dashboard/Inter-roman.var.17fe38ab.woff2 HTTP/1.1" 200 227180 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:23 +0000] "GET /dashboard/login-background.ddb84169.svg HTTP/1.1" 200 25828 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:23 +0000] "GET /dashboard/logo-light.6975d9e6.svg HTTP/1.1" 200 3657 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:24 +0000] "GET /sw.js HTTP/1.1" 200 50769 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:24 +0000] "GET /sw.js HTTP/1.1" 200 50769 "http://localhost:9000/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:25 +0000] "GET /ar.c57dbd61.js HTTP/1.1" 200 243677 "http://localhost:9000/sw.js" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/16.3 Safari/605.1.15"
saleor-platform-dashboard-1 | 172.18.0.1 - - [09/Sep/2023:12:34:27 +0000] "GET /az.8d437b4e.js HTTP/1.1" 200 208251 "http:
```

```

saleor-platform — docker-compose - docker compose up — 123x65
...ISEC6000/saleor-platform — docker-compose + docker compose up
saleor-platform-dashbord-1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
saleor-platform-dashbord-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
saleor-platform-dashbord-1 | 10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
f
saleor-platform-dashbord-1 | 10-listen-on-ipv6-by-default.sh: info: /etc/nginx/conf.d/default.conf differs from the packed version
saleor-platform-dashbord-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
saleor-platform-dashbord-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: using the "epoll" event method
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: nginx/1.24.0
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: built by gcc 12.2.1 20220924 (Alpine 12.2.1_git20220924-r4)
)
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: OS: Linux 5.15.49-linuxkit-pr
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: start worker processes
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: start worker process 30
saleor-platform-dashbord-1 | 2023/09/09 12:29:29 [notice] 1#1: start worker process 31
saleor-platform-dashbord-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/50-replace-api-url.sh
saleor-platform-dashbord-1 | No API_URL provided, using defaults.
saleor-platform-dashbord-1 | /docker-entrypoint.sh: Configuration complete; ready for start up
saleor-platform-mailpit-1 | INFO[2023/09/09 12:29:30] [smtpd] starting on 0.0.0.0:1025
saleor-platform-mailpit-1 | INFO[2023/09/09 12:29:30] [http] starting server on http://localhost:8025/
saleor-platform-worker-1 | 2023-09-09 12:29:54,106 WARNING saleor.core.jwt_manager RSA_PRIVATE_KEY is missing. Using temporary key for local development with DEBUG mode. [PID:1:MainThread]
saleor-platform-api-1 | 2023-09-09 12:29:54,106 WARNING saleor.core.jwt_manager RSA_PRIVATE_KEY is missing. Using temporary key for local development with DEBUG mode. [PID:1:MainThread]
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [1] [INFO] Starting gunicorn 20.1.0
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [1] [INFO] Listening at: http://0.0.0.0:8000 (1)
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [1] [INFO] Using worker: saleor.asgi.gunicorn_worker.UvicornWorker
saleor-platform-api-1 |
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [23] [INFO] Booting worker with pid: 23
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [24] [INFO] Booting worker with pid: 24
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [23] [INFO] Started server process [23]
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [26] [INFO] Booting worker with pid: 26
saleor-platform-api-1 | [2023-09-09 12:29:54 +0000] [25] [INFO] Booting worker with pid: 25
saleor-platform-api-1 | [2023-09-09 12:29:55 +0000] [26] [INFO] Started server process [26]
saleor-platform-api-1 | [2023-09-09 12:29:55 +0000] [24] [INFO] Started server process [24]
saleor-platform-api-1 | [2023-09-09 12:29:55 +0000] [25] [INFO] Started server process [25]
saleor-platform-worker-1 | 2023-09-09 12:29:55,444 WARNING py.warnings /usr/local/lib/python3.9/site-packages/celery/platorms.py:829: SecurityWarning: You're running the worker with superuser privileges: this is
saleor-platform-worker-1 | absolutely not recommended!
saleor-platform-worker-1 | Please specify a different user using the --uid option.
saleor-platform-worker-1 | User information: uid=0 euid=0 gid=0 egid=0
saleor-platform-worker-1 | warnings.warn(SecurityWarning(ROOT_DISCOURAGED.format(
[PID:1:MainThread]
----- celery@ba142cba4f70 v5.3.1 (emerald-rush)
--- **** -----
--- ***** ----- Linux-5.15.49-linuxkit-pr-x86_64-with-glibc2.36 2023-09-09 12:29:55
- *** --- *
- ** ----- [config]
- ** ----- .> app: saleor:0x7f4d5b07d6d0
- ** ----- .> transport: redis://redis:6379/1
- ** ----- .> results: disabled://
- *** --- * --- .> concurrency: 2 (prefork)
--- ***** ----- .> task events: OFF (enable -E to monitor tasks in this worker)
--- **** -----
----- [queues]
-> celery exchange=celery(direct) key=celery

```



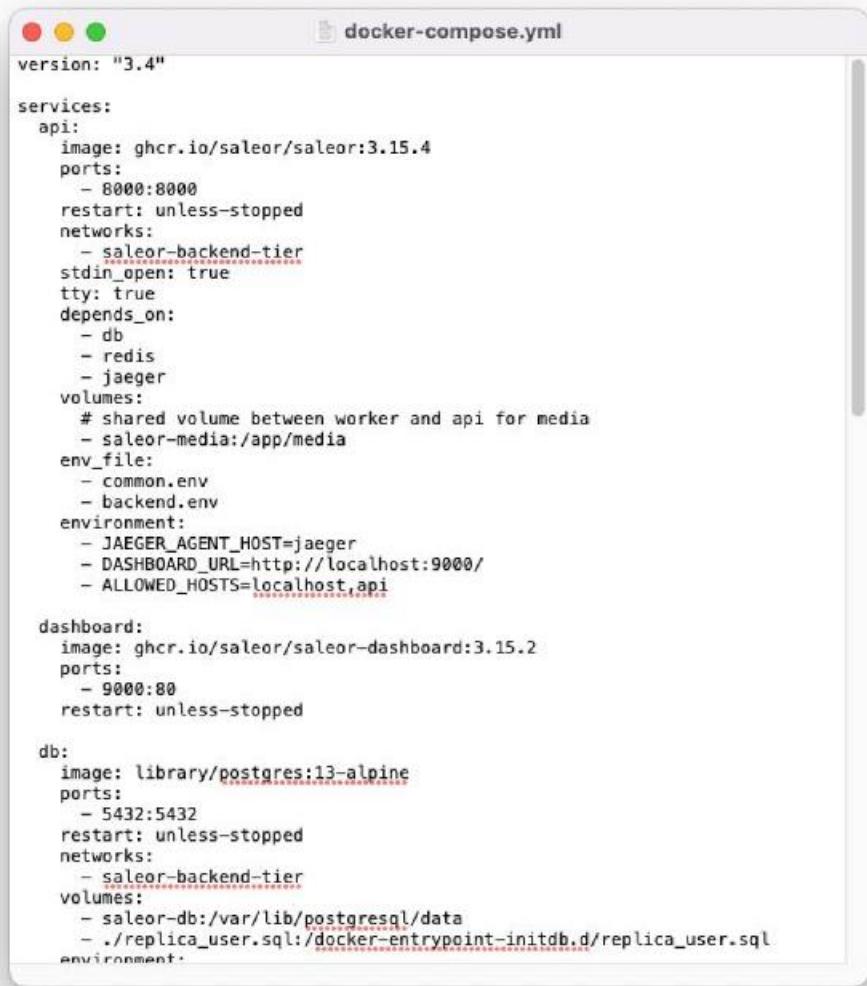
The screenshot shows a Mac OS X window titled "docker-compose.yml". The window contains the following Docker Compose configuration file:

```
environment:
  - POSTGRES_USER=saleor
  - POSTGRES_PASSWORD=saleor

redis:
  image: library/redis:7.0-alpine
  ports:
    - 6379:6379
  restart: unless-stopped
  networks:
    - saleor-backend-tier
  volumes:
    - saleor-redis:/data

worker:
  image: ghr.io/saleor/saleor:3.15.4
  command: celery -A saleor --app=saleor.celeryconf:app worker --
loglevel=info -B
  restart: unless-stopped
  networks:
    - saleor-backend-tier
  env_file:
    - common.env
    - backend.env
  depends_on:
    - redis
    - mailpit
  volumes:
    # shared volume between worker and api for media
    - saleor-media:/app/media

jaeger:
  image: jaegertracing/all-in-one
  ports:
    - "5775:5775/udp"
    - "6831:6831/udp"
    - "6832:6832/udp"
    - "5778:5778"
    - "16686:16686"
    - "14268:14268"
    - "9411:9411"
  restart: unless-stopped
  networks:
    - saleor-backend-tier
```



The screenshot shows a Mac OS X window titled "docker-compose.yml". The window contains the following Docker Compose configuration file:

```
version: "3.4"
services:
  api:
    image: ghcr.io/saleor/saleor:3.15.4
    ports:
      - 8000:8000
    restart: unless-stopped
    networks:
      - saleor-backend-tier
    stdin_open: true
    tty: true
    depends_on:
      - db
      - redis
      - jaeger
    volumes:
      # shared volume between worker and api for media
      - saleor-media:/app/media
    env_file:
      - common.env
      - backend.env
    environment:
      - JAAGER_AGENT_HOST=jaeger
      - DASHBOARD_URL=http://localhost:9000/
      - ALLOWED_HOSTS=localhost,api
  dashboard:
    image: ghcr.io/saleor/saleor-dashboard:3.15.2
    ports:
      - 9000:80
    restart: unless-stopped
  db:
    image: library/postgres:13-alpine
    ports:
      - 5432:5432
    restart: unless-stopped
    networks:
      - saleor-backend-tier
    volumes:
      - saleor-db:/var/lib/postgresql/data
      - ./replica_user.sql:/docker-entrypoint-initdb.d/replica_user.sql
    environment:
```

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Container CPU usage [?](#) **2.00% / 200%** (2 cores allocated) Container memory usage [?](#) **830.57MB / 3.75GB** [Show charts](#) ▾

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| <input type="checkbox"/> | Name  | Image | Status        | CPU (%) | Port(s) | Last started | Actions                                      |
|--------------------------|---|-------|---------------|---------|---------|--------------|--|
| <input type="checkbox"/> |  <b>saleor-platf</b> |       | Running (7/7) | 2%      |         | 1 hour ago   | <span>⋮</span> <span>⋮</span> <span>⋮</span> |

Showing 1 item

RAM 3.66 GB CPU 3.08% Disk 55.84 GB avail. of 62.67 GB  Connected to Hub v4.22.1

```
[ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % brew install node
==> Downloading https://formulae.brew.sh/api/formula.jws.json
#####
==> Downloading https://formulae.brew.sh/api/cask.jws.json
#####
==> Downloading https://ghcr.io/v2/homebrew/core/node/manifests/20.6.0
#####
==> Fetching dependencies for node: brotli, c-ares, icu4c, libnghttp2, libuv, ca
-certificates and openssl@3
==> Downloading https://ghcr.io/v2/homebrew/core/brotli/manifests/1.1.0-1
#####
==> Fetching brotli
==> Downloading https://ghcr.io/v2/homebrew/core/brotli/blobs/sha256:8065a97a202
#####
==> Downloading https://ghcr.io/v2/homebrew/core/c-ares/manifests/1.19.1
#####
==> Fetching c-ares
==> Downloading https://ghcr.io/v2/homebrew/core/c-ares/blobs/sha256:ba35cc0962b
#####
==> Downloading https://ghcr.io/v2/homebrew/core/icu4c/manifests/73.2
#####
==> Fetching icu4c
==> Downloading https://ghcr.io/v2/homebrew/core/icu4c/blobs/sha256:953797d46546
#####
3/183] done
[ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % -zsh - 80x24
==> Pouring openssl@3--3.1.2.arm64_ventura.bottle.1.tar.gz
/opt/homebrew/Cellar/openssl@3/3.1.2: 6,495 files, 28.4MB
==> Installing node
==> Pouring node--20.6.0.arm64_ventura.bottle.tar.gz
/opt/homebrew/Cellar/node/20.6.0: 2,398 files, 57.5MB
==> Running `brew cleanup node`...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
[ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront %
[ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront %
[ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % npm -v
9.8.1
[ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % npm i -g @saleor/cli
I added 23 packages in 8s
V 10 packages are looking for funding
I run `npm fund` for details
S npm notice
E npm notice New major version of npm available! 9.8.1 -> 10.0.0
I npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.0.0
I npm notice Run npm install -g npm@10.0.0 to update!
N npm notice
ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront %
```

```
3/18/21 6:09a saleor-react-storefront — node < node /opt/homebrew/bin/saleor storefront...
I t If you have an account - login using saleor login
I If you don't have an account - register using saleor register
I [ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % saleor register
a
I Use the following link:
I https://cloud.saleor.io/signup
v to create a Saleor Cloud account.

I ✓ Do you want to open it right now? (y/N) · yes
I [ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % saleor storefront crea
e te
I
I ✕ react-storefront project uses the pnpm package manager. To install it, run:
N   npm install -g pnpm
O [ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % npm install -g pnpm
a
I added 1 package in 2s

O 1 package is looking for funding
I   run `npm fund` for details
I [ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % saleor storefront crea
te
I   : Installing dependencies...
```

```
saleor-react-storefront — node /opt/homebrew/bin/pnpm i — 80x24
a
I To start your application:
V v   cd saleor-demo
I v     pnpm dev
I [ranuldeelaka@Ranuls-MacBook-Air saleor-react-storefront % pnpm i
I   apps/saleor-app-checkout | WARN The field "resolutions" was fo
I   und in /Users/ranuldeelaka/Documents/ISEC6000_A1/saleor-react-storefront/apps/sa
I   leor-app-checkout/package.json. This will not take effect. You should configu
I   re "resolutions" at the root of the workspace instead.
I   packages/checkout-storefront | WARN The field "resolutions" was fo
I   und in /Users/ranuldeelaka/Documents/ISEC6000_A1/saleor-react-storefront/package
I   s/checkout-storefront/package.json. This will not take effect. You should config
I   ure "resolutions" at the root of the workspace instead.
I   packages/ui-kit | WARN The field "resolutions" was fo
I   und in /Users/ranuldeelaka/Documents/ISEC6000_A1/saleor-react-storefront/package
I   s/ui-kit/package.json. This will not take effect. You should configure "resoluti
I   ons" at the root of the workspace instead.
I   Scope: all 10 workspace projects
O Lockfile is up to date, resolution step is skipped
I Packages: +2953
I ++++++
I Progress: resolved 2953, reused 2302, downloaded 10, added 1654
```

```
a @saleor/checkout-storefront:dev: [1] 9 import PL_PL from "../../content/compiled
-I -locales/pl-PL.json";
I @saleor/checkout-storefront:dev: [1] █
V ~~~~~
V @saleor/checkout-storefront:dev: [1]
I @saleor/checkout-storefront:dev: [1] (!) Plugin typescript: @rollup/plugin-types
S cript: outputToFilesystem option is defaulting to true.
e @saleor/checkout-storefront:dev: [1] created dist/esm/index.js in 12.9s
I @saleor/checkout-storefront:dev: [1] bundles ./src/index.css → dist/index.css...
N @saleor/checkout-storefront:dev: [1] (!) The emitted file "index.css" overwrites
a a previously emitted file of the same name.
O @saleor/checkout-storefront:dev: [1] created dist/index.css in 457ms
a @saleor/checkout-storefront:dev: [1] bundles ./dist/esm/index.d.ts → dist/index.
d.ts...
@saleor/checkout-storefront:dev: [1] (!) Unresolved dependencies
O @saleor/checkout-storefront:dev: [1] https://rollupjs.org/guide/en/#warning-trea
/ ting-module-as-external-dependency
@saleor/checkout-storefront:dev: [1] @/checkout-storefront/providers/AppConfigPr
ovider/types (imported by "dist/esm/pages/Root.d.ts")
O @saleor/checkout-storefront:dev: [1] created dist/index.d.ts in 11ms
/saleor-app-checkout:dev: wait - compiling...
/saleor-app-checkout:dev: event - compiled client and server successfully in 254
ms (1374 modules)
█
```

You've successfully logged into the Saleor CLI!

You can close this tab and return to your terminal.

```
saleor-react-storefront — turbo ✘ node /opt/homebrew/bin/pnpm dev — 8...
I @saleor/checkout-storefront:dev: [1] @/checkout-storefront/providers/AppConfigProvider/types (imported by "dist/esm/pages/Root.d.ts")
N @saleor/checkout-storefront:dev: [1] created dist/index.d.ts in 30ms
0 saleor-app-checkout:dev: event - compiled client and server successfully in 433
a ms (1374 modules)
saleor-app-checkout:dev: wait - compiling /_error (client and server)...
saleor-app-checkout:dev: event - compiled client and server successfully in 218
0 ms (1374 modules)
/ saleor-app-checkout:dev: warn - You have added a custom /_error page without a
custom /404 page. This prevents the 404 page from being auto statically optimize
d.
0 saleor-app-checkout:dev: See here for info: https://nextjs.org/docs/messages/cus
tom-error-no-custom-404
/ saleor-app-checkout:dev: warn - Fast Refresh had to perform a full reload. Read
more: https://nextjs.org/docs/basic-features/fast-refresh#how-it-works
0 saleor-app-checkout:dev: TypeError: Cannot read properties of null (reading 'len
/gth')
saleor-app-checkout:dev:      at eval (webpack-internal:///.../node_modules/.pn
pm/next@13.0.4_@babel+core@7.19.6_react-dom@18.2.0_react@18.2.0/node_modules/nex
t/dist/client/dev/error-overlay/hot-dev-client.js:262:55)
/ saleor-app-checkout:dev: wait - compiling /channels (client and server)...
saleor-app-checkout:dev: event - compiled client and server successfully in 123
ms (1404 modules)
```

```
saleor-react-storefront — docker-compose ✘ docker compose build — 80...
a [+] Building 240.5s (18/26) docker:desktop-linux
  => => sha256:319baba52d704d1f6d30560693f42fdfd1576691434 2.73MB / 2.73MB 1.8s
  => => sha256:c96190ddb0c68a131dc3f53a09461ca4795026fe551bdee 452B / 452B 2.4s
0  => => extracting sha256:d7cc66d62b738dea27e341b7322194f45ab1be2e548fe11d 0.8s
/  => => extracting sha256:2e433e55220b81320b249d5b87b0b5559a4ef45b31903dfe 0.0s
  => => extracting sha256:a79df7edbcbe64f58aae1b1a6ce5b82fb0f65eef2b9c61e 0.8s
  => => extracting sha256:319baba52d704d1f6d30560693f42fdfd15766914344d900 0.1s
0  => => extracting sha256:c96190ddb0c68a131dc3f53a09461ca4795026fe551bdee8 0.0s
/  => [storefront internal] load build context 0.8s
  => => transferring context: 33.41MB 0.8s
  => [saleor-app-checkout 2/10] WORKDIR /app 0.1s
0  => [saleor-app-checkout 3/10] RUN npm install -g pnpm@8.6.6 2.1s
/  => [storefront 4/10] RUN apt-get update && apt-get install -y nginx jq 6.9s
  => [saleor-app-checkout 5/10] COPY apps/storefront/nginx/dev.conf /etc/ 0.0s
  => [saleor-app-checkout 6/10] COPY . . 0.2s
0  => [saleor-app-checkout 7/10] RUN jq 'del(.devDependencies.cypress)' pa 0.1s
/  => [saleor-app-checkout 8/10] RUN pnpm install 61.2s
  => [saleor-app-checkout 9/10] RUN rm .env 0.3s
  => [saleor-app-checkout 10/10] RUN pnpm turbo run build 131.6s
0  => [saleor-app-checkout] exporting to image 28.3s
/  => exporting layers 28.3s
  => [storefront] exporting to image 28.3s
  => exporting layers 28.3s
```

localhost:9003

Saleor Dashboard

Hello there, admin@example.com

Here is some information we gathered about your store

Default Channel

Sales USD 0.00 Orders 0

Today Today

1 orders are ready to fulfill >

2 payments to capture >

No products are out of stock >

Activity

No activities found

localhost:3001/customization/

Channels Customization

Branding

Button BG Primary  
Button BG Hover  
Border Primary  
Error

Success  
Button Text  
Text

Logo

Drag an image here  
Max size 1GB

Upload file +

Customization preview

Checkout URL

Please provide valid checkout URL

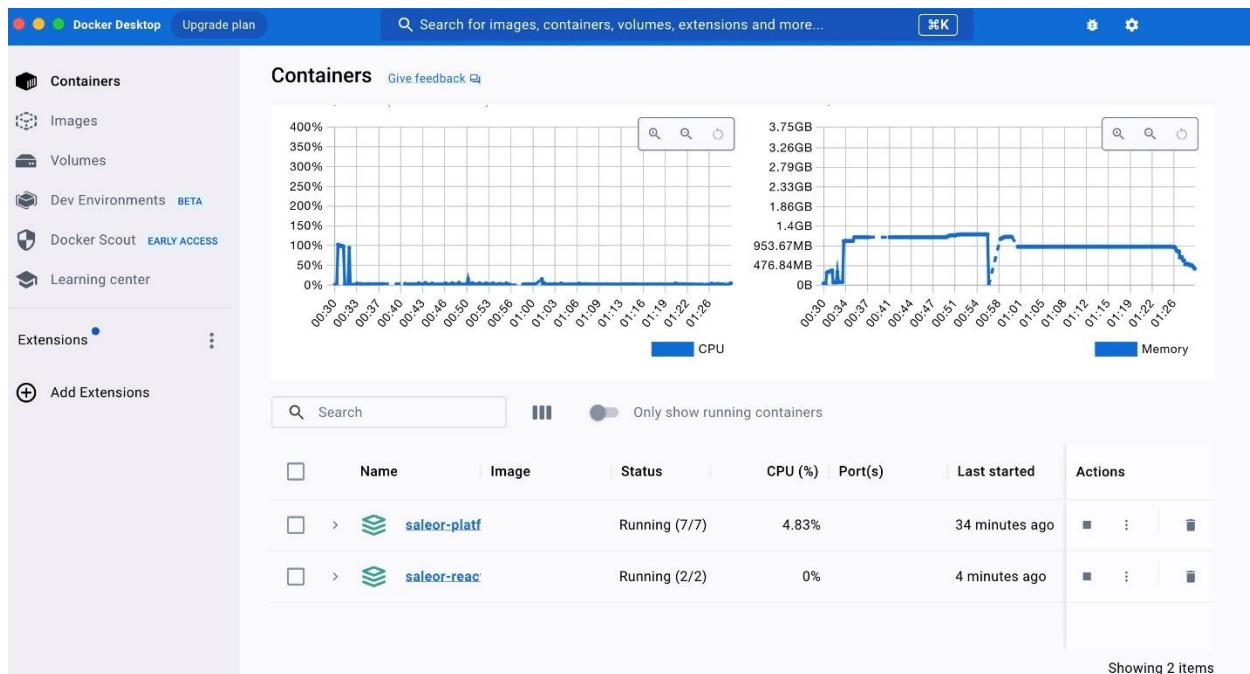
Back Save

```
saleor-react-storefront — docker-compose - docker compose up — 80x24
saleor-app-checkout | saleor-app-checkout:start: info  - Loaded env from /app/apps/saleor-app-checkout/.env
saleor-app-checkout | saleor-app-checkout:start: warn  - Invalid next.config.js options detected:
saleor-app-checkout | saleor-app-checkout:start:    - The root value has an unexpected property, sentry, which is not in the list of allowed properties (amp, analyticsId, assetPrefix, basePath, cleanDistDir, compiler, compress, crossOrigin, devIndicators, distDir, env, eslint, excludeDefaultMomentLocales, experimental, exportPathMap, generateBuildId, generateEtags, headers, httpAgentOptions, i18n, images, onDemandEntries, optimizeFonts, output, outputFileTracing, pageExtensions, poweredByHeader, productionBrowserSourceMaps, publicRuntimeConfig, reactStrictMode, redirects, rewrites, sassOptions, serverRuntimeConfig, staticPageGenerationTimeout, swcMinify, trailingSlash, typescript, useFileSystemPublicRoutes, webpack).
saleor-app-checkout | saleor-app-checkout:start:
saleor-app-checkout | saleor-app-checkout:start: See more info here: https://nextjs.org/docs/messages/invalid-next-config
saleor-app-checkout | saleor-app-checkout:start: warn  - You have enabled experimental features (esmExternals, externalDir) in next.config.js.
saleor-app-checkout | saleor-app-checkout:start: warn  - Experimental features are not covered by semver, and may cause unexpected or broken application behavior. Use at your own risk.
saleor-app-checkout | saleor-app-checkout:start:
```

The screenshot shows the Docker Desktop interface. On the left, there's a sidebar with icons for Containers, Images (which is selected), Volumes, Dev Environments (BETA), Docker Scout (EARLY ACCESS), and Learning center. Below that is an 'Extensions' section with a '+' button to add extensions. The main area is titled 'Images' with a 'Local' tab selected, showing a list of 8 images. The table columns are Name, Tag, Status, Created, Size, and Actions. The images listed are:

| Name                               | Tag        | Status | Created       | Size    | Actions |
|------------------------------------|------------|--------|---------------|---------|---------|
| saleor-react-storefront-storefront | latest     | In use | 3 minutes ago | 2.41 GB | [More]  |
| saleor-react-storefront-saleor-a   | latest     | In use | 3 minutes ago | 2.41 GB | [More]  |
| jaegertracing/all-in-one           | latest     | In use | 1 day ago     | 57.4 MB | [More]  |
| redis                              | 7.0-alpine | In use | 2 days ago    | 30.6 MB | [More]  |
| axllent/mailpit                    | latest     | In use | 2 days ago    | 26.9 MB | [More]  |

At the bottom right of the table, it says 'Showing 8 items'. The top bar of the Docker Desktop window includes icons for red, yellow, green, and blue circles, the title 'saleor-react-storefront — docker-compose - docker compose up — 80x24', and a '26K' badge.



```
version: "3"

services:
  saleor-app-checkout:
    container_name: saleor-app-checkout
    build:
      context: .
      dockerfile: Dockerfile.base
    args:
      - SALEOR_API_URL=http://localhost:8000/graphql/ # handled by nginx
      - CHECKOUT_APP_URL=http://localhost:3001
      - CHECKOUT_STOREFRONT_URL=http://localhost:3001/checkout-spa/
      - CLOUD_DEPLOYMENT_URL=
    ports:
      - 3001:3001
    command: pnpm turbo run start --filter=saleor-app-checkout...
  storefront:
    container_name: storefront
    build:
      context: .
      dockerfile: Dockerfile.base
    args:
      - SALEOR_API_URL=http://localhost:8000/graphql/ # handled by nginx
      - STOREFRONT_URL=http://localhost:3000
      - CHECKOUT_APP_URL=http://localhost:3001
      - CHECKOUT_STOREFRONT_URL=http://localhost:3001/checkout-spa/
      - CLOUD_DEPLOYMENT_URL=
    ports:
      - 3000:3000
    command: sh -c '(nginx &) && pnpm turbo run start --filter=storefront...'
```

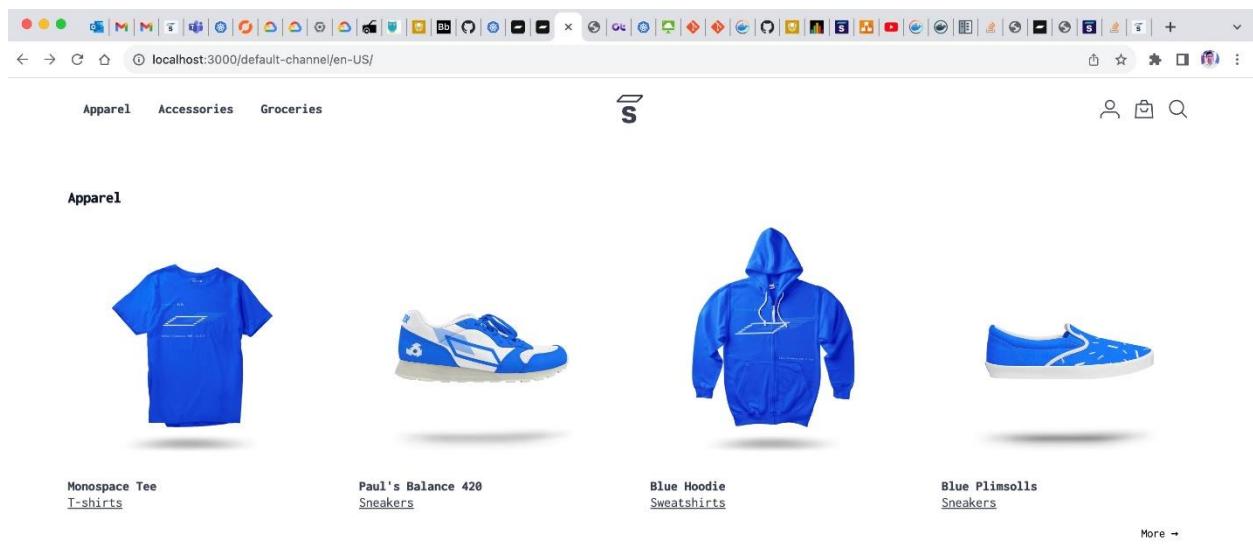
```
 docker-compose.yml

services:
  saleor-app-checkout:
    container_name: saleor-app-checkout
    build:
      context: .
      dockerfile: Dockerfile.base
    args:
      - SALEOR_API_URL=http://localhost:8000/graphql/ # handled by nginx
      - CHECKOUT_APP_URL=http://localhost:3009
      - CHECKOUT_STOREFRONT_URL=http://localhost:3009/checkout-spa/
      - CLOUD_DEPLOYMENT_URL=
    ports:
      - 3009:3009
    command: pnpm turbo run start --filter=saleor-app-checkout...
  storefront:
    container_name: storefront
    build:
      context: .
      dockerfile: Dockerfile.base
    args:
      - SALEOR_API_URL=http://localhost:8000/graphql/ # handled by nginx
      - STOREFRONT_URL=http://localhost:3000
      - CHECKOUT_APP_URL=http://localhost:3009
      - CHECKOUT_STOREFRONT_URL=http://localhost:3009/checkout-spa/
      - CLOUD_DEPLOYMENT_URL=
    ports:
      - 3000:3000
    command: sh -c '(nginx &) && pnpm turbo run start --filter=storefront...'
```

```
saleorAPI — node /opt/homebrew/bin/saleor storefront create --demo — 8...
[1/1] ✓ Organization · don
[1/1] ✓ Select Project · Saleor-demo
[1/1] ✓ Select the database template · sample
[1/1] ✓ Select a Saleor version · Saleor 3.15.4 – Sandbox 3.15.4 – SANDBOX
[1/1] ✓ Environment name · saleor-demo-fzs7v87z
[1/1] ✓ Environment domain · saleor-demo-fzs7v87z
[1/1] ✓ Would you like to enable dashboard access (y/N) · yes
[1/1] ✓ Dashboard admin email · ranuldeelaka21@gmail.com
[1/1] ✓ Would you like to restrict your Environment API with Basic Auth? (y/N) · no
[1/1] Creating a new environment...

progress [██████████] 33%
[1/1] 🎉 If you see yourself working on tools like this one, Saleor is looking
      for great educators and DevRel engineers.

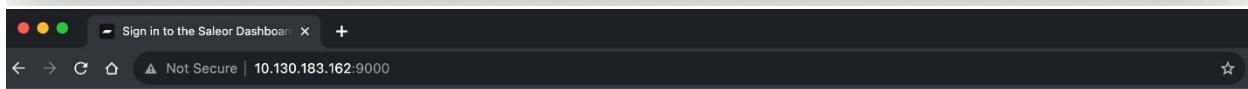
Contact us directly at careers@saleor.io or DM on LinkedIn.
```



A screenshot of a Mac OS X terminal window titled 'saleor-dashboard — npm i TERM\_PROGRAM=Apple\_Terminal SHELL=/bin...'. The window shows a series of 'npm WARN EBADENGINE Unsupported engine' messages. The messages indicate that the package 'saleor-dashboard@3.16.0-dev' requires Node.js version 18 or higher and npm version 7 or higher, but the current environment has Node.js v20.6.0 and npm v9.8.1. The terminal window also shows some other command-line history and a scroll bar.

```
Last login: Sat Sep  9 02:17:21 on ttys005
[ranuldeelaka@Ranuls-MacBook-Air saleor-dashboard % npm i
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: 'saleor-dashboard@3.16.0-dev',
npm WARN EBADENGINE   required: { node: '>=18 <19', npm: '>=7' },
npm WARN EBADENGINE   current: { node: 'v20.6.0', npm: '9.8.1' }
npm WARN EBADENGINE }
```

```
saleor-dashboard — esbuild < npm run dev TERM_PROGRAM=Apple_Ter...  
  
> saleor-dashboard@3.16.0-dev build-types  
> node scripts/build-types.js  
  
✓ Parse Configuration  
✓ Generate outputs  
  
> saleor-dashboard@3.16.0-dev dev  
> vite --host  
  
WARN Failed to resolve dependency: esm-dep > cjs-dep, present in 'optimizeDeps  
.include'  
  
Port 9000 is in use, trying another one... 02:33:43  
02:33:43  
VITE v3.2.7 ready in 545 ms 02:33:43  
02:33:43  
→ Local: http://localhost:9001/ 02:33:43  
→ Network: http://10.130.183.162:9001/ 02:33:43
```



Sign In

(

[Forgot password?](#)

Task 4: Architecture Visualization [20]

1. Present an architecture diagram that encapsulates the essential functionalities of each Saleor service, accompanied by their interactions within the stack. You have the creative freedom to choose diagram style and tools that best convey your design, with the understanding that clarity and conciseness are pivotal. The architecture diagram should encompass the following aspects:
  - Illustrate the volumes and networks utilized by different Saleor services.
  - Depict how the different Saleor services communicate with each other.
  - Highlight the exposed ports associated with each container.

