



Azure Kubernetes Services (AKS)

Project: **Grocery Management Web Application on Kubernetes.**

Azure Services: **Azure Kubernetes Service (AKS), Load Balancer, VMSS.**

External Services: **Docker, Git-Hub repository, Apache2, MariaDB, PHP and PHP MY-SQLI library.**

Web application:

1. Frontend: HTML, CSS, Java Script,
2. Backend: PHP,
3. Database: MariaDB,
4. Service: apache2.

Group Members:

1. Tejas Kapade,
2. Srushti Bidaye.

Content Covered in 6 Topics:

1. Starting Kubernetes (AKS) services, and making connection,
2. Deploying YAML file for Ubuntu and Database images using docker,
3. Installing important libraries and packages inside ubuntu image,
4. Downloading our web application from git-hub inside ubuntu image.
5. Deploying SQL DUMP file inside Database image to create tables and data,
6. Starting apache2 service.

Information: Every content of this project including web-application is genuine and created by us and we DON'T Followed any You-tube video or any resources for making this project, Thank-you.

Step-By-Step Explanation:

Topic 1: Starting Kubernetes (AKS) services, and making connection

1. We will start from making Kubernetes cluster.

The screenshot shows the Microsoft Azure portal interface for managing Kubernetes services. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. Below the navigation is a breadcrumb trail: Home > Kubernetes services. The main content area is titled "Kubernetes services" and displays a message: "No Kubernetes services to display". It includes a brief description of the Azure Kubernetes Service and a "Create" button. The interface features a dark theme with light-colored cards for different service types like "Create a Kubernetes cluster", "Add a Kubernetes cluster with Azure Arc", and "Create an AKS hybrid cluster (preview)".

The screenshot shows the "Create Kubernetes cluster" wizard on the "Basics" step. The top navigation bar and breadcrumb trail are identical to the previous screenshot. The main content area is titled "Create Kubernetes cluster". It has tabs for "Basics", "Node pools", "Networking", "Integrations", "Advanced", "Tags", and "Review + create". The "Basics" tab is selected. A descriptive text explains the benefits of using AKS. Below it, there are fields for "Subscription" (set to "Azure for Students") and "Resource group" (set to "(New) Grocy-Here-RG"). A "Cluster preset configuration" dropdown is set to "Dev/Test". At the bottom are navigation buttons: "< Previous", "Next : Node pools >", and a prominent blue "Review + create" button. A "Give feedback" link is also present.

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com... DEFAULT DIRECTORY (TEJASKAP...) Home > Kubernetes services > Create Kubernetes cluster ...

Basics Node pools Networking Integrations Advanced Tags Review + create

Node pools

In addition to the required primary node pool configured on the Basics tab, you can also add optional node pools to handle a variety of workloads [Learn more about node pools](#)

+ Add node pool Delete

Name	Mode	Node size	OS SKU	Node count
grocypool	System	Standard_DS2_v2 (change)	AzureLinux	1 - 2

Enable virtual nodes

Virtual nodes allow burstable scaling backed by serverless Azure Container Instances. [Learn more about virtual nodes](#)

Enable virtual nodes

Node pool OS disk encryption

By default, all disks in AKS are encrypted at rest with Microsoft-managed keys. For additional control over encryption, you can

< Previous Next : Networking > Review + create Give feedback https://go.microsoft.com/fwlink/?linkid=2016182

2. We select None for Network policy to allow all traffic.

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com... DEFAULT DIRECTORY (TEJASKAP...) Home > Kubernetes services > Create Kubernetes cluster ...

Virtual nodes subnet * (new) virtual-node-aci (10.239.0.0/16)

Kubernetes service address range * 10.0.0.0/16

Kubernetes DNS service IP address * 10.0.0.10

DNS name prefix * grocypoolcluster-dns

Network policy None Allow all ingress and egress traffic to the pods
 Calico Open-source networking solution. Best for large-scale deployments with strict security requirements
 Azure Native networking solution. Best for simpler deployments with basic security and networking requirements
 Calico network policy is recommended for dev/test configuration.

Load balancer Standard

< Previous Next : Integrations > Review + create Give feedback https://go.microsoft.com/fwlink/?linkid=2016182

3. Alerting is enabled with specified Email address will be used to notify me.

The screenshot shows the 'Create Kubernetes cluster' wizard in the Microsoft Azure portal. The 'Alerting' section is open, showing that 'Enable recommended alert rules' is checked. Under 'Alert rules', there is a section titled 'Alert me if' with two items: 'CPU Usage Percentage is greater than 95%' and 'Memory Working Set Percentage is greater than 100%'. Below this is a 'Notify me by' section with one item: 'Email: tejaskapadeapp90@gmail.com'. At the bottom of the alerting section, there is an 'Azure Policy' section with a note about applying at-scale enforcements and safeguards for AKS clusters. It shows 'Azure Policy' status as 'Disabled' and includes a note that it is recommended for dev/test configuration. At the bottom of the page are navigation buttons: '< Previous', 'Next : Advanced >', 'Review + create' (which is highlighted in blue), and 'Give feedback'.

The screenshot shows the 'Overview' page for a Kubernetes deployment named 'microsoft.aks-20231015130523'. The deployment status is shown as 'Deployment is in progress'. Deployment details include: Deployment name: microsoft.aks-20231015130523, Subscription: Azure for Students, Resource group: Grocy-Here-RG. The deployment started at 10/15/2023, 1:09:58 PM. A 'Deployment in progress...' notification is visible on the right, stating 'Deployment to resource group 'Grocy-Here-RG' is in progress.' and 'Running X'. The deployment status table shows 'No results.' under the columns 'Resource', 'Type', and 'Status'. At the bottom of the page, there are links for 'Give feedback' and 'Tell us about your experience with deployment'.

4. Let's connect to AKS

grocyherecluster Kubernetes service

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Microsoft Defender for Cloud

Kubernetes resources

- Namespaces
- Workloads
- Services and ingresses
- Storage
- Configuration
- Custom resources
- Events
- Run command

Properties

Resource group : [Grocy-Here-RG](#)

Status : Succeeded (Running)

Location : Central India

Subscription : [Azure for Students](#)

Subscription ID : 8cdfb4e4-0e7b-4752-8af8-ebe02ce7af44

Tags (edit) : [Add tags](#)

Kubernetes services

Encryption type	Encryption at-rest with a platform-managed key
Virtual node pools	Enabled

Node pools

Node pools	1 node pool
Kubernetes versions	1.26.6
Node sizes	Standard_DS2_v2

Networking

API server address	grocyherecluster-dns-sd6mwpfc.hcp.centralindia.azmk8s.io
Network type (plugin)	Azure CNI
Pod CIDR	-
Service CIDR	10.0.0.0/16
DNS service IP	10.0.0.10
Docker bridge CIDR	-

We will copy both commands to authentication in CLI.

grocyherecluster Kubernetes service

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Microsoft Defender for Cloud

Kubernetes resources

- Namespaces
- Workloads
- Services and ingresses
- Storage
- Configuration
- Custom resources
- Events
- Run command

Connect to grocyherecluster

Cloud shell Azure CLI

Connect to your cluster using command line tooling to interact directly with cluster using kubectl, the command line tool for Kubernetes. Kubectl is available within the Azure Cloud Shell by default and can also be installed locally.

Set cluster context

- 1 [Open Cloud Shell](#)
- 2 [Run the following commands](#)

Set the cluster subscription

```
az account set --subscription 8cdfb4e4-0e7b-4752-8af8-ebe02ce7af44
```

Download cluster credentials

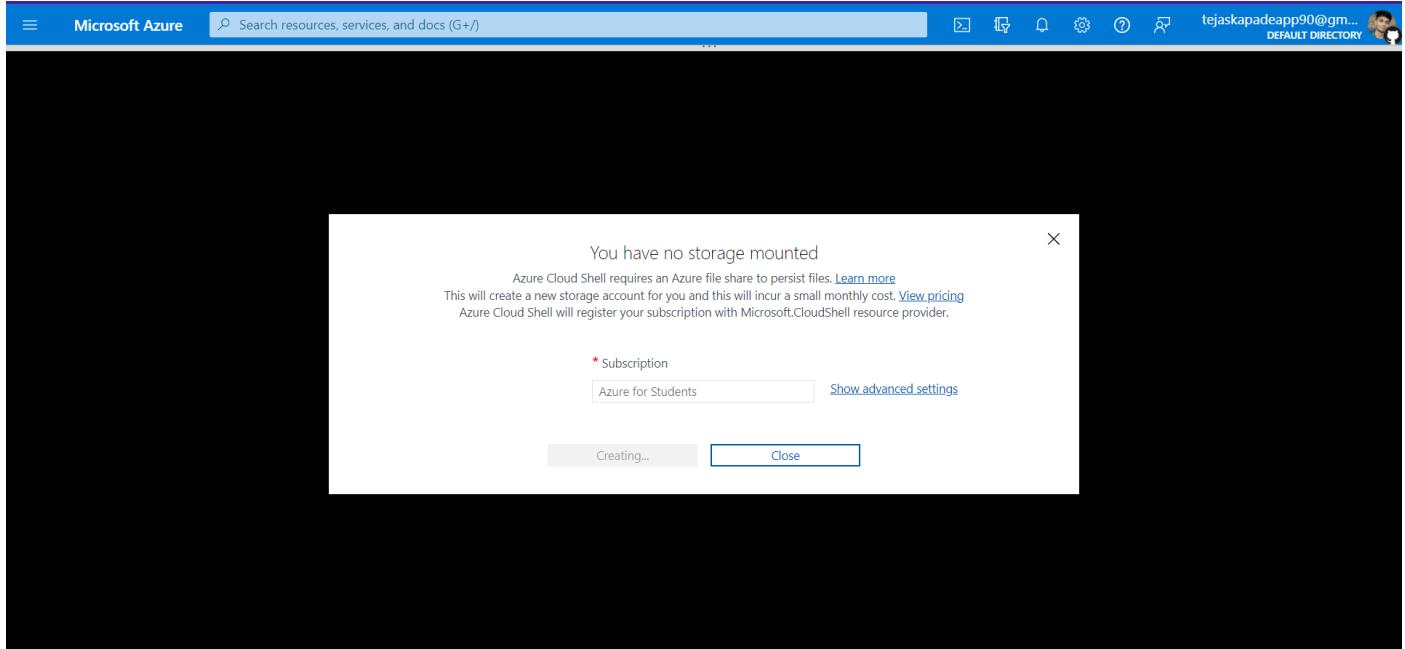
```
az aks get-credentials --resource-group Grocy-Here-RG --name grocyherecluster
```

Sample commands

Once you have run the command above to connect to the cluster, you can run any kubectl commands. Here are a few examples of useful commands you can try.

Close

5. We will start shell inside Azure portal using storage.

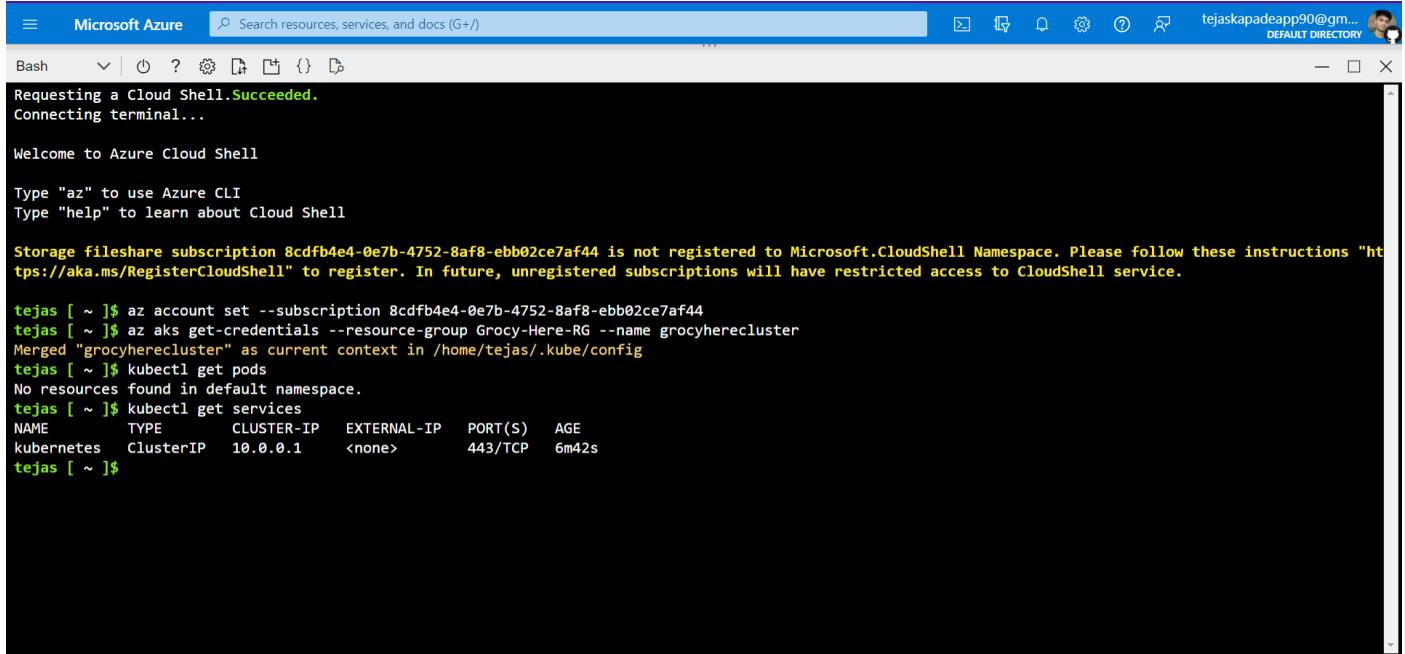


6. We will paste those 2 commands to connect it with my subscription and Kubernetes cluster.

A screenshot of the Azure Cloud Shell terminal window. The title bar shows "Bash". The terminal output is as follows:

```
Bash
Requesting a Cloud Shell.Succeeded.
Connecting terminal...
Welcome to Azure Cloud Shell
Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell
Storage fileshare subscription 8cdfb4e4-0e7b-4752-8af8-ebe02ce7af44 is not registered to Microsoft.CloudShell Namespace. Please follow these instructions "https://aka.ms/RegisterCloudShell" to register. In future, unregistered subscriptions will have restricted access to CloudShell service.
tejas [ ~ ]$ az account set --subscription 8cdfb4e4-0e7b-4752-8af8-ebe02ce7af44
tejas [ ~ ]$ az aks get-credentials --resource-group Grocy-Here-RG --name grocyherecluster
Merged "grocyherecluster" as current context in /home/tejas/.kube/config
tejas [ ~ ]$
```

7. Let's see services and pods, we will see default service.



The screenshot shows a Microsoft Azure Cloud Shell interface. The title bar says "Microsoft Azure" and "Bash". A search bar at the top right contains the placeholder "Search resources, services, and docs (G+ /)". On the far right, it shows the user "tejaskapadeapp90@gmail.com" and "DEFAULT DIRECTORY". The main area is a terminal window with the following content:

```
Requesting a Cloud Shell. Succeeded.
Connecting terminal...
Welcome to Azure Cloud Shell

Type "az" to use Azure CLI
Type "help" to learn about Cloud Shell

Storage fileshare subscription 8cdfb4e4-0e7b-4752-8af8-ebb02ce7af44 is not registered to Microsoft.CloudShell Namespace. Please follow these instructions "https://aka.ms/RegisterCloudShell" to register. In future, unregistered subscriptions will have restricted access to CloudShell service.

tejas [ ~ ]$ az account set --subscription 8cdfb4e4-0e7b-4752-8af8-ebb02ce7af44
tejas [ ~ ]$ az aks get-credentials --resource-group Grocy-Here-RG --name grocyherecluster
Merged "grocyherecluster" as current context in /home/tejas/.kube/config
tejas [ ~ ]$ kubectl get pods
No resources found in default namespace.
tejas [ ~ ]$ kubectl get services
NAME      TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)    AGE
kubernetes  ClusterIP  10.0.0.1    <none>        443/TCP   6m42s
tejas [ ~ ]$
```

Topic 2: Deploying YAML file for Ubuntu and Database images using docker

Steps:

1. We created my-mariadb image inside docker. Using command: 'docker push tejaskapade/my-mariadb:latest'

The screenshot shows the Docker Hub interface for the repository 'tejaskapade / my-mariadb'. The repository has two tags: 'v2' and 'latest'. The 'Docker commands' section contains the command 'docker push tejaskapade/my-mariadb:tagname'. The 'Tags' section lists the two tags with their respective pushed and pulled times. The 'Automated Builds' section is available with Pro, Team and Business subscriptions.

Tag	OS	Type	Pulled	Pushed
v2		Image	2 days ago	2 days ago
latest		Image	18 hours ago	6 days ago

2. Let's deploy yaml file for mariadb image inside Kubernetes:

The screenshot shows a Microsoft Azure Cloud Shell terminal session. The user is in a Bash environment and has run the command 'code grocy-database-deployment.yaml'. The terminal window includes various icons for file operations and a status bar at the top.

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com DEFAULT DIRECTORY

Bash grocy-database-deployment.yaml ●

```
1 apiVersion: apps/v1
2 kind: Deployment
3 metadata:
4   name: grocy-database-deployment
5 spec:
6   replicas: 1
7   selector:
8     matchLabels:
9       app: grocy-database
10  template:
11    metadata:
12      labels:
13        app: grocy-database
14    spec:
15      containers:
16        - name: grocy-database
17          image: tejaskapade/my-mariadb:latest
18          env:
19            - name: MYSQL_ROOT_PASSWORD
20              value: "989878"
21            - name: MYSQL_DATABASE
22              value: "GROCERY"
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
```

tejas [~]\$
tejas [~]\$
tejas [~]\$
tejas [~]\$ code grocy-database-deployment.yaml
tejas [~]\$

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com DEFAULT DIRECTORY

Bash grocy-database-deployment.yaml ●

```
16
17   name: grocy-database
18   image: tejaskapade/my-mariadb:latest
19   env:
20     - name: MYSQL_ROOT_PASSWORD
21       value: "989878"
22     - name: MYSQL_DATABASE
23       value: "GROCERY"
24   ports:
25     - containerPort: 3306
26
27
28
29
30
31
32
33
34
35
36
37
```

tejas [~]\$
tejas [~]\$
tejas [~]\$
tejas [~]\$ code grocy-database-deployment.yaml
tejas [~]\$

3. Lets apply it and see the pods:

A screenshot of the Microsoft Azure Cloud Shell interface. The terminal window shows a Bash session. The user has run several commands to deploy a database pod:

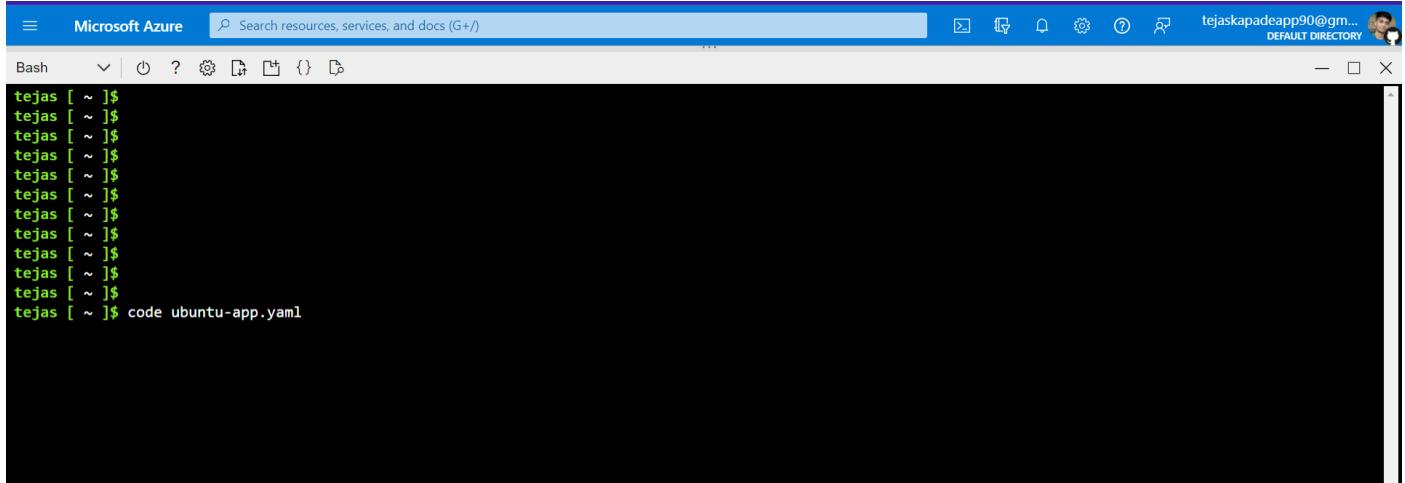
```
tejas [ ~ ]$ code grocy-database-deployment.yaml
tejas [ ~ ]$ kubectl apply -f grocy-database-deployment.yaml
deployment.apps/grocy-database-deployment created
service/grocy-database-service created
tejas [ ~ ]$ kubectl get pods
NAME                      READY   STATUS        RESTARTS   AGE
grocy-database-deployment-54bfbfffc86-hq9gt   0/1     ContainerCreating   0          8s
tejas [ ~ ]$
```

4. We can see the database pod is running now.

A screenshot of the Microsoft Azure Cloud Shell interface. The terminal window shows a Bash session. The user has run commands to check the status of services and pods:

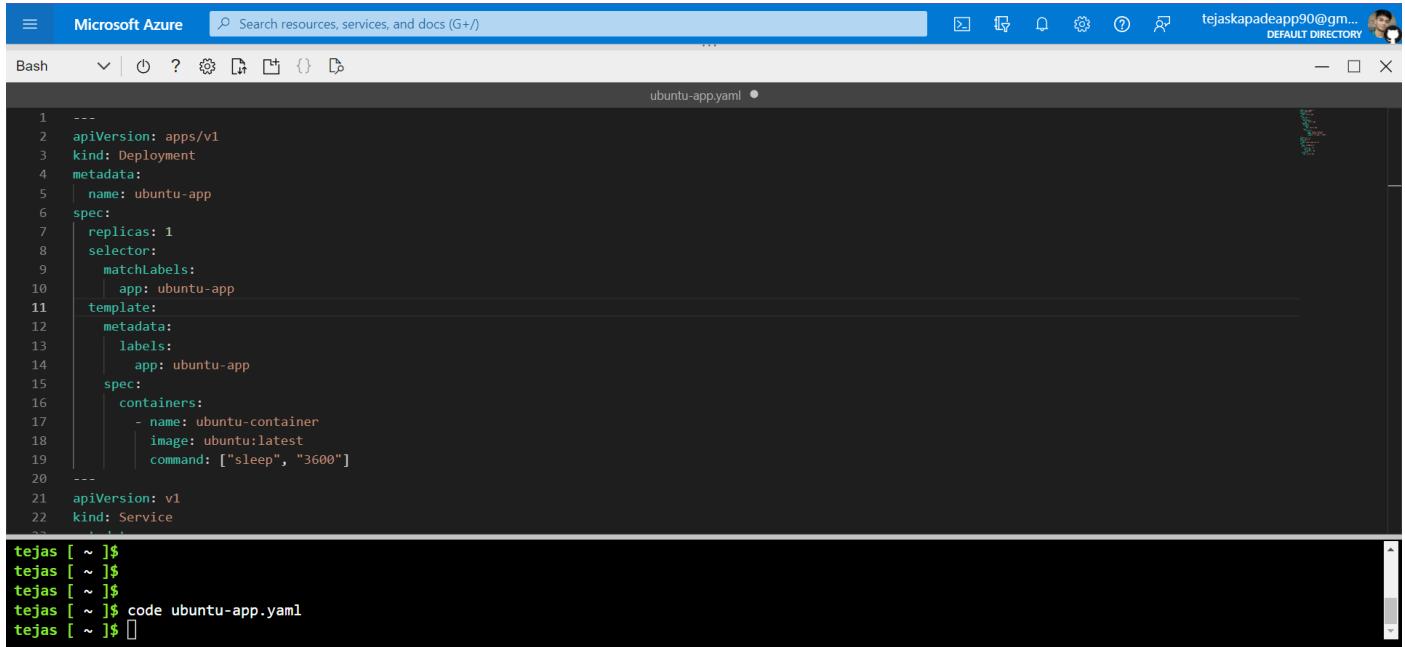
```
tejas [ ~ ]$ kubectl get services
NAME           TYPE      CLUSTER-IP   EXTERNAL-IP   PORT(S)   AGE
grocy-database-service   ClusterIP  10.0.223.82 <none>       3306/TCP  46s
kubernetes     ClusterIP  10.0.0.1    <none>       443/TCP   10m
tejas [ ~ ]$ kubectl get pods
NAME                      READY   STATUS    RESTARTS   AGE
grocy-database-deployment-54bfbfffc86-hq9gt   1/1     Running   0          50s
tejas [ ~ ]$
```

5. Now let's repeat same process for installing image of Ubuntu.



```
tejas [ ~ ]$  
tejas [ ~ ]$ code ubuntu-app.yaml
```

6. We created this yaml file to get official ubuntu image from docker:



```
1 ---  
2 apiVersion: apps/v1  
3 kind: Deployment  
4 metadata:  
5 | name: ubuntu-app  
6 spec:  
7 | replicas: 1  
8 | selector:  
9 | | matchLabels:  
10 | | | app: ubuntu-app  
11 template:  
12 | metadata:  
13 | | labels:  
14 | | | app: ubuntu-app  
15 | spec:  
16 | | containers:  
17 | | | - name: ubuntu-container  
18 | | | | image: ubuntu:latest  
19 | | | | command: ["sleep", "3600"]  
20 ---  
21 apiVersion: v1  
22 kind: Service  
23 ---  
tejas [ ~ ]$  
tejas [ ~ ]$  
tejas [ ~ ]$  
tejas [ ~ ]$ code ubuntu-app.yaml  
tejas [ ~ ]$
```

7. Also configured Load Balance on port 80 to enable traffic.

The screenshot shows a Microsoft Azure Cloud Shell interface. The top bar includes the Microsoft Azure logo, a search bar, and user information (tejaskapadeapp90@gmail.com). The main area is a terminal window titled 'Bash'. It displays the contents of a YAML file named 'ubuntu-app.yaml' which defines a deployment and a service. The deployment 'ubuntu-app' has one container 'ubuntu-container' running 'ubuntu:latest' with a command to sleep for 3600 seconds. The service 'ubuntu-app-service' is a LoadBalancer type with a single port mapping from port 80 to targetPort 80, selecting the 'ubuntu-app' deployment. Below the code, the terminal shows the command 'code ubuntu-app.yaml' being run. The bottom part of the terminal shows the user's session history.

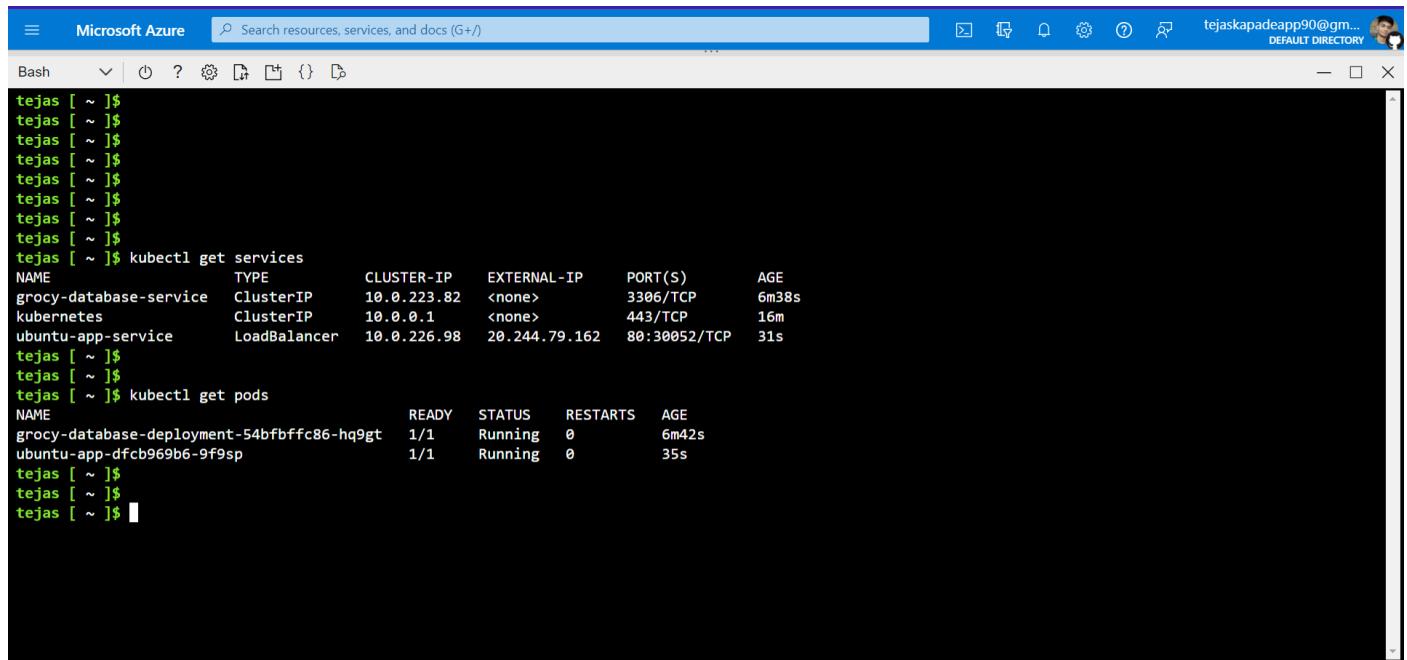
```
14     app: ubuntu-app
15   spec:
16     containers:
17       - name: ubuntu-container
18         image: ubuntu:latest
19         command: ["sleep", "3600"]
20   ...
21 apiVersion: v1
22 kind: Service
23 metadata:
24   name: ubuntu-app-service
25 spec:
26   type: LoadBalancer
27   ports:
28     - protocol: TCP
29       port: 80
30       targetPort: 80
31   selector:
32     app: ubuntu-app
33
tejas [ ~ ]$ tejas [ ~ ]$ tejas [ ~ ]$ tejas [ ~ ]$ code ubuntu-app.yaml
tejas [ ~ ]$
```

8. Now apply the code and see the pods:

The screenshot shows a Microsoft Azure Cloud Shell interface. The terminal window displays the command 'kubectl apply -f ubuntu-app.yaml' being run, followed by the output indicating that a deployment and a service were created. Then, the command 'kubectl get pods' is run, showing two pods: 'grocy-database-deployment-54bfbfffc86-hq9gt' and 'ubuntu-app-dfc969b6-9f9sp'. The first pod is ready with 1/1 containers running, while the second is still creating with 0/1 containers running. The bottom part of the terminal shows the user's session history.

```
tejas [ ~ ]$ kubectl apply -f ubuntu-app.yaml
deployment.apps/ubuntu-app created
service/ubuntu-app-service created
tejas [ ~ ]$ tejas [ ~ ]$ tejas [ ~ ]$ tejas [ ~ ]$ kubectl get pods
NAME                           READY   STATUS            RESTARTS   AGE
grocy-database-deployment-54bfbfffc86-hq9gt   1/1    Running          0          6m11s
ubuntu-app-dfc969b6-9f9sp      0/1    ContainerCreating  0          4s
tejas [ ~ ]$ tejas [ ~ ]$ tejas [ ~ ]$
```

9. Now ubuntu is available and running with external IP address.



The screenshot shows a Microsoft Azure Cloud Shell interface. The terminal window is titled "Bash". The user, "tejas", has run several commands to check the status of services and pods in a Kubernetes cluster. The output includes:

```
tejas [ ~ ]$ 
tejas [ ~ ]$ kubectl get services
NAME           TYPE      CLUSTER-IP   EXTERNAL-IP     PORT(S)        AGE
grocy-database-service  ClusterIP  10.0.223.82  <none>        3306/TCP     6m38s
kubernetes      ClusterIP  10.0.0.1    <none>        443/TCP      16m
ubuntu-app-service  LoadBalancer 10.0.226.98  20.244.79.162  80:30052/TCP  31s
tejas [ ~ ]$ 
tejas [ ~ ]$ 
tejas [ ~ ]$ kubectl get pods
NAME                           READY   STATUS    RESTARTS   AGE
grocy-database-deployment-54bfbfffc86-hq9gt  1/1     Running   0          6m42s
ubuntu-app-dfcb969b6-9f9sp   1/1     Running   0          35s
tejas [ ~ ]$ 
tejas [ ~ ]$ 
tejas [ ~ ]$ 
```

Topic 3: Installing important libraries and packages inside ubuntu image

Steps:

1. Let's execute the command line for ubuntu:

```
tejas [ ~ ]$  
tejas [ ~ ]$  
tejas [ ~ ]$ kubectl exec -it ubuntu-app-dfcfb969b6-9f9sp -- /bin/bash  
root@ubuntu-app-dfcfb969b6-9f9sp:/#  
root@ubuntu-app-dfcfb969b6-9f9sp:/#  
root@ubuntu-app-dfcfb969b6-9f9sp:/#  
root@ubuntu-app-dfcfb969b6-9f9sp:/#  
root@ubuntu-app-dfcfb969b6-9f9sp:/# hostname  
ubuntu-app-dfcfb969b6-9f9sp  
root@ubuntu-app-dfcfb969b6-9f9sp:/#
```

2. After getting inside ubuntu image CLI, now we can install all required packages and libraries:

List of commands as follows:



```
root@ubuntu-app-dfcfb969b6-9f9sp:/# apt update
```



```
root@ubuntu-app-dfc969b6-9f9sp:/# apt install systemctl
```

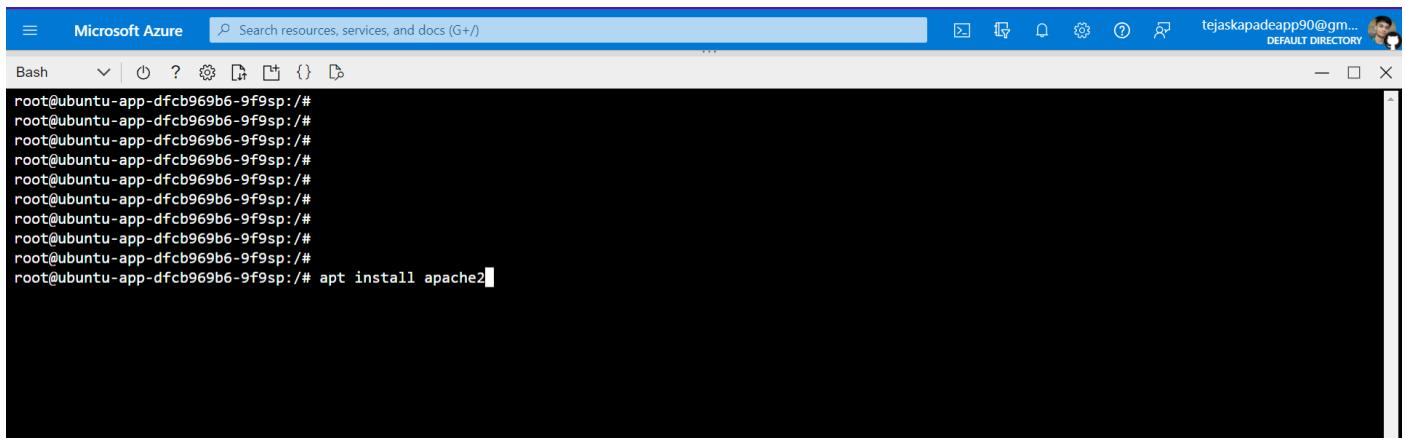
```
root@ubuntu-app-dfcb969b6-9f9sp:/# apt install php
```

```
Setting up perl (5.34.0-3ubuntu1.2) ...
Setting up mailcap (3.70+mmu1ubuntu1) ...
Setting up mime-support (3.66) ...
Setting up apache2-bin (2.4.52-1ubuntu4.6) ...
Setting up php8.1-cli (8.1.2-1ubuntu2.14) ...
update-alternatives: using /usr/bin/php8.1 to provide /usr/bin/php (php) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/php.1.gz because associated file /usr/share/man/man1/php8.1.1.gz (of link group php) doesn't exist
update-alternatives: using /usr/bin/phar8.1 to provide /usr/bin/phar (phar) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/phar.1.gz because associated file /usr/share/man/man1/phar8.1.1.gz (of link group phar) doesn't exist
update-alternatives: using /usr/bin/phar.phar8.1 to provide /usr/bin/phar.phar (phar.phar) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/phar.phar.1.gz because associated file /usr/share/man/man1/phar.phar8.1.1.gz (of link group phar.phar) doesn't exist
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline

Creating config file /etc/php/8.1/cli/php.ini with new version
Setting up libapache2-mod-php8.1 (8.1.2-1ubuntu2.14) ...
Package apache2 is not configured yet. Will defer actions by package libapache2-mod-php8.1.
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline

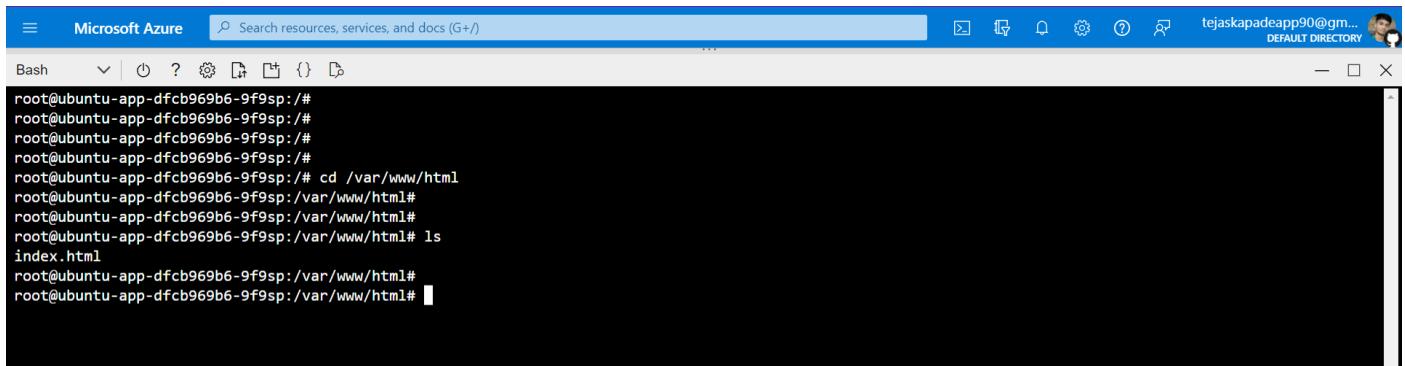
Creating config file /etc/php/8.1/apache2/php.ini with new version
No module matches

Progress: [ 95% ] #####.....
```

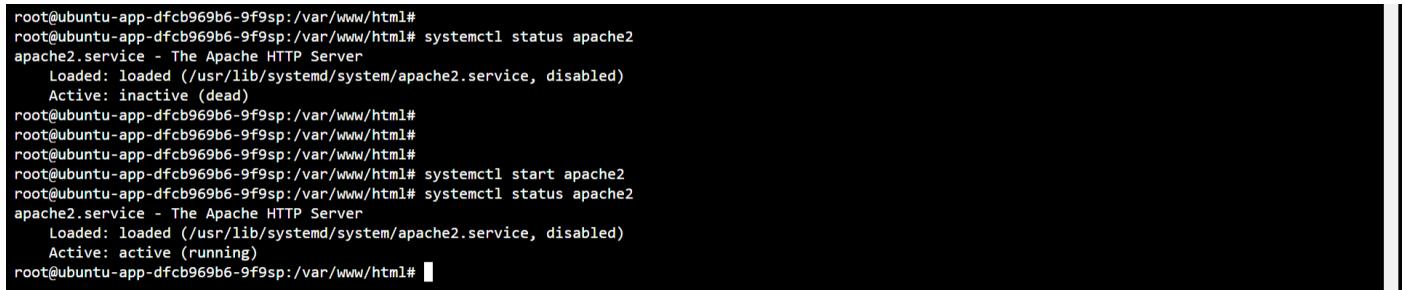


```
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# apt install apache2
```

3. After finally installing apache2, we can now start apache server and see the default web page:



```
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# 
root@ubuntu-app-dfc969b6-9f9sp:/# cd /var/www/html
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# ls
index.html
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
```



```
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# systemctl status apache2
apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service, disabled)
     Active: inactive (dead)
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# systemctl start apache2
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# systemctl status apache2
apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service, disabled)
     Active: active (running)
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
```

Not secure | 20.244.79.162

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

 Apache2 Default Page

Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   '-- ports.conf
|-- mods-enabled
|   '-- *.load
|   '-- *.conf
|-- conf-enabled
|   '-- *.conf
|-- sites-enabled
|   '-- *.conf
```

01:37 PM 15-10-2023

Topic 4: Downloading our web application from git-hub inside ubuntu image.

- Now we will download our web-application from git-hub repository:

We can see there's all required files inside my github repository which I pushed before.

Link: <https://github.com/tejas-kapade/Grocy-Here>

In this link there's also database file which is "SQL DUMP" file to import the required database tables.

Dump file: "**GROCYHERE.sql**"

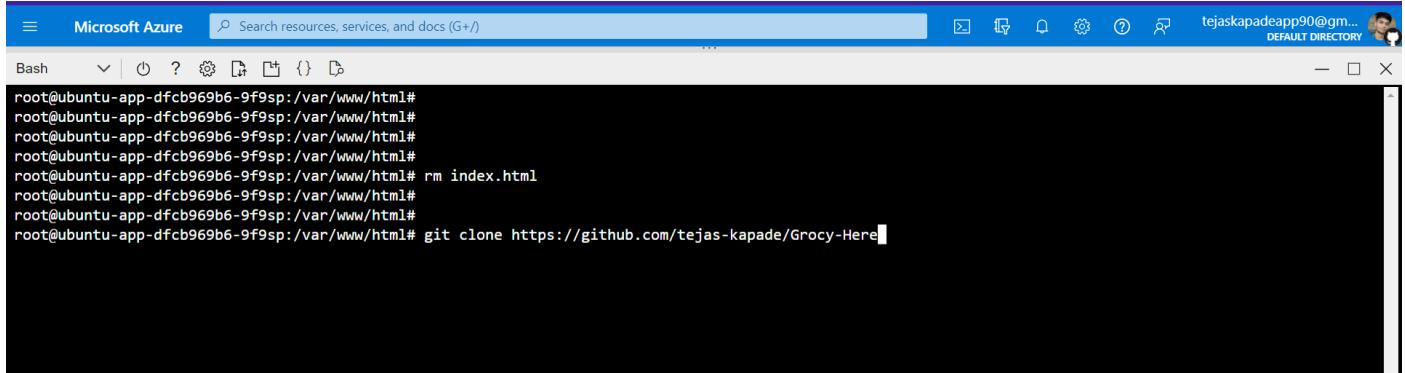
All Web-application code: "Grocery_Management/"

The screenshot shows the GitHub repository page for 'Grocy-Here'. At the top, it displays the repository name 'Grocy-Here' and its status as 'Public'. Below this, there are sections for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Code' section is currently selected. It shows a list of files: '.vs' (db-version 1.2, last week), 'Grocery_Management' (K8s, 16 hours ago), 'AutoConfig.sh' (Add files via upload, last week), and 'GROCYHERE.sql' (db-version 1.2, last week). A note at the bottom encourages adding a README, with a 'Add a README' button. To the right of the code list, there are sections for 'About' (no description, website, or topics provided), 'Activity' (6 commits by Tejas-K90 K8s), 'Releases' (no releases published), and 'Packages' (no packages published). A 'Contributors' section is also present.

The screenshot shows the GitHub file viewer for 'admin.php' located in the 'Grocery_Management' directory. The left sidebar shows the file structure with 'admin.php' selected. The main area displays the PHP code for 'admin.php'. The code connects to a MySQL database using mysqli_connect() and retrieves data from a table named 'register'. The code is as follows:

```
<?php  
// Database configuration  
$dbHost = 'grocy-database-service:3306';  
$dbUsername = 'root';  
$dbPassword = '989878';  
$dbName = 'GROCERY';  
  
// Connect to the database  
$conn = mysqli_connect($dbHost, $dbUsername, $dbPassword, $dbName);  
  
// Check connection  
if (!$conn) {  
    die("Connection failed: " . mysqli_connect_error());  
}  
  
// Retrieve data from the table  
$sql = "SELECT * FROM register";  
$result = $conn->query($sql);  
echo "<ch3> <mark style='background:#4CAF50;color:fff;'>ADMIN PANEL</mark>, Registration Database </h3>";
```

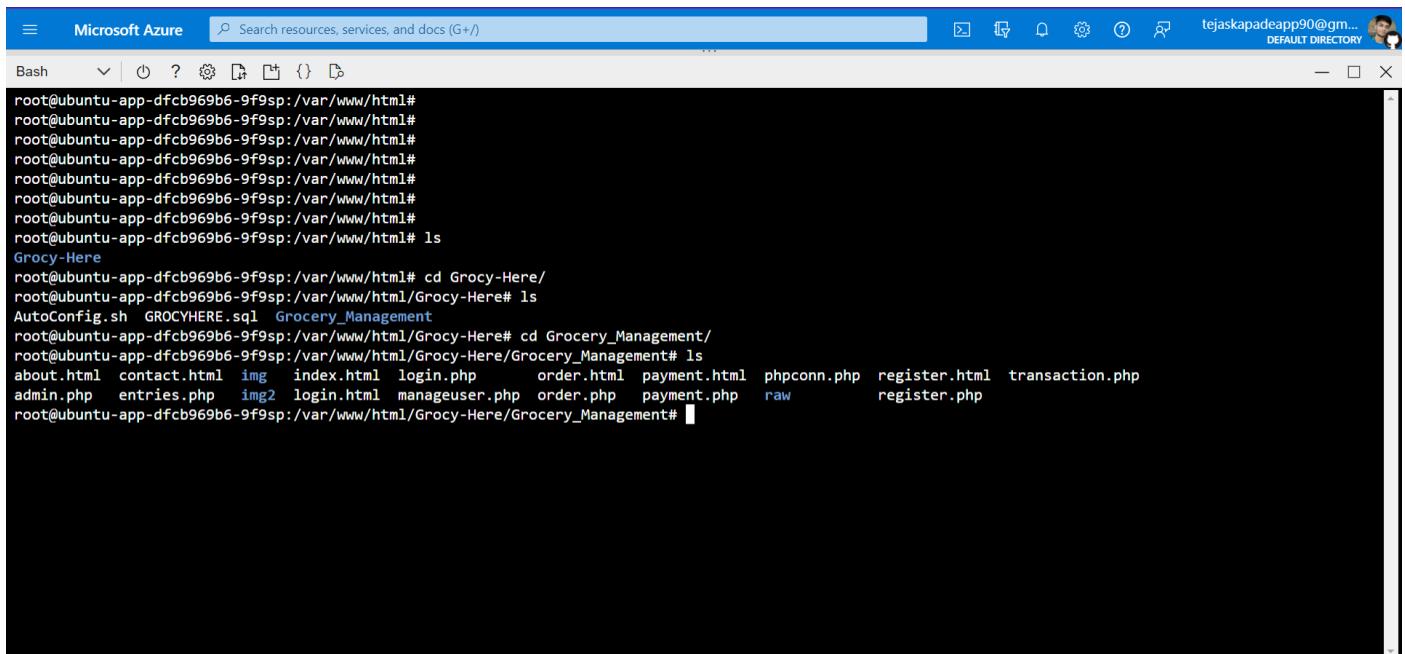
2. Now clone the repository using git clone command:



```
Bash | Search resources, services, and docs (G+)
```

```
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# rm index.html
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# git clone https://github.com/tejas-kapade/Grocy-Here
```

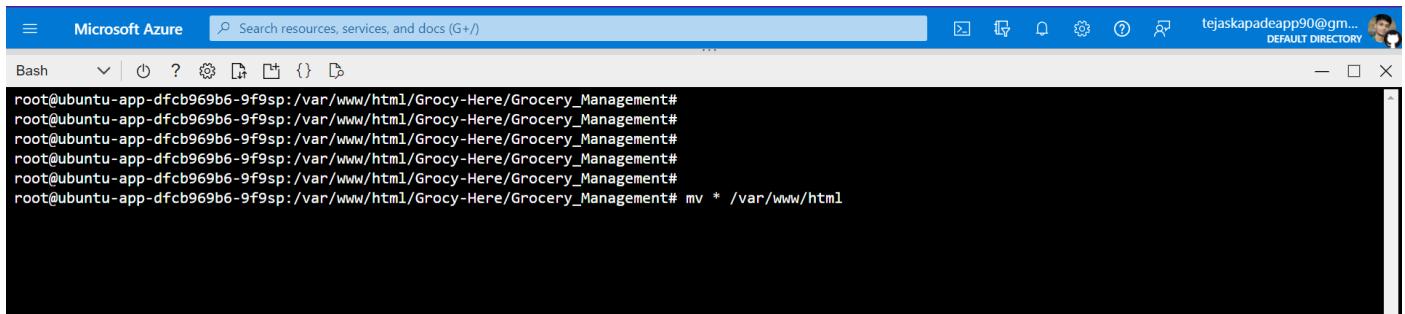
We can now see all files are downloaded inside our ubuntu image:



```
Bash | Search resources, services, and docs (G+)
```

```
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# 
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# ls
Grocy-Here
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# cd Grocy-Here/
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here# ls
AutoConfig.sh GROCYHERE.sql Grocery_Management
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here# cd Grocery_Management/
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management# ls
about.html contact.html img index.html login.php order.html payment.html phpconn.php register.html transaction.php
admin.php entries.php img2 login.html manageuser.php order.php payment.php raw register.php
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management#
```

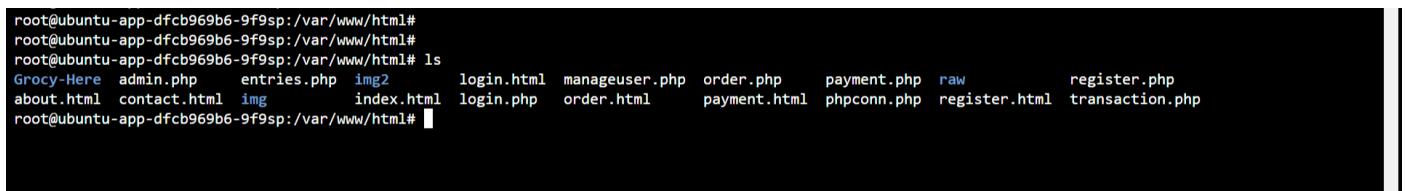
3. We will move this all files inside /var/www/html folder because it is necessary so that apache can run those files:



A screenshot of a Microsoft Azure Cloud Shell terminal window. The title bar says "Microsoft Azure" and "Bash". The search bar says "Search resources, services, and docs (G+)" and the user name is "tejaskapadeapp90@gmail.com". The terminal shows the following command being run:

```
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management# mv * /var/www/html
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html/Grocy-Here/Grocery_Management#
```

4. All set now:



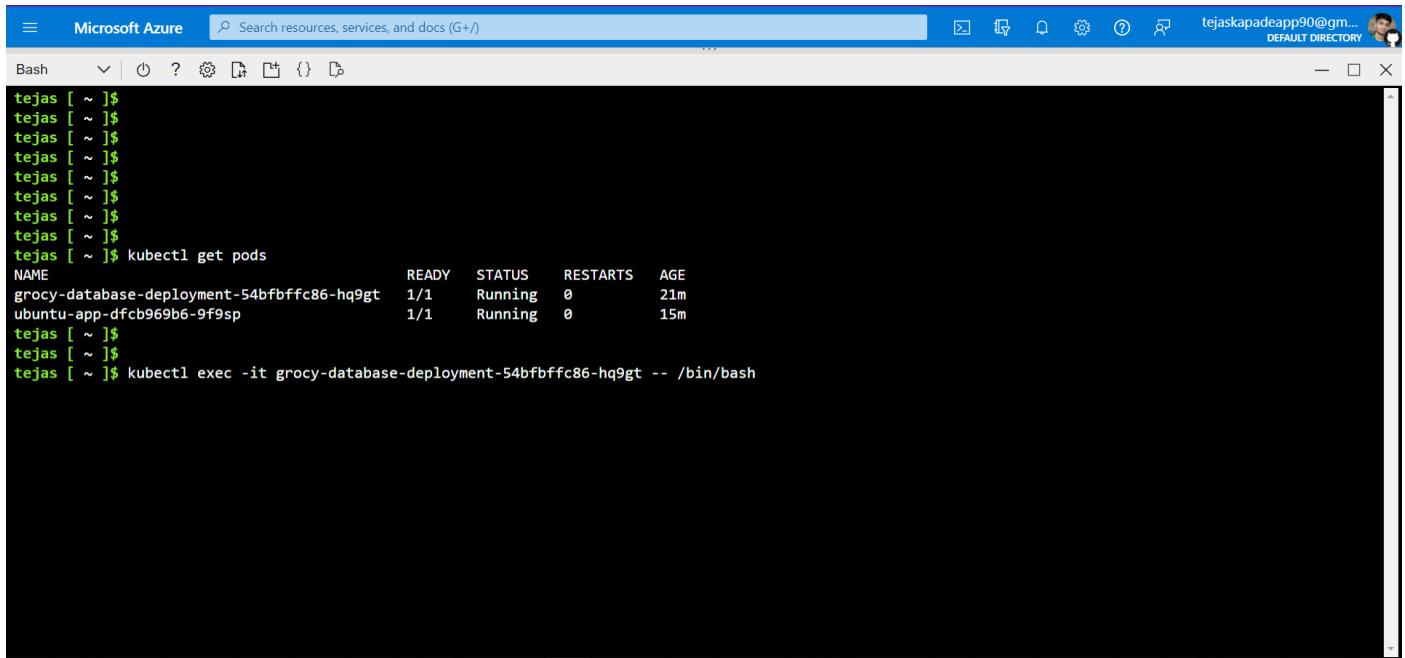
A screenshot of a Microsoft Azure Cloud Shell terminal window. The title bar says "Microsoft Azure" and "Bash". The search bar says "Search resources, services, and docs (G+)" and the user name is "tejaskapadeapp90@gmail.com". The terminal shows the following command being run:

```
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# ls
Grocy-Here admin.php entries.php img2 login.html manageuser.php order.php payment.php raw register.php
about.html contact.html img index.html login.php order.html payment.html phpconn.php register.html transaction.php
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
```

Topic 5: Deploying SQL DUMP file inside Database image to create tables and data

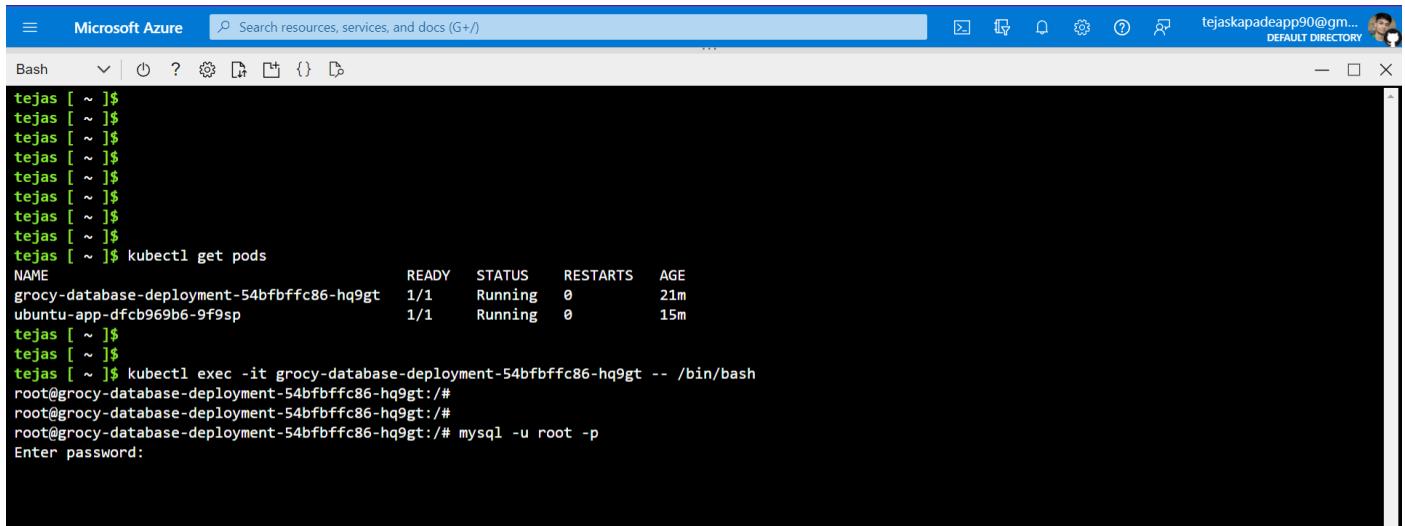
Steps:

1. Let see the pod of database and copy name



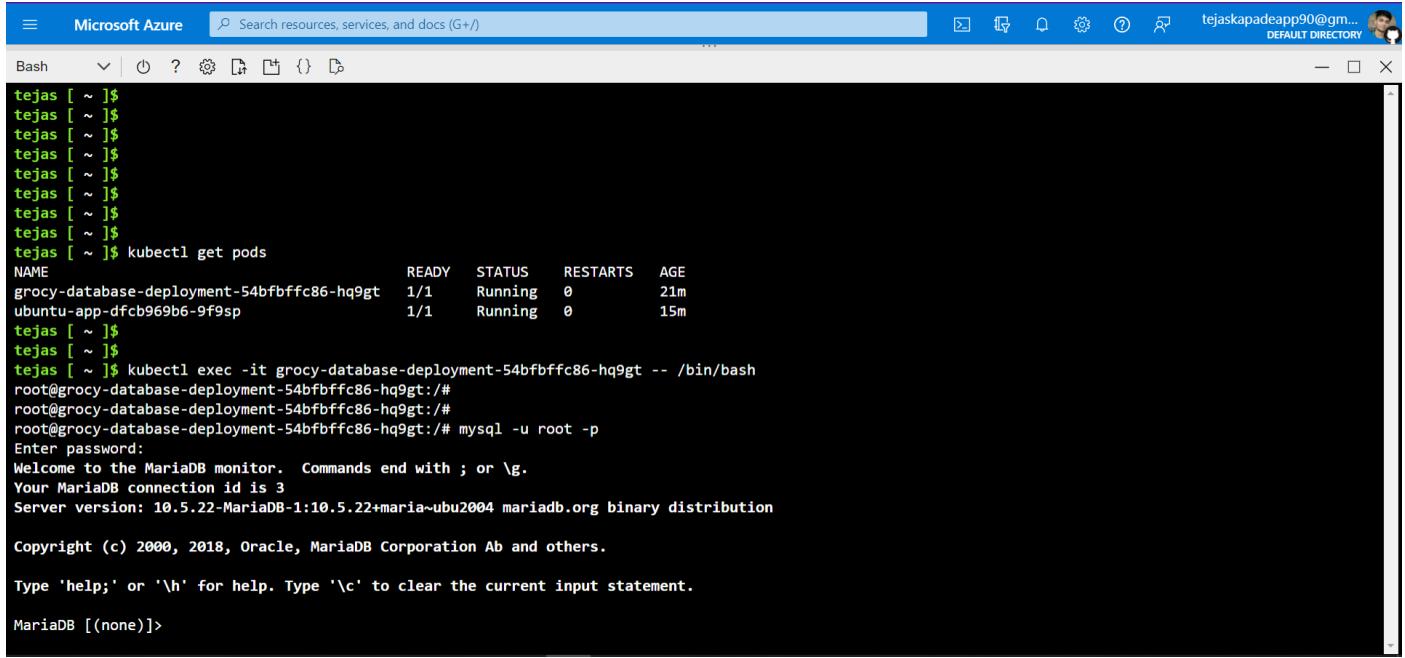
```
tejas [ ~ ]$ kubectl get pods
NAME                  READY   STATUS    RESTARTS   AGE
grocy-database-deployment-54bfbfffc86-hq9gt   1/1     Running   0          21m
ubuntu-app-dfc969b6-9f9sp                      1/1     Running   0          15m
tejas [ ~ ]$ kubectl exec -it grocy-database-deployment-54bfbfffc86-hq9gt -- /bin/bash
```

2. We will execute it's shell /bin/bash and try to access database using mysql command



```
tejas [ ~ ]$ kubectl exec -it grocy-database-deployment-54bfbfffc86-hq9gt -- /bin/bash
root@grocy-database-deployment-54bfbfffc86-hq9gt:#
root@grocy-database-deployment-54bfbfffc86-hq9gt:#
root@grocy-database-deployment-54bfbfffc86-hq9gt:~# mysql -u root -p
Enter password:
```

3. Accessed database using password:



```
tejas [ ~ ]$ 
tejas [ ~ ]$ kubectl get pods
NAME                      READY   STATUS    RESTARTS   AGE
grocy-database-deployment-54bfbfffc86-hq9gt   1/1     Running   0          21m
ubuntu-app-dfcbb969b6-9f9sp                    1/1     Running   0          15m
tejas [ ~ ]$ 
tejas [ ~ ]$ 
tejas [ ~ ]$ kubectl exec -it grocy-database-deployment-54bfbfffc86-hq9gt -- /bin/bash
root@grocy-database-deployment-54bfbfffc86-hq9gt:/#
root@grocy-database-deployment-54bfbfffc86-hq9gt:/# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 10.5.22-MariaDB-1:10.5.22+maria~ubu2004 mariadb.org binary distribution

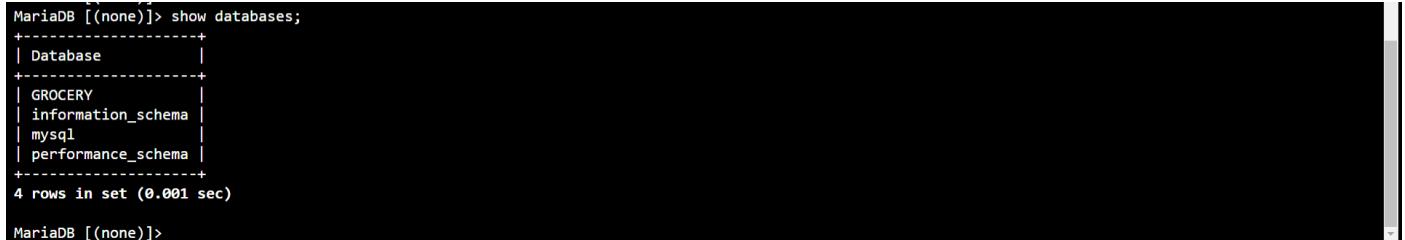
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>

MariaDB [(none)]> show databases;
+-----+
| Database      |
+-----+
| GROCERY       |
| information_schema |
| mysql          |
| performance_schema |
+-----+
4 rows in set (0.001 sec)

MariaDB [(none)]>
```

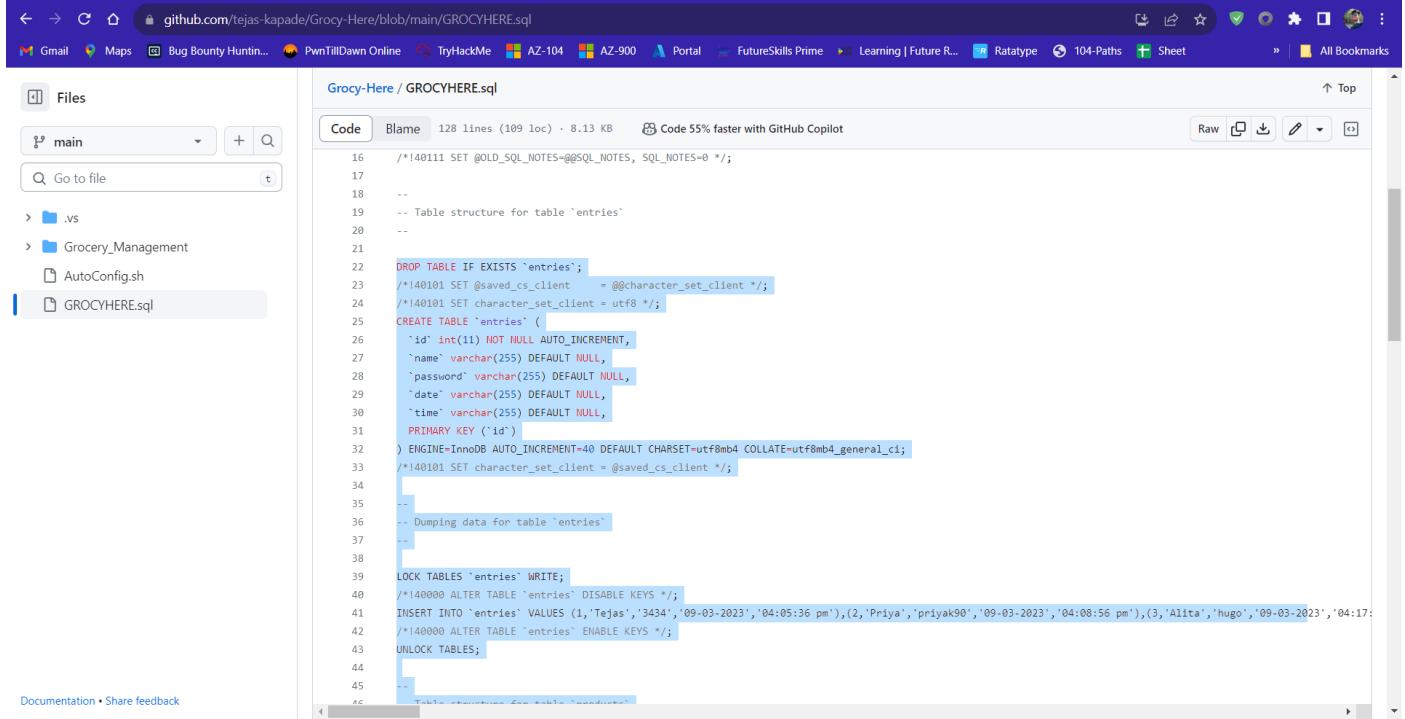


4. There's no tables or any kind of data inside our GROCERY database, we will now try to input that data.

```
MariaDB [(none)]> use GROCERY;
Database changed
MariaDB [GROCERY]> show tables;
Empty set (0.000 sec)

MariaDB [GROCERY]> 
```

5. In our git-hub repository there is GROCYHERE.sql file which is sql dump file,
 We will copy that dump file which is nothing but a set of queries to create tables and insert some data.



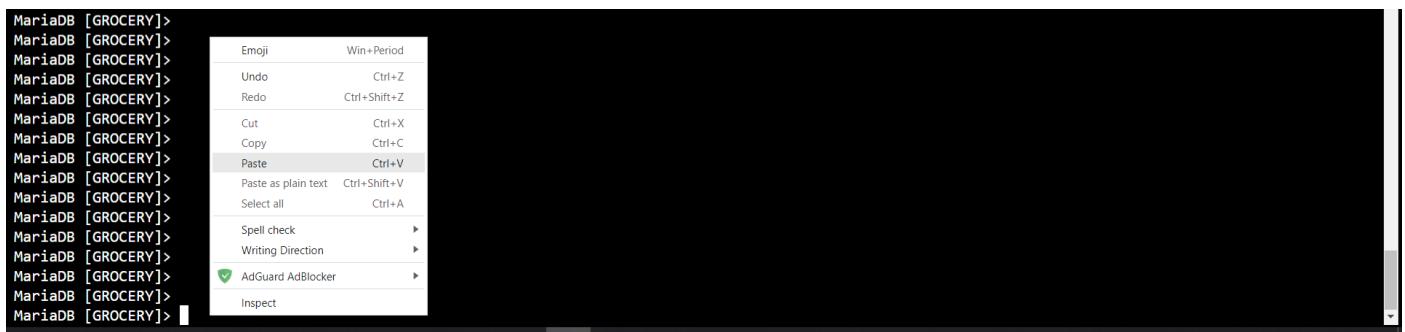
The screenshot shows a GitHub page for the file `GROCYHERE.sql`. The file contains SQL code to create a table named `entries` and insert data into it. The code includes comments explaining the table structure and data insertion. The GitHub interface shows the file size as 128 lines (109 loc) and 8.13 KB. There are tabs for Code, Blame, and Raw, along with various GitHub features like Copilot and a code editor interface.

```

16 /*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
17 --
18 -- Table structure for table `entries`.
19 --
20 --
21 DROP TABLE IF EXISTS `entries`;
22 /*!40101 SET @saved_cs_client      = @@character_set_client */;
23 /*!40101 SET character_set_client = utf8 */;
24 CREATE TABLE `entries` (
25   `id` int(11) NOT NULL AUTO_INCREMENT,
26   `name` varchar(255) DEFAULT NULL,
27   `password` varchar(255) DEFAULT NULL,
28   `date` varchar(255) DEFAULT NULL,
29   `time` varchar(255) DEFAULT NULL,
30   PRIMARY KEY (`id`)
31 ) ENGINE=InnoDB AUTO_INCREMENT=40 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci;
32 /*!40101 SET character_set_client = @saved_cs_client */;
33 --
34 --
35 -- Dumping data for table `entries`.
36 --
37 --
38 LOCK TABLES `entries` WRITE;
39 /*!40000 ALTER TABLE `entries` DISABLE KEYS */;
40 INSERT INTO `entries` VALUES (1,'Tejas','3434','09-03-2023','04:05:36 pm'),(2,'Priya','priyak90','09-03-2023','04:08:56 pm'),(3,'Alita','hugo','09-03-2023','04:17:17');
41 /*!40000 ALTER TABLE `entries` ENABLE KEYS */;
42 UNLOCK TABLES;
43 --
44 --
45 -- Table structure for table `grocery`...

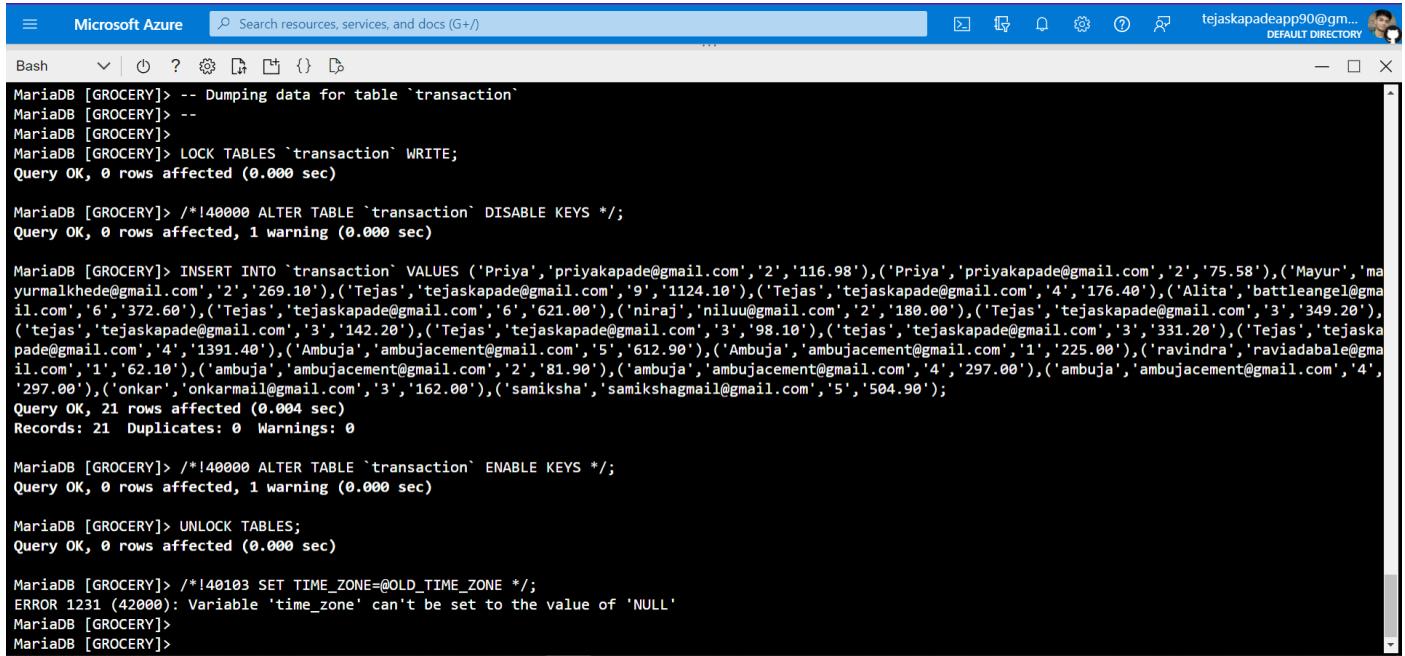
```

6. We will simply paste this inside mysql terminal so that all database is now pushed into our Kubernetes database image.



The screenshot shows a MySQL terminal window with the database name `[GROCERY]`. A context menu is open over the terminal input field, with the `Paste` option highlighted. The menu also includes options like Undo, Redo, Cut, Copy, Select all, Spell check, Writing Direction, and AdGuard AdBlocker. The MySQL prompt shows multiple entries of `[GROCERY]`.

7. All data is dumped into our database pod.



MariaDB [GROCERY]> -- Dumping data for table `transaction`
MariaDB [GROCERY]> --
MariaDB [GROCERY]> LOCK TABLES `transaction` WRITE;
Query OK, 0 rows affected (0.000 sec)

MariaDB [GROCERY]> /*!40000 ALTER TABLE `transaction` DISABLE KEYS */;
Query OK, 0 rows affected, 1 warning (0.000 sec)

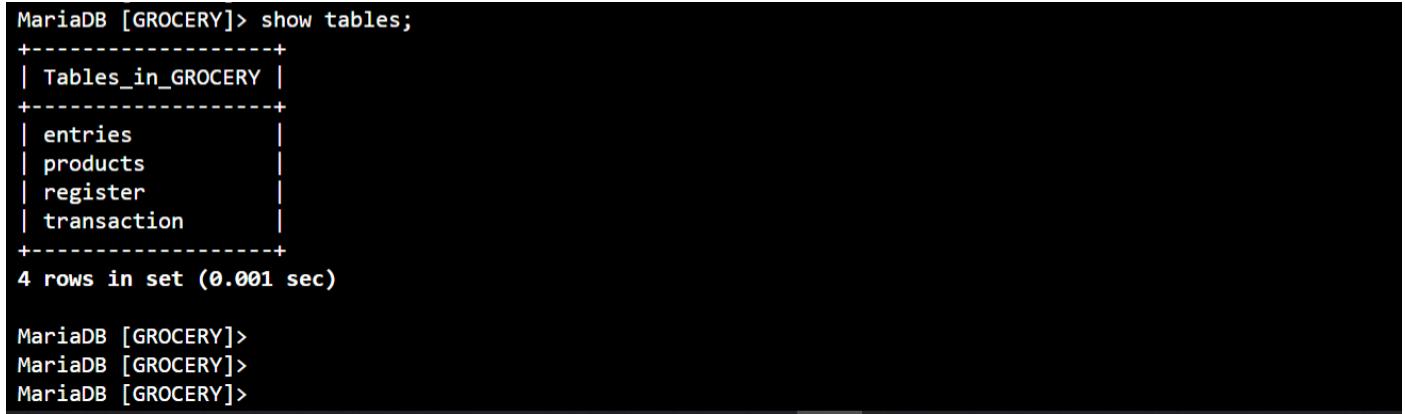
MariaDB [GROCERY]> INSERT INTO `transaction` VALUES ('Priya','priyakapade@gmail.com','2','116.98'),('Priya','priyakapade@gmail.com','2','75.58'),('Mayur','m
yurmalkhede@gmail.com','2','269.10'),('Tejas','tejaskapade@gmail.com','9','1124.10'),('Tejas','tejaskapade@gmail.com','4','176.40'),('Alita','battleangel@gma
il.com','6','372.60'),('Tejas','tejaskapade@gmail.com','6','621.00'),('niraj','niluu@gmail.com','2','180.00'),('Tejas','tejaskapade@gmail.com','3','349.20'),
('tejas','tejaskapade@gmail.com','3','142.20'),('Tejas','tejaskapade@gmail.com','3','98.10'),('tejas','tejaskapade@gmail.com','3','331.20'),('Tejas','tejaska
pade@gmail.com','4','1391.40'),('Ambuja','ambujacement@gmail.com','5','612.90'),('Ambuja','ambujacement@gmail.com','1','225.00'),('ravindra','raviadabale@gma
il.com','1','62.10'),('ambuja','ambujacement@gmail.com','2','81.90'),('ambuja','ambujacement@gmail.com','4','297.00'),('ambuja','ambujacement@gmail.com','4',
'297.00'),('onkar','onkarmail@gmail.com','3','162.00'),('samiksha','samikshagmail@gmail.com','5','504.90');
Query OK, 21 rows affected (0.004 sec)
Records: 21 Duplicates: 0 Warnings: 0

MariaDB [GROCERY]> /*!40000 ALTER TABLE `transaction` ENABLE KEYS */;
Query OK, 0 rows affected, 1 warning (0.000 sec)

MariaDB [GROCERY]> UNLOCK TABLES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [GROCERY]> /*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;
ERROR 1231 (42000): Variable 'time_zone' can't be set to the value of 'NULL'
MariaDB [GROCERY]>
MariaDB [GROCERY]>

8. Now if we list the table contents we can see all tables are now added along with their data,



```
MariaDB [GROCERY]> show tables;
+-----+
| Tables_in_GROCERY |
+-----+
| entries           |
| products          |
| register          |
| transaction       |
+-----+
4 rows in set (0.001 sec)

MariaDB [GROCERY]>
MariaDB [GROCERY]>
MariaDB [GROCERY]>
```

Microsoft Azure Search resources, services, and docs (G+)

Bash

```
MariaDB [GROCERY]> select * from transaction;
+-----+
| name | email           | items | paid   |
+-----+
| Priya | priyakapade@gmail.com | 2     | 116.98 |
| Priya | priyakapade@gmail.com | 2     | 75.58  |
| Mayur | mayurmalkhede@gmail.com | 2     | 269.10 |
| Tejas | tejaskapade@gmail.com | 9     | 1124.10|
| Tejas | tejaskapade@gmail.com | 4     | 176.40  |
| Alita | battleangel@gmail.com | 6     | 372.60  |
| Tejas | tejaskapade@gmail.com | 6     | 621.00  |
| niraj | niluu@gmail.com    | 2     | 180.00  |
| Tejas | tejaskapade@gmail.com | 3     | 349.20  |
| tejas | tejaskapade@gmail.com | 3     | 142.20  |
| Tejas | tejaskapade@gmail.com | 3     | 98.10   |
| tejas | tejaskapade@gmail.com | 3     | 331.20  |
| Tejas | tejaskapade@gmail.com | 4     | 1391.40 |
| Ambuja | ambujacement@gmail.com | 5     | 612.90  |
| Ambuja | ambujacement@gmail.com | 1     | 225.00  |
| ravindra | raviadabale@gmail.com | 1     | 62.10   |
| ambuja | ambujacement@gmail.com | 2     | 81.90   |
| ambuja | ambujacement@gmail.com | 4     | 297.00  |
| ambuja | ambujacement@gmail.com | 4     | 297.00  |
| onkar | onkarmail@gmail.com  | 3     | 162.00  |
| samiksha | samikshagmail@gmail.com | 5     | 504.90  |
+-----+
21 rows in set (0.001 sec)

MariaDB [GROCERY]>
```

Microsoft Azure Search resources, services, and docs (G+)

Bash

```
MariaDB [GROCERY]> select * from entries;
+-----+
| id | name      | password | date       | time      |
+-----+
| 1  | Tejas     | 3434     | 09-03-2023 | 04:05:36 pm |
| 2  | Priya     | priyak90  | 09-03-2023 | 04:08:56 pm |
| 3  | Alita     | hugo      | 09-03-2023 | 04:17:07 pm |
| 4  | Tejas     | 3434     | 09-03-2023 | 04:20:52 pm |
| 5  | Priya     | priyak90  | 09-03-2023 | 04:22:10 pm |
| 6  | Tejas     | 3434     | 09-03-2023 | 04:23:18 pm |
| 7  | Tejas     | 3434     | 09-03-2023 | 11:59:55 pm |
| 8  | Mayur     | mm90      | 10-03-2023 | 12:03:54 am |
| 9  | Alita     | hugo      | 10-03-2023 | 12:07:34 am |
| 10 | Priya    | priyak90  | 10-03-2023 | 03:34:27 pm |
| 11 | Alita     | hugo      | 10-03-2023 | 04:00:50 pm |
| 12 | Tejas     | 3434     | 12-03-2023 | 02:52:00 pm |
| 13 | Alita     | hugo      | 21-03-2023 | 03:10:54 pm |
| 14 | Alita     | hugo      | 21-03-2023 | 03:14:27 pm |
| 15 | Tejas     | 3434     | 21-03-2023 | 03:23:26 pm |
| 16 | Alita     | hugo      | 21-03-2023 | 03:47:56 pm |
| 17 | Alita     | hugo      | 21-03-2023 | 03:52:01 pm |
| 18 | Tejas     | 3434     | 21-03-2023 | 03:56:19 pm |
| 19 | Tejas     | 3434     | 21-03-2023 | 07:01:33 pm |
| 20 | Alita     | hugo      | 21-03-2023 | 07:04:01 pm |
| 21 | Tejas     | 3434     | 26-03-2023 | 01:58:33 pm |
| 22 | niraj     | nijju     | 29-03-2023 | 12:05:13 pm |
| 23 | Tejas     | 3434     | 29-03-2023 | 12:06:29 pm |
| 24 | tejas     | 3434     | 29-03-2023 | 12:17:46 pm |
+-----+
```

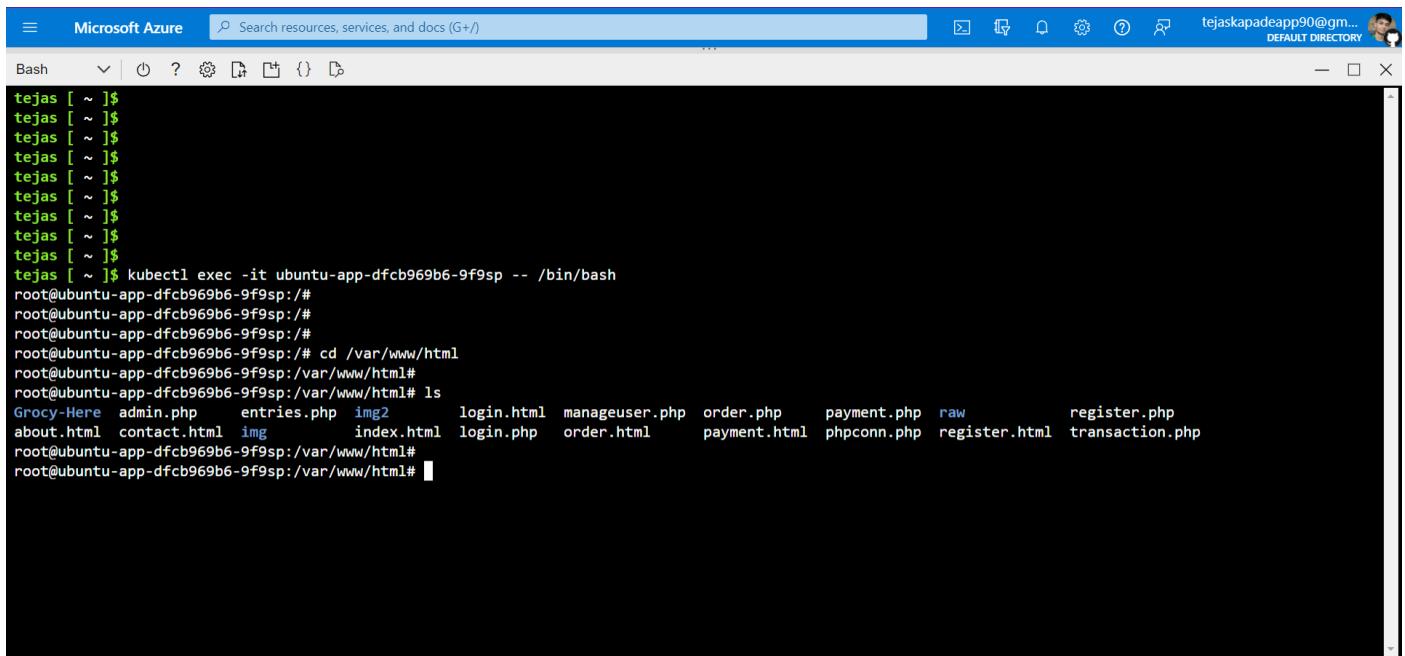
All is set now we will exit from here and start the apache server.

```
MariaDB [GROCERY]> exit
Bye
root@grocy-database-deployment-54bfbbfc86-hq9gt:/#
root@grocy-database-deployment-54bfbbfc86-hq9gt:/#
root@grocy-database-deployment-54bfbbfc86-hq9gt:/# exit
exit
tejas [ ~ ]$
```

Topic 6: Starting apache2 service.

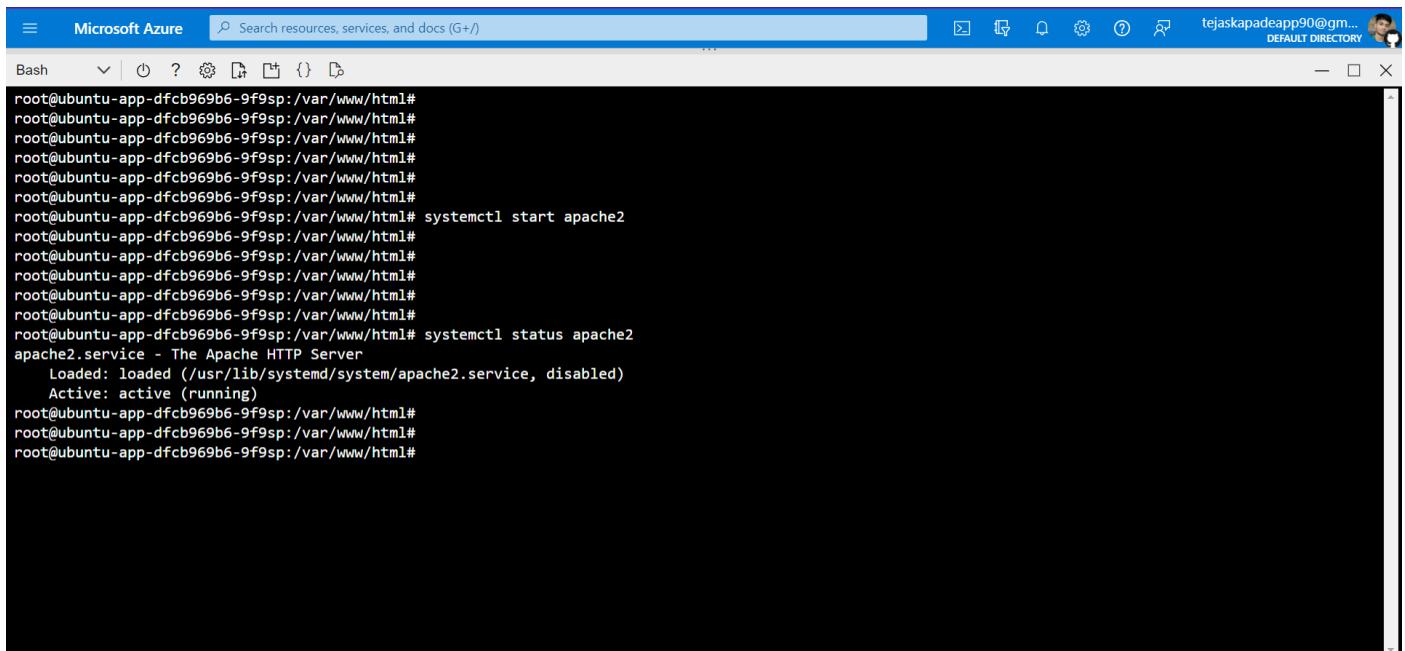
Steps:

1. We will start our /bin/bash shell for ubuntu as we had done before



```
tejas [ ~ ]$ 
tejas [ ~ ]$ kubectl exec -it ubuntu-app-dfc969b6-9f9sp -- /bin/bash
root@ubuntu-app-dfc969b6-9f9sp:/#
root@ubuntu-app-dfc969b6-9f9sp:/#
root@ubuntu-app-dfc969b6-9f9sp:/#
root@ubuntu-app-dfc969b6-9f9sp:/# cd /var/www/html
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# ls
Grocery-Here admin.php entries.php img2 login.html manageuser.php order.php payment.php raw register.php
about.html contact.html img index.html login.php order.html payment.html phpconn.php register.html transaction.php
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
```

We will simply start the apache2 server using “systemctl” command our you can you “service” commad.



```
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# systemctl start apache2
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html# systemctl status apache2
apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service, disabled)
     Active: active (running)
       Docs: man:systemd-service(5)
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfc969b6-9f9sp:/var/www/html#
```

Now everything is set now we will list our services and copy the external ip address which is Public IP and we will put it into our Browser.

```
root@ubuntu-app-dfcb969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfcb969b6-9f9sp:/var/www/html#
root@ubuntu-app-dfcb969b6-9f9sp:/var/www/html# exit
tejas [ ~ ]$ tejas [ ~ ]$ kubectl get services
NAME           TYPE      CLUSTER-IP   EXTERNAL-IP     PORT(S)        AGE
grocy-database-service   ClusterIP  10.0.223.82  <none>        3306/TCP      30m
kubernetes       ClusterIP  10.0.0.1    <none>        443/TCP       40m
ubuntu-app-service   LoadBalancer 10.0.226.98  20.244.79.162  80:30052/TCP  24m
tejas [ ~ ]$
```

Final Output:

Not secure | 20.244.79.162

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

Welcome to Grocy Here



Register Login Contact Us About Home

Checkout Grocery...



All time FRESH and hand picked for you !

What services will you get ?

- Home Delivery
- Discounts
- Making Grocery list
- Fast orders
- Flexibility in purchasing

Let's SHOPPING !!



Register now

© 2023 tejaskapade@gmail.com. All rights reserved.

01:53 PM 15-10-2023

Not secure | 20.244.79.162/register.html

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

Registration Form

Name:
Enter your name

Email:
Enter your email

Phone:
Enter your phone number

Address:
Enter your address

Pin Code:
Enter your pin code

Password:
Enter your password

Confirm Password:
Confirm your password

01:54 PM 15-10-2023



Grocery Management Official

Home Groceries Registration

Contact Us

Grocery Management is a website that aims to simplify the process of managing grocery lists and shopping for groceries. Our mission is to help people save time and money while enjoying a stress-free grocery shopping experience.

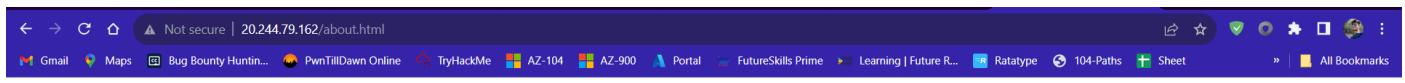
For Queries and problems during payment you can reach us:

- Phone : 9898989898
- Email : officialgrocery@gmail.com
- Address : Nirvana Streets, Area 51, Antarctica
- Pincode : 421102

At Grocery Management, we believe that everyone should have access to the tools they need to make grocery shopping a breeze. Try us out today and see how we can help you!

© 2023 Grocery Management





Grocery Management Official

Home Groceries Contact Us

About Us

Grocery Management is a website that aims to simplify the process of managing grocery lists and shopping for groceries. Our mission is to help people save time and money while enjoying a stress-free grocery shopping experience.

We offer a variety of features, including:

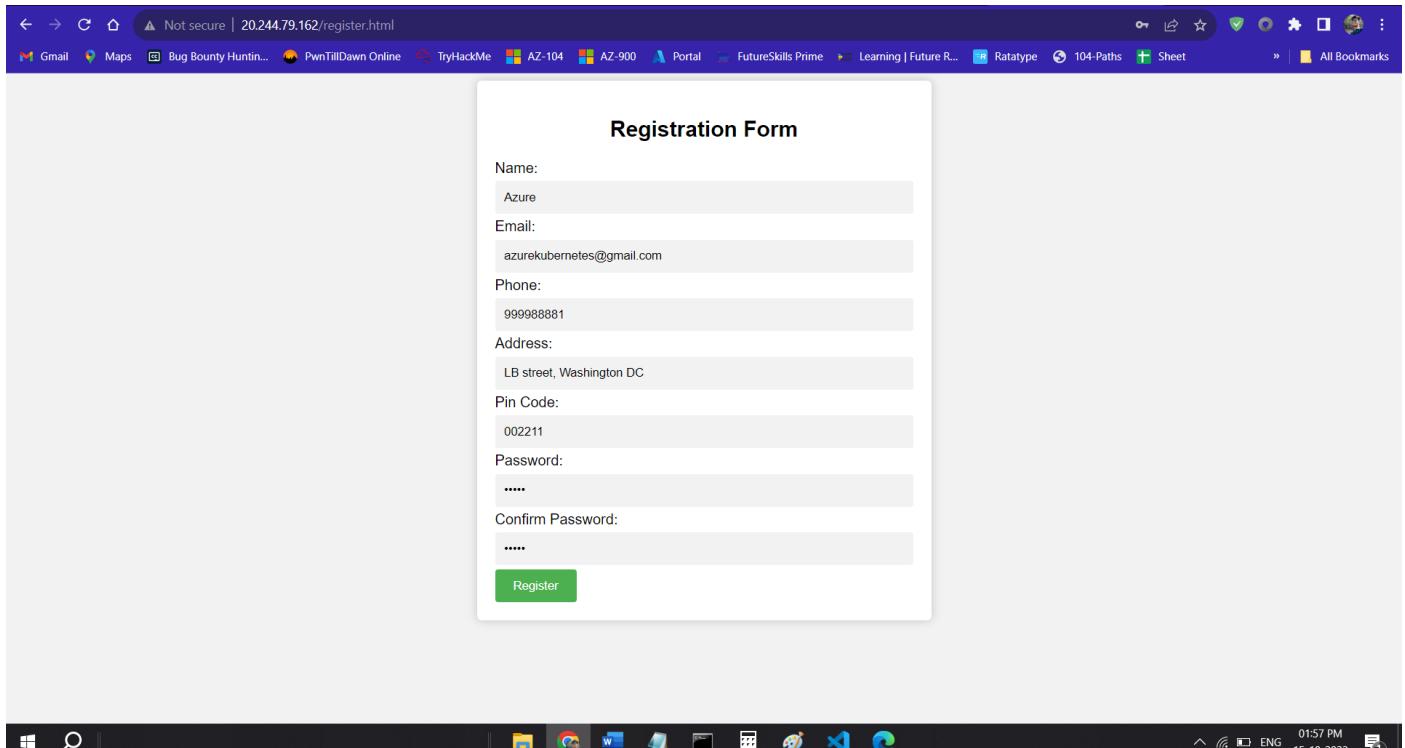
- Creating and sharing grocery lists
- Tracking your expenses and savings
- Finding deals and discounts on groceries
- Getting personalized recommendations based on your shopping history

At Grocery Management, we believe that everyone should have access to the tools they need to make grocery shopping a breeze. Try us out today and see how we can help you!

© 2023 Grocery Management



We will enter some details in registration to check it is working



Not secure | 20.244.79.162/register.php

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

Your Registration is successful !!

Now you can login...

Login Back to Home



After registering we are trying to login from same credentials:

Not secure | 20.244.79.162/login.html

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

Login

Username:

Password:

Don't have an account yet? [Sign up now!](#)



Login succeed !

Now we will Buy something...

Not secure | 20.244.79.162/order.html

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

Enjoy shopping :)

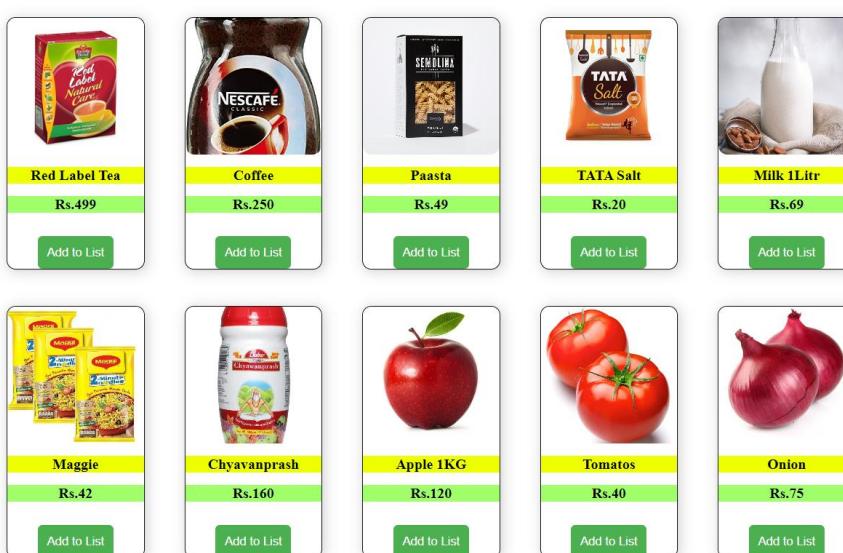
 Red Label Tea Rs.499 <button>Add to List</button>	 Coffee Rs.250 <button>Add to List</button>	 Paasta Rs.49 <button>Add to List</button>	 TATA Salt Rs.20 <button>Add to List</button>	 Milk 1Litr Rs.69 <button>Add to List</button>
 Maggi Rs.42 <button>Add to List</button>	 Chyavanprash Rs.160 <button>Add to List</button>	 Apple 1KG Rs.120 <button>Add to List</button>	 Tomatos Rs.40 <button>Add to List</button>	 Onion Rs.75 <button>Add to List</button>

Your Grocery List is here,

Order

				
Watermelon Rs.90	Carrot Rs.60	Red tooth-paste Rs.80	Oats Rs.99	Orange 1Kg Rs.180
Add to List				
				
Cucumber Rs.30	Pomegranate (Anar) Rs.120	Soyabean Chunks Rs.49		
Add to List	Add to List	Add to List		

Enjoy shopping :)

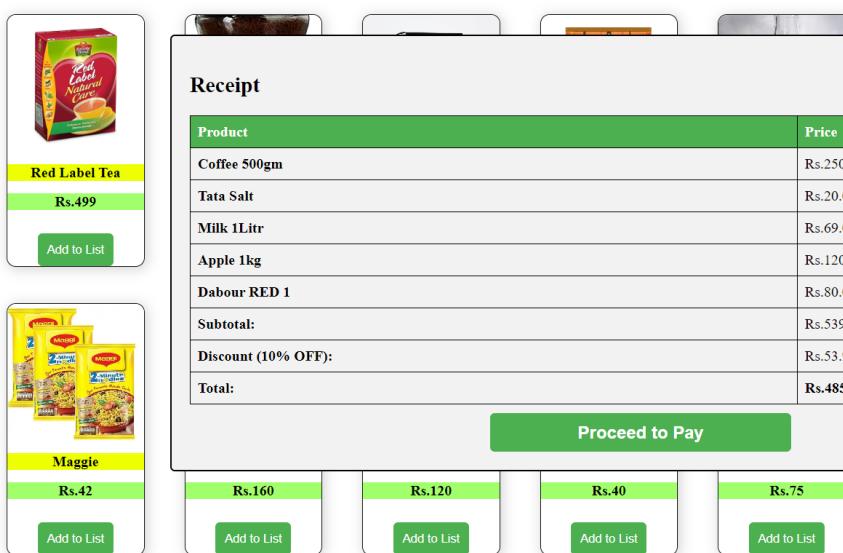


Your Grocery List is here,

- Coffee 500gm - Rs.250 [Remove](#)
- Tata Salt - Rs.20 [Remove](#)
- Milk 1Litr - Rs.69 [Remove](#)
- Apple 1kg - Rs.120 [Remove](#)
- Dabour RED 1 - Rs.80 [Remove](#)

[Order](#)

Enjoy shopping :)



Your Grocery List is here,

[CANCEL ORDER](#)

Not secure | 20.244.79.162/payment.php

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

Choose Payment Method

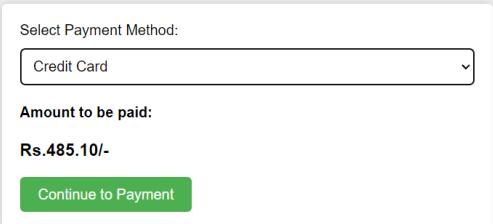
Select Payment Method:

Credit Card

Amount to be paid:

Rs.485.10/-

Continue to Payment



02:01 PM
15-10-2023

Not secure | 20.244.79.162/order.php

Gmail Maps Bug Bounty Huntin... PwnTillDawn Online TryHackMe AZ-104 AZ-900 Portal FutureSkills Prime Learning | Future R... Ratatype 104-Paths Sheet All Bookmarks

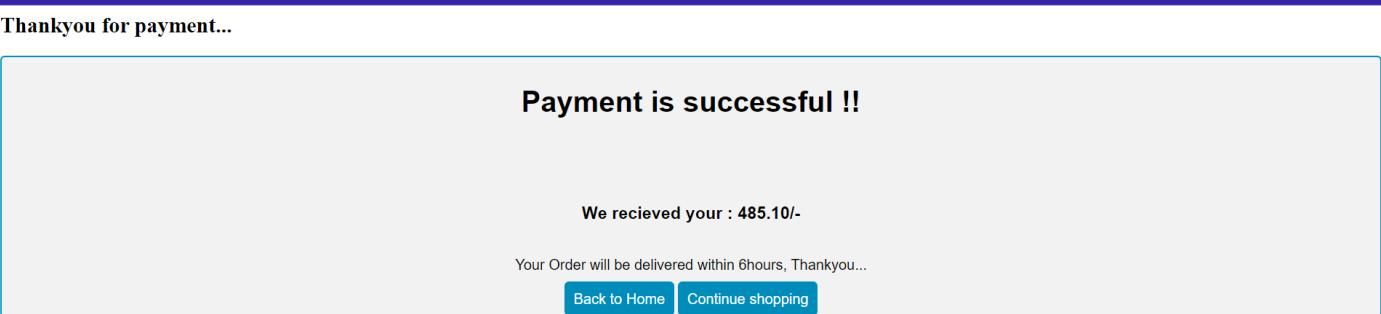
Thankyou for payment...

Payment is successful !!

We received your : 485.10/-

Your Order will be delivered within 6hours, Thankyou...

Back to Home Continue shopping



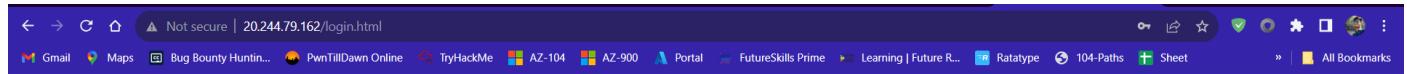
02:01 PM
15-10-2023

Now Let's check admin panel:

Simply we will put admin inside login form and password for admin user.

Credentials:

- Username: **admin**
- Password: **9090**



Succeed ! we can see the admin panel which will show as all database of our web-application.

ADMIN PANEL, Registration Database				
Name	Email	Phone	Address	Pincode
Tejas	tejaskapade@gmail.com	9892624891	HN.Mohone, Ambivali	421102
Nano	nainishcoc@gmail.com	9822739121	Krishna Plaza, Mohone	421101
Raadha	raadakrishna@gmail.com	90090099	Vrindaavan	14300
Alita	battleangel@gmail.com	8765489898	Iron city, street 365	3434
admin	admin@gmail.com	000000000	ADMIN	ADMIN
Aniket	aniketpunase@gmail.com	8989898989	Muktainagar, Jalgaon	422333
Priya	priyakapade@gmail.com	8657483959	HN, Panchashil Nagar, Mohone	421102
Mayur	mayurmalkhede@gmail.com	83380999	Galegaon,Mohone	431123
Krishna	devkinandan@gmail.com	90909090	Golok dhaam, Vrindaavan	421124
Jayesh	hivarkar@gmail.com	998223111	Savantwaadi R1 road vapi, Gujrat	431111
Niraj	nihu@gmail.com	9999999	Kongaon,kalyan	9000
Ambuja	ambujacement@gmail.com	9876543210	Bhoot Galli, Shamshaan ghat- Varanasi	987000
Ravindra	raviadabale@gmail.com	8976543122	RS. Mohone, Kalyan.	421104
Onkar	onkarmail@gmail.com	8879216339	Panvel	21212
Samiksha	samikshagmail@gmail.com	868463558	Airoli	98989
Azure	azurekubernetes@gmail.com	999988881	LB street, Washington DC	002211

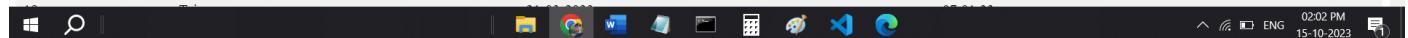


ADMIN PANEL, Transaction Database			
		Registration	Transactions
Name	Email	Items	Paid
Priya	priyakapade@gmail.com	2	116.98
Priya	priyakapade@gmail.com	2	75.58
Mayur	mayurmalkhede@gmail.com	2	269.10
Tejas	tejaskapade@gmail.com	9	1124.10
Tejas	tejaskapade@gmail.com	4	176.40
Alita	battleangel@gmail.com	6	372.60
Tejas	tejaskapade@gmail.com	6	621.00
niraj	niluu@gmail.com	2	180.00
Tejas	tejaskapade@gmail.com	3	349.20
tejas	tejaskapade@gmail.com	3	142.20
Tejas	tejaskapade@gmail.com	3	98.10
tejas	tejaskapade@gmail.com	3	331.20
Tejas	tejaskapade@gmail.com	4	1391.40
Ambuja	ambujacement@gmail.com	5	612.90
Ambuja	ambujacement@gmail.com	1	225.00
ravindra	raviadabale@gmail.com	1	62.10
ambuja	ambujacement@gmail.com	2	81.90
ambuja	ambujacement@gmail.com	4	297.00

We can see our last transaction we did using azure login inside transaction database:

ADMIN PANEL, Transaction Database			
		Registration	Transactions
Name	Email	Items	Paid
Priya	priyakapade@gmail.com	2	75.58
Mayur	mayurmalkhede@gmail.com	2	269.10
Tejas	tejaskapade@gmail.com	9	1124.10
Tejas	tejaskapade@gmail.com	4	176.40
Alita	battleangel@gmail.com	6	372.60
Tejas	tejaskapade@gmail.com	6	621.00
niraj	niluu@gmail.com	2	180.00
Tejas	tejaskapade@gmail.com	3	349.20
tejas	tejaskapade@gmail.com	3	142.20
Tejas	tejaskapade@gmail.com	3	98.10
tejas	tejaskapade@gmail.com	3	331.20
Tejas	tejaskapade@gmail.com	4	1391.40
Ambuja	ambujacement@gmail.com	5	612.90
Ambuja	ambujacement@gmail.com	1	225.00
ravindra	raviadabale@gmail.com	1	62.10
ambuja	ambujacement@gmail.com	2	81.90
ambuja	ambujacement@gmail.com	4	297.00
ambuja	ambujacement@gmail.com	4	297.00
onkar	onkarmail@gmail.com	3	162.00
samiksha	samikshagmail@gmail.com	5	504.90
azure	azurekubernetes@gmail.com	5	485.10

ADMIN PANEL, Login Entries Database			
ID	Name	Date	Time
1	Tejas	09-03-2023	04:05:36 pm
2	Priya	09-03-2023	04:08:56 pm
3	Alita	09-03-2023	04:17:07 pm
4	Tejas	09-03-2023	04:20:52 pm
5	Priya	09-03-2023	04:22:10 pm
6	Tejas	09-03-2023	04:23:18 pm
7	Tejas	09-03-2023	11:59:55 pm
8	Mayur	10-03-2023	12:03:54 am
9	Alita	10-03-2023	12:07:34 am
10	Priya	10-03-2023	03:34:27 pm
11	Alita	10-03-2023	04:00:50 pm
12	Tejas	12-03-2023	02:52:00 pm
13	Alita	21-03-2023	03:10:54 pm
14	Alita	21-03-2023	03:14:27 pm
15	Tejas	21-03-2023	03:23:26 pm
16	Alita	21-03-2023	03:47:56 pm
17	Alita	21-03-2023	03:52:01 pm
18	Tejas	21-03-2023	03:56:19 pm



02:02 PM
15-10-2023

We also can see our login time and date details inside entries page:

Last entry was from azure user as we did now.

Not secure 20.244.79.162/entries.php			
20	Alita	21-03-2023	07:08:01 pm
21	Tejas	26-03-2023	01:58:33 pm
22	niraj	29-03-2023	12:05:13 pm
23	Tejas	29-03-2023	12:06:29 pm
24	tejas	29-03-2023	12:17:46 pm
25	Tejas	29-03-2023	12:24:29 pm
26	Niraj	29-03-2023	12:40:40 pm
27	tejas	25-04-2023	10:53:18 am
28	Tejas	25-04-2023	01:20:17 pm
29	Ambuja	04-10-2023	09:32:48 pm
30	Ambuja	04-10-2023	11:00:26 pm
31	Ambuja	05-10-2023	01:43:33 pm
32	ravindra	05-10-2023	10:09:32 pm
33	ADMIN	05-10-2023	10:38:35 pm
34	ambuja	05-10-2023	11:25:25 pm
35	ambuja	05-10-2023	11:26:51 pm
36	ambuja	06-10-2023	12:23:17 pm
37	onkar	06-10-2023	01:45:31 pm
38	onkar	06-10-2023	03:42:05 pm
39	samiksha	06-10-2023	04:06:46 pm
40	azure	15-10-2023	02:00:14 pm



02:03 PM
15-10-2023

That's all about our web-application.

The screenshot shows a web browser window with the URL [Not secure | 20.244.79.162/index.html](http://20.244.79.162/index.html). The page title is "Welcome to Grocy Here". On the left, there's a section titled "Checkout Grocery..." with four small images of groceries. Below it is a text block: "All time FRESH and hand picked for you !". In the center, there's a section titled "What services will you get ?" with a list of services: Home Delivery, Discounts, Making Grocery list, Fast orders, and Flexibility in purchasing. To the right, there's a large image of a grocery bag filled with various fruits and vegetables, with the text "Register now" overlaid. At the bottom, a dark footer bar contains the copyright notice: "© 2023 tejaskapade@gmail.com, All rights reserved."

Welcome to Grocy Here

Register Login Contact Us About Home

Checkout Grocery...

All time FRESH and hand picked for you !

What services will you get ?

- Home Delivery
- Discounts
- Making Grocery list
- Fast orders
- Flexibility in purchasing

Let's SHOPPING !!

© 2023 tejaskapade@gmail.com, All rights reserved.

Resources and Azure-Services Overview:

Microsoft Azure Search resources, services, and docs (G+)

Home > microsoft.aks-20231015130523 | Overview > grocyherecluster

grocyherecluster | Workloads

Kubernetes service

Search Create Delete Refresh Show labels Give feedback

Deployments Pods Replica sets Stateful sets Daemon sets Jobs Cron jobs

Filter by deployment name Enter the full deployment name Filter by namespace All namespaces Add label filter

Name	Namespace	Ready	Up-to-date	Available	Age
coredns	kube-system	✓ 5/5	5	5	53 minutes
coredns-autoscaler	kube-system	✓ 1/1	1	1	53 minutes
konnectivity-agent	kube-system	✓ 2/2	2	2	53 minutes
metrics-server	kube-system	✓ 2/2	2	2	53 minutes
aci-connector-linux	kube-system	✓ 1/1	1	1	52 minutes
<input checked="" type="checkbox"/> grocy-database-deployment	default	✓ 1/1	1	1	43 minutes
<input checked="" type="checkbox"/> ubuntu-app	default	✓ 1/1	1	1	37 minutes

Microsoft Azure Search resources, services, and docs (G+)

Home > microsoft.aks-20231015130523 | Overview > grocyherecluster

grocyherecluster | Services and ingresses

Kubernetes service

Search Create Delete Refresh Show labels Give feedback

Services Ingresses

Filter by service name Enter the full service name Filter by namespace All namespaces Add label filter

Name	Namespace	Status	Type	Cluster IP	External IP	Ports	Age
kubernetes	default	✓ Ok	ClusterIP	10.0.0.1		443/TCP	54 minutes
kube-dns	kube-system	✓ Ok	ClusterIP	10.0.0.10		53/UDP,53/TCP	53 minutes
metrics-server	kube-system	✓ Ok	ClusterIP	10.0.2.94		443/TCP	53 minutes
<input checked="" type="checkbox"/> grocy-database-service	default	✓ Ok	ClusterIP	10.0.223.82		3306/TCP	44 minutes
<input checked="" type="checkbox"/> ubuntu-app-service	default	✓ Ok	LoadBalancer	10.0.226.98	20.244.79.162	80:30052/TCP	37 minutes

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com... DEFAULT DIRECTORY (TEJASKAP...

Home > microsoft.aks-20231015130523 | Overview > grocyherecluster

grocyherecluster | Node pools

Kubernetes service

Search Add node pool Refresh Start Stop Upgrade Kubernetes Update image Scale node pool Delete Troubleshoot Give feedback

Configuration Custom resources Events Run command

Settings

- Node pools
- Cluster configuration
- Networking
- Extensions + applications
- Backup (preview)
- Open Service Mesh
- GitOps
- Automated deployments (preview)
- Policies

Autoscale events 6 Autoscale warnings 0 Scale-up not triggered 6

Node pool ↑	Provisioning state ⓘ	Power state ⓘ	Scale method	Target nodes ⓘ	Ready nodes ⓘ	Autoscaling status ⓘ	Mode	Kub...
grocypool	Succeeded	Running	Autoscale	1	1	No scale activity	System	1.26

<https://portal.azure.com/#@tejaskapadeapp90@gmail.onmicrosoft.com/resource/subscriptions/8cdtb4e4-0e7b-4752-8af8-ebe02ce7af44/resourcegroups/Grocy-Here-RG/providers/Microsoft.ContainerService/managedClusters/grocyherecluster/configuration>

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com... DEFAULT DIRECTORY (TEJASKAP...

Home > microsoft.aks-20231015130523 | Overview > grocyherecluster

grocyherecluster | Alerts

Kubernetes service

Search View as timeline (preview) Create Recommendations Alert rules Action groups Alert processing rules Change user response ...

Monitoring

- Insights
- Alerts
- Metrics
- Diagnostic settings
- Advisor recommendations
- Logs
- Workbooks

Automation

- CLI / PS
- Tasks (preview)
- Export template

Help

- Resource health

New: View alerts visualized on a timeline for a clearer picture of your events. You can switch between views anytime. [View as timeline \(preview\)](#)

Search Resource name : grocyherecluster Time range : Past 24 hours Alert condition : Fired × Add filter More (1)

Total alerts Critical Error Warning Informational Verbose

Name ↑ Severity ↑ Affected resource ↑ Alert condition ↑ User response ↑ Fire time ↑

No grouping

Microsoft Azure Search resources, services, and docs (G+)

Home > microsoft.aks-20231015130523 | Overview > grocyherecluster

grocyherecluster | Metrics

Kubernetes service

Search New chart Refresh Share Feedback Local Time: Last 24 hours (Automatic)

Monitoring Insights Alerts Metrics Diagnostic settings Advisor recommendations Logs Workbooks Automation CLI / PS Tasks (preview) Export template Help Resource health Support + Troubleshooting

Avg Inflight Requests for grocyherecluster

Add metric Add filter Apply splitting Line chart Drill into Logs New alert rule Save to dashboard ...

grocyherecluster.Inflight Requests,Avg

Inflight Requests (Avg)
grocyherecluster
4.06

Avg CPU Usage Millicores for grocyherecluster

Add metric Add filter Apply splitting Line chart Drill into Logs New alert rule Save to dashboard ...

Scope: grocyherecluster Metric Namespace: Container service (ma... Metric: CPU Usage Millicores Aggregation: Avg

NODES (PREVIEW)

- CPU Usage Millicores
- CPU Usage Percentage
- Disk Used Bytes
- Disk Used Percentage
- Memory RSS Bytes
- Memory RSS Percentage

Disk Used Percentage

Disk space used in percent by device

Metric ID: node_disk_usage_percentage
Namespace: microsoft.containerservice/managedclusters
Unit: %

Supports filtering and grouping

CPU Usage Millicores (Avg)
grocyherecluster
0.15 cores

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups

Default Directory (tejaskapadeapp90@gmail.onmicrosoft.com)

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Location equals all Add filter

Showing 1 to 6 of 6 records.

Name	Subscription	Location	...
cloud-shell-storage-centralindia	Azure for Students	Central India	...
DefaultResourceGroup-CIN	Azure for Students	Central India	...
Grocy-Here-RG	Azure for Students	Central India	...
MC_Grocy-Here-RG_grocyherecluster_centralindia	Azure for Students	Central India	...
NetworkWatcherRG	Free Trial	Central India	...
NetworkWatcherRG	Azure for Students	Central India	...

< Previous Page 1 of 1 Next >

Give feedback

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups > Grocy-Here-RG

Default Directory (tejaskapadeapp90@gmail.onmicrosoft.com)

+ Create Manage view ...

Filter for any field...

Name

- cloud-shell-storage-centralindia
- DefaultResourceGroup-CIN
- Grocy-Here-RG
- MC_Grocy-Here-RG_grocyherecluster_c...
- NetworkWatcherRG
- NetworkWatcherRG

Overview

- Activity log
- Access control (IAM)
- Tags
- Resource visualizer
- Events

Settings

- Deployments
- Security
- Deployment stacks
- Policies
- Properties
- Locks

Cost Management

Essentials

Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 5 of 5 records.

Name	Type	Location	...
CPU Usage Percentage - grocyherecluster	Metric alert rule	Global	...
Grocy-Here-RG-vnet	Virtual network	Central India	...
grocyherecluster	Kubernetes service	Central India	...
Memory Working Set Percentage - grocyherecluster	Metric alert rule	Global	...
RecommendedAlertRules-AG-1	Action group	Global	...

< Page 1 of 1 >

Give feedback

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups > Grocy-Here-RG

CPU Usage Percentage - grocyherecluster

Metric alert rule

Search Edit Disable Duplicate Delete Refresh

Location (move) : Global Severity : -

Subscription (move) : Azure for Students Description : -

Subscription ID : 8cdfb4e4-0e7b-4752-8af8-ebb02ce7af44

Tags (edit) : Add tags

Scope

Resource	Hierarchy
grocyherecluster	Azure for S... > grocy-here...

Actions

Name	Email
RecommendedAlertRules-AG-1	Email: tejaskapadeapp90@gmail.com 1 Email

Conditions

Name	Time series monitored ⓘ	Estimated monthly cost ⓘ
node_cpu_usage_...	1	\$0.10

<https://portal.azure.com/#@tejaskapadeapp90@gmail.onmicrosoft.com/resource/subscriptions...>

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups > Grocy-Here-RG

Memory Working Set Percentage - grocyherecluster

Metric alert rule

Search Edit Disable Duplicate Delete Refresh

Resource group (move) : Grocy-Here-RG Severity : 3 - Informational

Location (move) : Global Description : -

Subscription (move) : Azure for Students

Subscription ID : 8cdfb4e4-0e7b-4752-8af8-ebb02ce7af44

Tags (edit) : Add tags

Scope

Resource	Hierarchy
grocyherecluster	Azure for S... > grocy-here...

Actions

Name	Email
RecommendedAlertRules-AG-1	Email: tejaskapadeapp90@gmail.com 1 Email

Conditions

Name	Time series monitored ⓘ	Estimated monthly cost ⓘ
node_memory_MemAvailable_kb_...	1	\$0.10

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com... DEFAULT DIRECTORY (TEJASKAP...

Home > RecommendedAlertRules-AG-1 Action group

Search Edit Disable Test Delete Refresh

Overview Activity log Access control (IAM) Tags Settings Locks Automation Tasks (preview) Export template Help Support + Troubleshooting

This display name will be shown as the action group name in email and SMS notifications.

Display name : recalert1

Resource group (move) : Grocy-Here-RG Location (move) : Global Subscription (move) : Azure for Students Subscription ID : 8cdfb4e4-0e7b-4752-8af8-ebe02ce7af44 Tags (edit) : Add tags

Notifications

Type	Name	Value
Email	Email	tejaskapadeapp90@gmail.com

Microsoft Azure Search resources, services, and docs (G+) tejaskapadeapp90@gmail.com... DEFAULT DIRECTORY (TEJASKAP...

Home > Resource groups >

Resource groups Default Directory (tejaskapadeapp90@gmail.onmicrosoft.com)

+ Create Manage view ...

Filter for any field...

Name ↑

- cloud-shell-storage-centralindia
- DefaultResourceGroup-CIN
- Grocy-Here-RG
- MC_Grocy-Here-RG_grocyherecluster_centralindia
- NetworkWatcherRG
- NetworkWatcherRG

< Page 1 of 1 >

Search Create Manage view ... Delete resource group Refresh Export to CSV Open query ...

Overview Resources Recommendations

Filter for any field... Type equals all × Location equals all × Add filter

Showing 1 to 7 of 7 records. Show hidden types No grouping List view

Name	Type	Location
aciconnectortlinux-grocyherecluster	Managed Identity	Central India
aks-agentpool-50822147-nsg	Network security group	Central India
aks-grocypool-27739459-vmss	Virtual machine scale set	Central India
f95fa6b3-8062-48ce-b384-cd5c285682c0	Public IP address	Central India
grocyherecluster-agentpool	Managed Identity	Central India
kubernetes	Load balancer	Central India
kubernetes-a05d1c4e533b1495798514cb0b048706	Public IP address	Central India

< Page 1 of 1 > Give feedback

Microsoft Azure Search resources, services, and docs (G+/-) tejaskapadeapp90@gmail.com DEFAULT DIRECTORY (TEJASKAP...

Home > Resource groups > MC_Grocy-Here-RG_grocyherecluster_centralindia > aks-grocypool-27739459-vmss Virtual machine scale set

Move Start Restart Stop Reimage Delete Refresh Feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Instances Networking Scaling Disks Operating system Microsoft Defender for Cloud Guest + host updates Size Extensions + applications

Essentials

Resource group (move) : MC_Grocy-Here-RG_grocyherecluster_centralindia Status : 1 out of 1 succeeded Location : Central India Subscription (move) : Azure for Students Subscription ID : 8cfd84e4-0e7b-4752-8af8-ebb02ce7af44

Operating system : Linux Size : Standard_DS2_v2 (1 instance) Public IP address : 20.244.79.162 Public IP address (IPv6) : - Virtual network/subnet : Grocy-Here-RG-vnet/default Orchestration mode : Uniform

Tags (edit) : aks-managed-consolidated-additi... : 19601780-6b2e-11ee-841d-8... More (8)

Properties Monitoring Capabilities (6) Recommendations Tutorials

Virtual machine profile

Operating system	Linux
Image publisher	-
Image offer	-
Image plan	-
Capacity reservation group	-

Networking

Public IP address	20.244.79.162
Public IP address (IPv6)	-
Virtual network/subnet	Grocy-Here-RG-vnet/default

Size

Class	Standard_DS2_v2
-------	-----------------

JSON View

Microsoft Azure Search resources, services, and docs (G+/-) tejaskapadeapp90@gmail.com DEFAULT DIRECTORY (TEJASKAP...

Home > Resource groups > MC_Grocy-Here-RG_grocyherecluster_centralindia > aks-grocypool-27739459-vmss Virtual machine scale set

Start Restart Stop Reimage Delete Upgrade Refresh Protection Policy

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Instances Networking Scaling Disks Operating system Microsoft Defender for Cloud Guest + host updates Size Extensions + applications

Search virtual machine instances

Instance	Computer name	Status	Protection policy	Provisioning state	Health state	Latest model
aks-grocypool-277394...	aks-grocypool-277394...	Running	Succeeded	Succeeded	Yes	

Give feed

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups > MC_Grocy-Here-RG_grocyherecluster_centralindia > aks-grocypool-27739459-vmss | Instances >

aks-grocypool-27739459-vmss_0

Scale set instance

Search Connect Start Restart Stop Reimage Delete Refresh Upgrade Protection Policy

Overview Settings Networking Connect Disks Properties Monitoring Insights Metrics Support + troubleshooting Bastion Serial console Boot diagnostics Diagnose and solve problems

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days 30 days

CPU (average)

A line chart titled "CPU (average)" showing CPU usage percentage over time. The Y-axis ranges from 0% to 22% in increments of 2%. The X-axis shows time from 1:15 PM to 1:45 PM on Oct 15, with UTC+05:30 at the bottom. The chart shows a general trend around 8-10%, with several sharp peaks reaching up to 20% or more. A specific peak is highlighted at 1:34 PM with a value of 19.615%.

Percentage CPU (Avg) aks-grocypool-27739459-vmss/0
19.615%

Give feedback

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups > MC_Grocy-Here-RG_grocyherecluster_centralindia > aks-grocypool-27739459-vmss | Instances >

aks-grocypool-27739459-vmss_0

Scale set instance

Search Connect Start Restart Stop Reimage Delete Refresh Upgrade Protection Policy

Overview Settings Networking Connect Disks Properties Monitoring Insights Metrics Support + troubleshooting Bastion Serial console Boot diagnostics Diagnose and solve problems

Network In Billable aks-grocypool-27739459-vmss_0 385.48 kB Network Out Billable aks-grocypool-27739459-vmss_0 100.47 kB

Disk bytes (total)

A line chart titled "Disk bytes (total)" showing disk activity in MB over time. The Y-axis ranges from 0B to 1.8GB in increments of 0.2GB. The X-axis shows time from 1:15 PM to 1:45 PM on Oct 15, with UTC+05:30 at the bottom. The chart shows two main series: Disk Read Bytes (Sum) in blue and Disk Write Bytes (Sum) in pink. Both series show high initial activity peaking around 1:15 PM, followed by a long period of low activity with occasional smaller spikes.

Disk Read Bytes (Sum) aks-grocypool-27739459-vmss_0 13.63 MB Disk Write Bytes (Sum) aks-grocypool-27739459-vmss_0 437.86 MB

Give feedback

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups > MC_Grocy-Here-RG_grocyherecluster_centralindia > aks-grocypool-27739459-vmss | Instances > aks-grocypool-27739459-vmss_0

aks-grocypool-27739459-vmss_0 | Disks

Scale set instance

OS disk

Disk name	Storage type	Size (GiB)	Max IOPS	Max throughput (...)	Encryption	Host caching
aks-grocypool-277394aks...	Premium SSD LRS	128	500	100	SSE with PMK	ReadWrite

Data disks

Filter by name
Showing 0 of 0 attached data disks

+ Create and attach a new disk Attach existing disks

LUN	Disk name	Storage type	Size (GiB)	Max IOPS	Max throughput (...)	Encryption
No data disks attached						

Apply Discard changes

Select a scope

Browse Recent

Subscription: All subscriptions Resource types: All resource types Locations: All locations

Search to filter items...

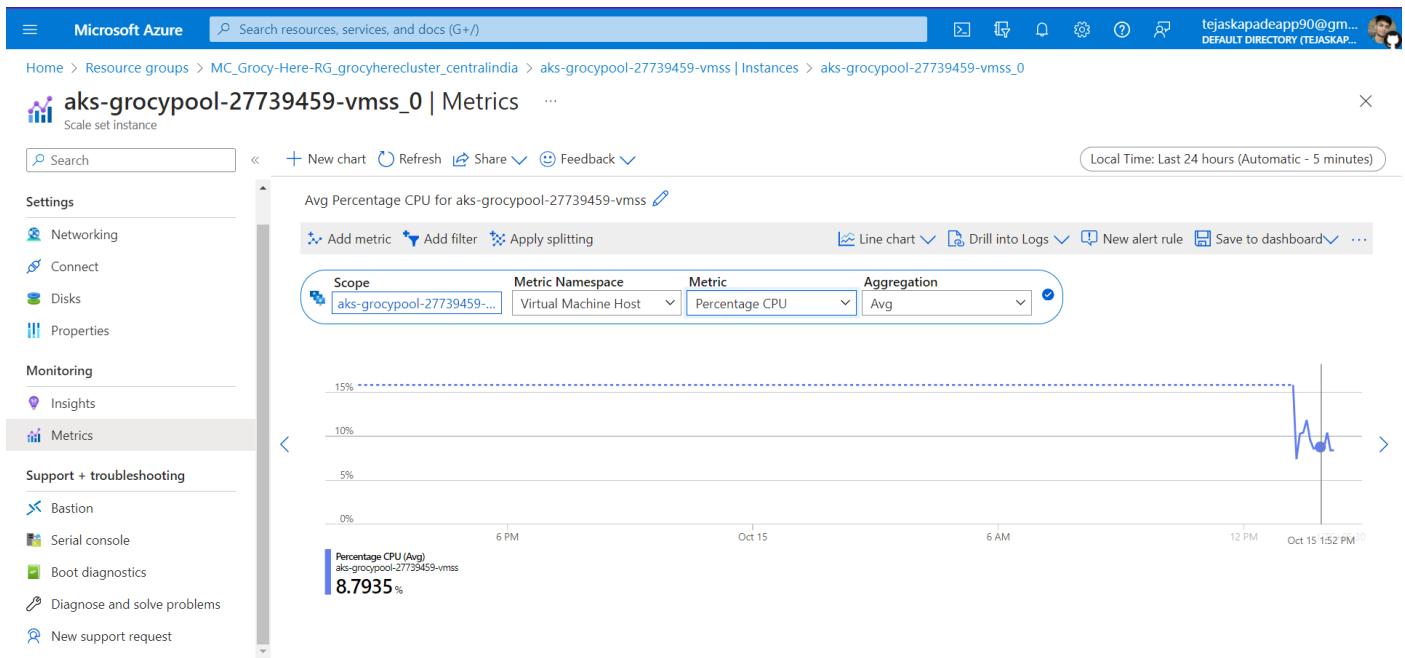
Scope	Resource type	Location
✓ Azure for Students	Subscription	-
> cloud-shell-storage-centralindia	Resource group	-
> Grocy-Here-RG	Resource group	-
✓ MC Grocy-Here-RG_grocyherecluster_centralindia	Resource group	-

Why can't I select multiple resources? You must select items of the same resource type and location. To select resources of a different resource type or location, please first uncheck your current selection.

Selected scopes: 1 virtual machine scale set

aks-grocypool-27739459-vmss Virtual machine scale set Central India

Apply Cancel Clear all selections



Microsoft Azure | Search resources, services, and docs (G+)

Home >

MC_Grocy-Here-RG_grocyherecluster_centralindia

Resource group

Search | + Create | Manage view | Delete resource group | Refresh | Export to CSV | Open query | Assign tags | Move | Delete | ... | JSON View

Overview

- Activity log
- Access control (IAM)
- Tags
- Resource visualizer
- Events

Settings

- Deployments
- Security
- Deployment stacks
- Policies
- Properties
- Locks

Cost Management

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 7 of 7 records. Show hidden types

Name	Type	Location
aiconnectorlinux-grocyherecluster	Managed Identity	Central India
aks-agentpool-50822147-nsg	Network security group	Central India
aks-grocypool-27739459-vmss	Virtual machine scale set	Central India
f95fa6b3-8062-48ce-b384-cd5c285682c0	Public IP address	Central India
grocyherecluster-agentpool	Managed Identity	Central India
kubernetes	Load balancer	Central India
kubernetes-a05d1c4e533b1495798514cb0b048706	Public IP address	Central India

< Previous | Page 1 of 1 | Next > | Give feedback

Microsoft Azure Search resources, services, and docs (G+)

Home > MC_Grocy-Here-RG_grocyherecluster_centralindia > kubernetes

kubernetes Load balancer

Search Move Delete Refresh Give feedback

Essentials

Resource group ([move](#)) : [mc_grocy-here-rg_grocyherecluster_centralindia](#) Backend pool : 2 backend pools

Location : Central India Load balancing rule : a05d1c4e533b1495798514cb0b048706-TCP-80 (Tcp/80)

Subscription ([move](#)) : [Azure for Students](#) Health probe : a05d1c4e533b1495798514cb0b048706-TCP-80 (Tcp:30052)

Subscription ID : 8cdfb4e4-0e7b-4752-8af8-ebb02ce7af44 NAT rules : 0 inbound

SKU : Standard Tier : Regional

Tags ([edit](#)) : aks-managed-cluster-name : grocyherecluster aks-managed-cluster-rg : Grocy-Here-RG

[See more](#)

Configure high availability and scalability for your applications

Create highly-available and scalable applications in minutes by using built-in load balancing for cloud services and virtual machines. Azure Load Balancer supports TCP/UDP-based protocols and protocols used for real-time voice and video messaging applications. [Learn more](#)

Balance IPv4 and IPv6 addresses Native dual-stack endpoints help meet regulatory requirements

Build highly reliable applications

Secure your networks Control network traffic and protect private networks

[JSON View](#)

Microsoft Azure Search resources, services, and docs (G+)

Home > MC_Grocy-Here-RG_grocyherecluster_centralindia > kubernetes

kubernetes | Backend pools Load balancer

Search Add Refresh

The backend pool is a critical component of the load balancer. The backend pool defines the group of resources that will serve traffic for a given load-balancing rule. [Learn more](#)

Backend pool	Resource Name	IP address	Network interface	Availability zone	Rules count	Resource Status	
aksOutboundBackendPool (1)	aksOutboundBackendPoc	aks-grocypool-27739459	10.224.0.4	aks-grocypool-27739459	-	1	Running
kubernetes (1)	kubernetes	aks-grocypool-27739459	10.224.0.4	aks-grocypool-27739459	-	1	Running

[Add filter](#)

<https://portal.azure.com/#@tejaskapadeapp90@gmail.onmicrosoft.com/resource/subscriptions...> Give feedback

Microsoft Azure Search resources, services, and docs (G+)

Home > kubernetes

kubernetes | Load balancing rules

Load balancer

+ Add ⏪ Refresh | ⏷ Delete

A load balancer rule is used to define how incoming traffic is distributed to the all the instances within the backend pool. A load-balancing rule maps a given frontend IP configuration and port to multiple backend IP addresses and ports. An example would be a rule created on port 80 to load balance web traffic. [Learn more.](#)

Filter by name...

Name ↑	Protocol ↑	Backend pool ↑	Health probe ↑
a05d1c4e533b1495798514cb0b048	TCP/80	kubernetes	a05d1c4e533b1495798514cb0b...

Give feedback

Microsoft Azure Search resources, services, and docs (G+)

Home > Resource groups > MC_Grocy-Here-RG_grocyherecluster_centralindia >

kubernetes-a05d1c4e533b1495798514cb0b048706

Public IP address

Associate Dissociate Delete Move Refresh Open in mobile

Essentials

Resource group (move) : mc_grocy-here-rg_grocyherecluster_centralindia	SKU : Standard
Location (move) : Central India	Tier : Regional
Subscription (move) : Azure for Students	IP address : 20.244.79.162
Subscription ID : 8cdfb4e4-0e7b-4752-8af8-ebb02ce7af44	DNS name : -
	Associated to : kubernetes
	Virtual machine : -
	Routing preference : Microsoft network

Tags ([edit](#)) : k8s-azure-cluster-name : kubernetes k8s-azure-service : default/ubuntu-app-service

Get Started Properties Tutorials

Use public IP addresses for public connections to Azure resources

Associate and configure public IP addresses to various Azure resources [Learn more.](#)

Associate to a resource Configure a public IP address Protect IP address

Microsoft Azure Search resources, services, and docs (G+)

Home > MC_Grocy-Here-RG_grocyherecluster_centralindia > aks-agentpool-50822147-nsg

Network security group

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Inbound security rules Outbound security rules Network interfaces Subnets Properties Locks Monitoring Alerts

Move Delete Refresh Give feedback

Location : Central India Associated with : 0 subnets, 1 network interfaces

Subscription (move) : Azure for Students Subscription ID : 8cdfb4e4-0e7b-4752-8af8-ebb02ce7af44 Tags (edit) : Add tags

Filter by name Port == all Protocol == all Source == all Destination == all Action == all

Priority ↑↓	Name ↑↓	Port ↑↓	Protocol ↑↓	Source ↑↓	Destination ↑↓	Action ↑↓
Inbound Security Rules						
500	a05d1c4e533b149579...	80	Tcp	Internet	20.244.79.162	Allow
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalanc...	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny
Outbound Security Rules						
65000	AllowVnetOutBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowInternetOutBound	Any	Any	Any	Internet	Allow
65500	DenyAllOutBound	Any	Any	Any	Any	Deny

Microsoft Azure Search resources, services, and docs (G+)

Home > MC_Grocy-Here-RG_grocyherecluster_centralindia > aks-agentpool-50822147-nsg

aks-agentpool-50822147-nsg | Inbound security rules

Network security group

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Inbound security rules Outbound security rules Network interfaces Subnets Properties Locks Monitoring Alerts

Add Hide default rules Refresh Delete Give feedback

Network security group security rules are evaluated by priority using the combination of source, source port, destination, destination port, and protocol to allow or deny the traffic. A security rule can't have the same priority and direction as an existing rule. You can't delete default security rules, but you can override them with rules that have a higher priority. [Learn more](#)

Filter by name Port == all Protocol == all Source == all Destination == all Action == all

Priority ↑↓	Name ↑↓	Port ↑↓	Protocol ↑↓	Source ↑↓	Destination ↑↓	Action ↑↓
500	a05d1c4e533b149579...	80	Tcp	Internet	20.244.79.162	Allow
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalanc...	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny

Note: Every content of this project including web-application is genuine and created by us and we have not followed any You-tube video or any resources for making this project.

Thankyou...