

# Cloud Deployment Summary Report

Date: 2025-06-22

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## 1. AWS EC2 Terminal

Apache server is running successfully on the AWS EC2 instance as shown.

aws [Alt+S] Europe (Stockholm) KISHORE S

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance (i-0aa828873cfe468b8)

► Launch log

**Next Steps**  
What would you like to do next with this instance, for example "create alarm" or "create backup"

**Create billing and free tier usage alerts**  
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.  
[Create billing alerts](#)

**Connect to your instance**  
Once your instance is running, log into it from your local computer.  
[Connect to instance](#)  
[Learn more](#)

**Connect an RDS database**  
Configure the connection between an EC2 instance and a database to allow traffic flow between them.  
[Connect an RDS database](#)  
[Create a new RDS database](#)  
[Learn more](#)

**Create EBS snapshot policy**  
Create a policy that automates the creation, retention, and deletion of EBS snapshots.  
[Create EBS snapshot policy](#)

**Manage detailed monitoring**

**Create Load Balancer**

**Create AWS budget**

**Manage CloudWatch alarms**

```
dbus-broker.service loaded active running D-Bus System Message Bus
dracut-shutdown.service loaded active exited Restore /run/initramfs on shutdown
getty@tty1.service loaded active running Getty on tty1
gssproxy.service loaded active running GSSAPI Proxy Daemon
httpd.service loaded active running The Apache HTTP Server
irqbalance.service loaded active running irqbalance daemon
kmod-static-nodes.service loaded active exited Create List of Static Device Nodes
libstoragemgmt.service loaded active running libstoragemgmt plug-in server daemon
policy-routes@ens5.service loaded active exited Set up policy routes for ens5
rpc-statd-notify.service loaded active exited Notify NFS peers of a restart
serial-getty@ttyS0.service loaded active running Serial Getty on ttyS0
sshd.service loaded active running OpenSSH server daemon
sysstat.service loaded active exited Resets System Activity Logs
systemd-boot-update.service loaded active exited Automatic Boot Loader Update
systemd-fsck-root.service loaded active exited File System Check on Root Device
systemd-fsck@dev-disk-by\x2duuid-24B3\x2d1083.service loaded active exited File System Check on /dev/disk/by-uuid/24B3-1083
systemd-homed-activate.service loaded active exited Home Area Activation
systemd-homed.service loaded active running Home Area Manager
systemd-journal-flush.service loaded active exited Flush Journal to Persistent Storage
systemd-journald.service loaded active running Journal Service
systemd-logind.service loaded active running User Login Management
systemd-network-generator.service loaded active exited Generate network units from Kernel command line
systemd-networkd-wait-online.service loaded active exited Wait for Network to be Configured
systemd-networkd.service loaded active running Network Configuration

[ec2-user@ip-172-31-41-4 ~]$ sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service.
[ec2-user@ip-172-31-41-4 ~]$
```

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Fri Jun 20 08:18:17 2025 from 13.48.4.202
[ec2-user@ip-172-31-41-4 ~]$ sudo yum update -y
Last metadata expiration check: 0:14:22 ago on Fri Jun 20 08:19:10 2025.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-41-4 ~]$ sudo yum install httpd -y
Last metadata expiration check: 0:14:36 ago on Fri Jun 20 08:19:10 2025.
Package httpd-2.4.62-1.amzn2023.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
```

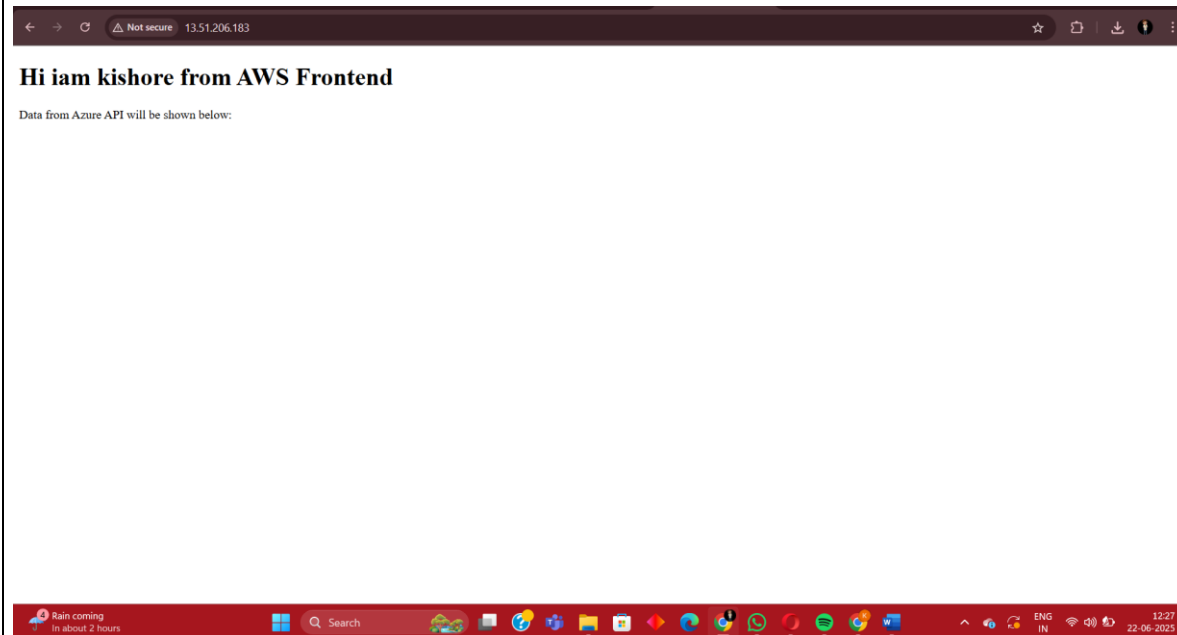
```
GNU nano 8.3 /var/www/html/index.html
<!DOCTYPE html>
<html>
<head>
  <title>Multi-Cloud Frontend</title>
</head>
<body>
  <h1>Hi iam kishore from AWS Frontend</h1>
  <p>Data from Azure API will be shown below:</p>
  <div id="api-data"></div>

  <script>
    fetch('https://your-azure-api-url/data')
      .then(response => response.json())
      .then(data => {
        document.getElementById("api-data").innerText = data.message;
      });
  </script>
</body>
</html>
```

^G Help ^O Write Out ^F Where Is ^K Cut [ Read 19 lines ] ^C Location ^U Undo ^M-A Set Mark ^M-] To Bracket ^M-B Previous  
^X Exit ^R Read File ^\ Replace ^V Paste ^G Justify ^\_ Go To Line ^M-R Redo ^M-G Copy ^B Where Was ^M-F Next

## 2. Frontend from EC2 (<http://13.51.206.183>)

The browser successfully loads the frontend HTML page from AWS EC2.



### 3. Azure Web App

Azure Web App is deployed correctly, serving a Flask application and API link.

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

skishore210905@gmail...  
DEFAULT DIRECTORY (SKISHORE...)

Home >

Microsoft.Web-WebApp-Portal-6c4ee699-b19b | Overview

Deployment

Search

DeleteCancelRedeployDownloadRefresh

Overview

Inputs

Outputs

Template

✓

Your deployment is complete

Deployment name

: Microsoft.Web-WebApp-Portal-6c4ee699-b19b

Subscription

: [Azure subscription 1](#)

Resource group

: [codtech\\_group](#)

Start time

: 6/22/2025, 11:16:00 AM

Correlation ID

: d49ceb5-a7d7-49af-9207-870548a8952b

>

Deployment details

✓

Next steps

Go to resource

Cost management

Get notified to stay within your budget and prevent unexpected charges on your bill.

[Set up cost alerts >](#)

Microsoft Defender for Cloud

Secure your apps and infrastructure

[Go to Microsoft Defender for Cloud >](#)

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Work with an expert

Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

[Find an Azure expert >](#)

```
Last login: Sun Jun 22 06:11:50 2025 from 169.254.129.4
```



A large, stylized yellow hexagonal logo with the text "SERVICE ON LINUX" inside it. The logo is composed of a series of connected lines forming a hexagonal shape, with the words "SERVICE ON LINUX" written in a bold, sans-serif font across the center.

Documentation: <http://aka.ms/webapp-linux>  
Python 3.10.17

```
Note: Any data outside '/home' is not persisted
-bash: antenv/bin/activate: No such file or directory
root@codtech-fl-6477e264:/home/site/wwwroot# cd /home/site/wwwroot/flaskapp
root@codtech-fl-6477e264:/home/site/wwwroot/flaskapp# nano app.py
```

```
GNU nano 5.4
from flask import Flask
app = Flask(__name__)

@app.route('/')
def home():
    return '''
    <h1>Welcome to CodTech Flask App</h1>
    <p>This is hosted on Azure Web App.</p>
    <p><a href="/data">Click here for API</a></p>
    '''

@app.route('/data')
def data():
    return {"message": "Hello from Azure API"}

if __name__ == '__main__':
    app.run(host='0.0.0.0', port=8000)
```

```

[ Read 48 lines ]
[ Help Write Out Where Is Cut Execute Location M-U Undo M-A Set Mark M-] To Bracket M-] Previous
[ Exit Read File Replace Paste Justify M-C Location M-E Redo M-C Copy M-] Where Was M-] Next
[ Menu ssh:/root@169.254.129.5:2222 SSH CONNECTION ESTABLISHED ]

```



## Welcome to CodTech Flask App

This is hosted on Azure Web App.

[Click here for API](#)



LINK :

<https://codtech-flask-api-2025-badmdzhruafgcj.centralindia-01.azurewebsites.net/>



Pretty-print ☐

```
{"message":"Hello from Azure API"}
```

