

Module 10

Part 2 Labs

By:

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Lab 1:

EC 2 UBUNTU Instance Free Tier

← → ↻ ap-southeast-1.console.aws.amazon.com/ec2/home?region=ap-southeast-1#Instances:instance-state-local!=%5C=terminated;v=3;\$case=t... ☆ 📶 📁 ⬇️ 🌐 ⋮

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Dashboard < EC2 Global View Events

▼ **Instances**

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances

Instances (1/1) [Info](#) Last updated less than a minute ago [Connect](#) [Instance state ▾](#) [Actions ▾](#) [Launch instances ▾](#)

[All states ▾](#)

[Instance state \(client\) != terminated](#) ✕ [Clear filters](#) < 1 > ⚙️

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm statu
<input checked="" type="checkbox"/>	DFapp	i-0be1df260e9bae59b	Running	t2.micro	2/2 checks passed	View alarm

Lab 1:

EC 2 UBUNTU Instance Free Tier

← → ↻ ap-southeast-1.console.aws.amazon.com/ec2/home?region=ap-southeast-1#InstanceDetails:instanceId=i-0be1df260e9bae59b ☆ 📶 📄 📄 📄 📄

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☰ EC2 > Instances > i-0be1df260e9bae59b 🏠 🖨️

Dashboard <

EC2 Global View

Events

▼ Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

▼ Images

- AMIs
- AMI Catalog

Instance summary for i-0be1df260e9bae59b (DFapp) [Info](#)

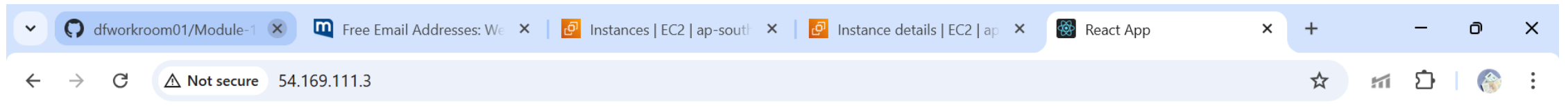
🔄 [Connect](#) [Instance state ▼](#) [Actions ▼](#)

Updated less than a minute ago

Instance ID 🔗 i-0be1df260e9bae59b	Public IPv4 address 🔗 54.169.111.3 open address 📄	Private IPv4 addresses 🔗 172.31.25.252
IPv6 address -	Instance state ✅ Running	Public IPv4 DNS 🔗 ec2-54-169-111-3.ap-southeast-1.compute.amazonaws.com open address 📄
Hostname type IP name: ip-172-31-25-252.ap-southeast-1.compute.internal	Private IP DNS name (IPv4 only) 🔗 ip-172-31-25-252.ap-southeast-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding 📘 Opt-in to AWS Compute Optimizer for recommendations.
Auto-assigned IP address 🔗 54.169.111.3 [Public IP]	VPC ID 🔗 vpc-0843bd2c8640d8c31 📄	

Lab2:

Hosted Application from Docker to AWS



Simple Calculator

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Lab2:

Hosted Application from Docker to AWS

The screenshot displays the AWS Management Console interface for an EC2 instance. The browser address bar shows the URL: `ap-southeast-1.console.aws.amazon.com/ec2/home?region=ap-southeast-1#InstanceDetails:instanceId=i-0be1df260e9bae59b`. The console header includes the AWS logo, a search bar, and navigation icons. The left sidebar shows the navigation menu with categories like Dashboard, EC2 Global View, Events, Instances, and Images. The main content area is titled "i-0be1df260e9bae59b" and features tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The "Details" tab is active, showing a table of instance properties.

▼ Instance details Info		
AMI ID ami-047126e50991d067b	Monitoring disabled	Platform details Linux/UNIX
AMI name ubuntu/images/hvm-ssd-gp3/ubuntu-no-ble-24.04-amd64-server-20240927	Allowed image -	Termination protection Disabled
Stop protection Disabled	Launch time Wed Dec 04 2024 13:14:21 GMT+0800 (Singapore Standard Time) (about 1 hour)	AMI location amazon/ubuntu/images/hvm-ssd-gp3/ubuntu-noble-24.04-amd64-server-20240927
Instance auto-recovery Default	Lifecycle normal	Stop-hibernate behavior Disabled
AMI Launch index 0	Key pair assigned at launch DFapp	State transition reason -
Credit specification standard	Kernel ID -	State transition message -

The footer of the console shows "CloudShell", "Feedback", and copyright information: "© 2024, Amazon Web Services, Inc. or its affiliates." along with links for "Privacy", "Terms", and "Cookie preferences".

Lab2:

Hosted Application from Docker to AWS

Create and run a new container from an image

```
ubuntu@ip-172-31-25-252:~$ sudo docker run -d -p 5000:5000 dfworkroom01/calculator-backend  
9052f898760dc1e772dc79d506f4b78e28ecc45c5bab71a9b7dfe4c9d11b88a2
```

```
ubuntu@ip-172-31-25-252:~$ sudo docker run -d -p 80:80 dfworkroom01/calculator-frontend  
c89a93750d4ceb82c5c8697c8febc2516b3cdf963c0b1c1854750f73a09466eb
```

```
ubuntu@ip-172-31-25-252:~$ █
```

Lab 3:

Git-Beanstalk

```
ubuntu@ip-172-31-25-252:~$ sudo ./aws/install
You can now run: /usr/local/bin/aws --version
ubuntu@ip-172-31-25-252:~$ aws --version
aws-cli/2.22.10 Python/3.12.6 Linux/6.8.0-1016-aws exe/x86_64.ubuntu.24
ubuntu@ip-172-31-25-252:~$ aws configure
AWS Access Key ID [None]:
AWS Secret Access Key [None]:
Default region name [None]:
Default output format [None]:
ubuntu@ip-172-31-25-252:~$ eb --version
eb: command not found
ubuntu@ip-172-31-25-252:~$
```

```
PS C:\Users\Dewi F. Wong\Documents\161\IMDA PB\MODUL 10\GitAWSM10Lab3P2> npm list -g eb-cli
>>
C:\Users\Dewi F. Wong\AppData\Roaming\npm
└─ eb-cli@1.0.0
```