## **DES424 Cloud-based Application Development**

ICT, SIIT ID: 6422782423

Instructor: Dr. Apichon Witayangkurn Name: Teetawat Bussabarati

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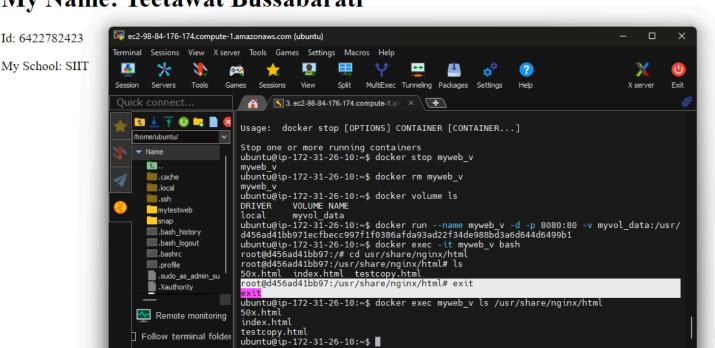
For this tutorial, you will practice on docker and how to deploy it both in local and on azure. It consists of multiple sub-topics with checkpoints. At each checkpoint, you will need to capture the screen and paste them here on this sheet.

ssh via mobaxterm or `ssh -i "C:\Users\mew\Documents\college\cloud\docker\labsuser.pem" ubuntu@54.226.208.36`

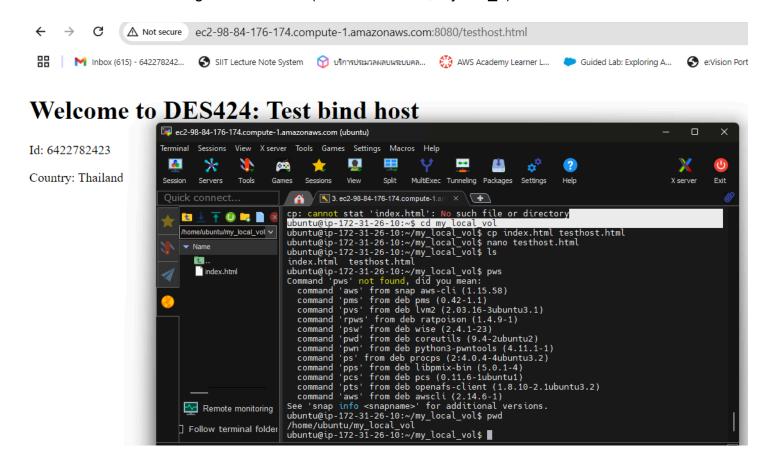
1. Check Point: working with docker volume (internal volume, myweb\_v)



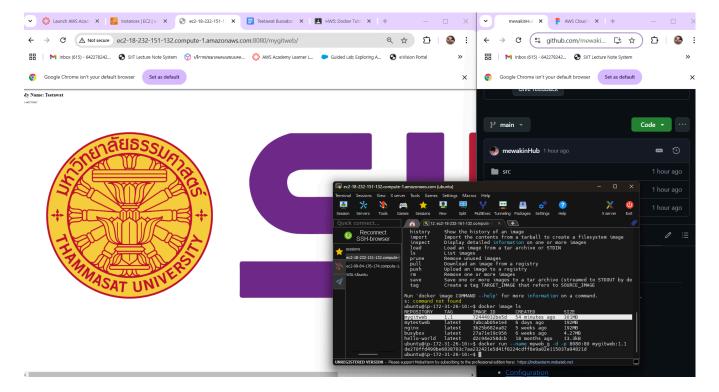
## My Name: Teetawat Bussabarati



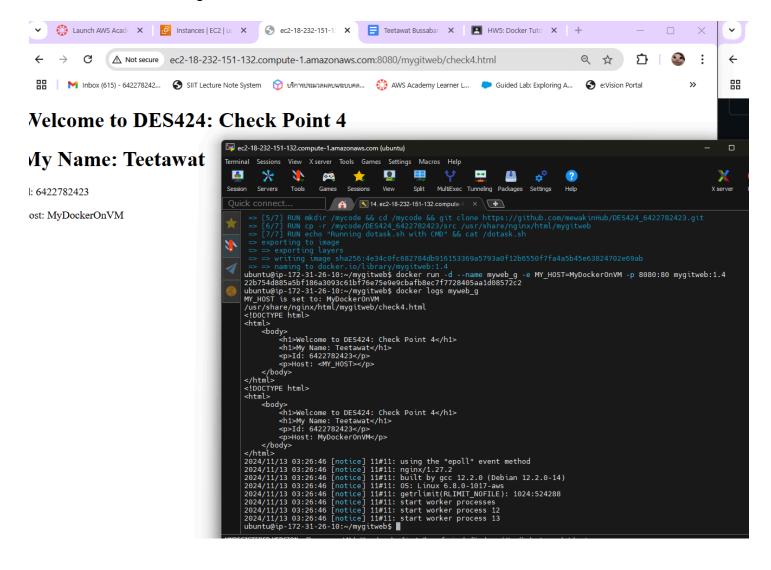
2. Check Point: working with bind host (external volume, myweb h)



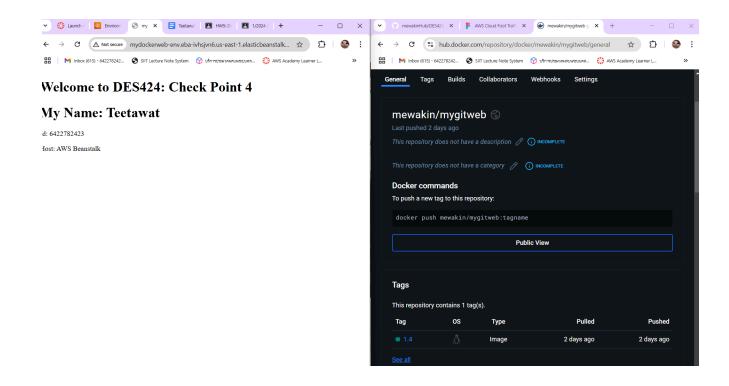
3. Check Point: working with dockerfile and build arguments



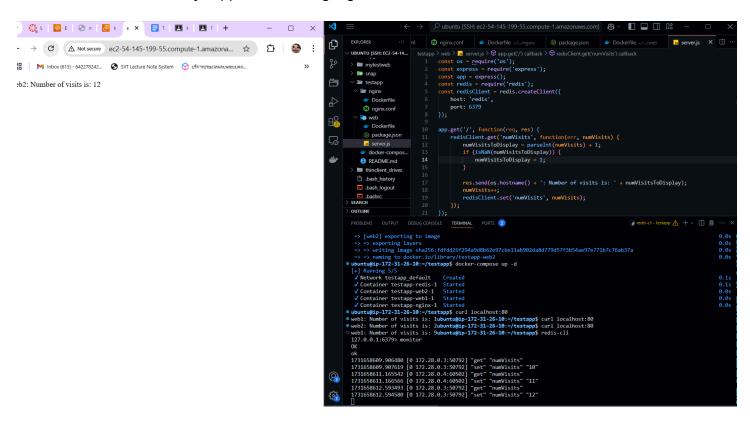
4. Check Point: working with dockerfile and environment



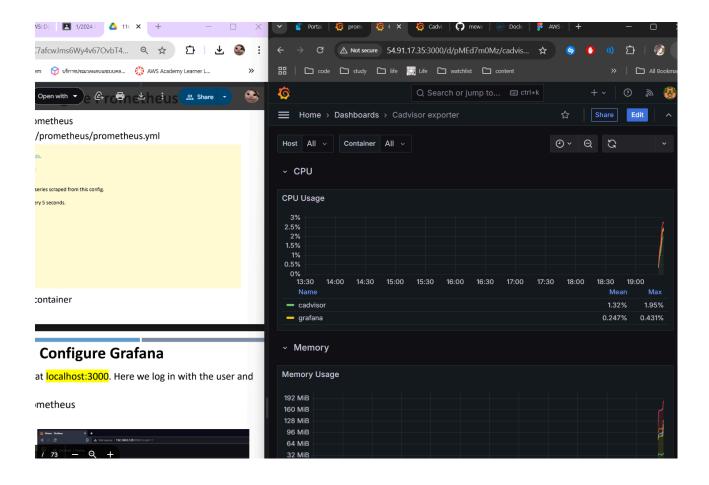
5. Check Point: deploy your container on Azure App Service

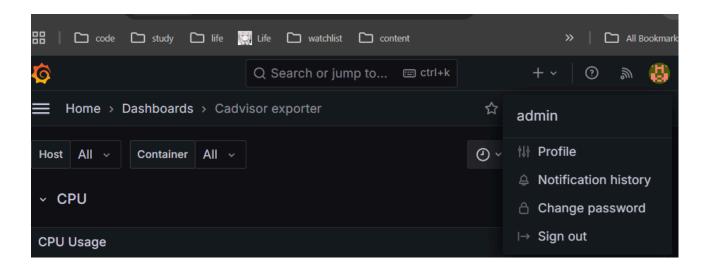


6. Check Point: A Node.js application using Nginx, Docker, and Redis



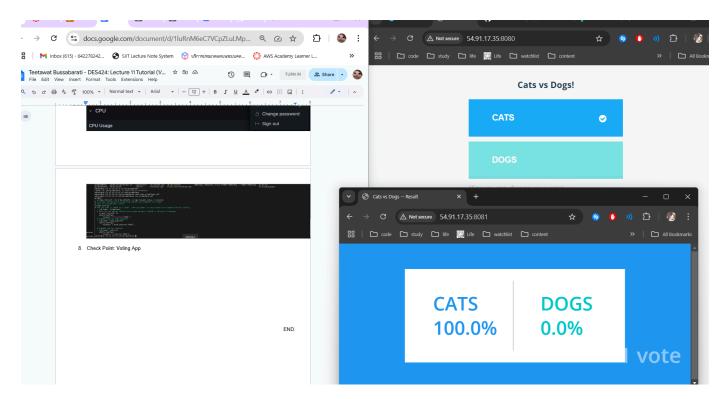
7. Check Point: dashboard for monitoring dockers





```
| 21fb1408f5fc portainer/portainer-ce "/portainer" 53 seconds app Up 48 seconds 8000/tcp, 9443/tcp, 0.0.0.09000>9000/tcp, :::9000>9000/tcp portainer distracted_payne ubuntuality-172-31-28-19-sc d etc/promethus: No such file or directory ubuntuality-172-31-28-19-sc d /etc/promethus unano promethus, yml ubuntuality-172-31-28-19-sc d /etc/promethus, yml ubuntuality-172-31-28-19-sc d /etc/promethu
```

## 8. Check Point: Voting App



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| Control Control | Control Control | Control Control
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Last login: Sum Nov 17 12:00:22 2024 from 110:109:136.84

ubuntUpip:172:31-25-19:-$ docker ps
COMMAND 7 7 minutes ago Up 7 minutes (healthy)
Fibbs.1df570;
Fibbs.1df570;
Fibbs.1df570;
Fibbs.1df570;
Fibbs.1df570;
Fibbs.1df570;
Fibbs.1df570;
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