JENKINS SESSION 6

DOCKER INTEGRATION AND BUILDING IMAGE PIPELINES

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INTRO

- Setup docker and integrate it with Jenkins

DOCKER IMAGES IN JENKINS

- Docker-Jenkins integration is a widely used enterprise solution for rapid code to deployment.
- This enables developers to build code and go straight to deployment on cloud environments.
- Integration steps are added in the upcoming slides

CONFIGURING DOCKER

```bash
#!/bin/bash

# Docker Socket Configuration for Jenkins (WSL)
echo "🐳 Configuring Docker Socket Access for Jenkins"

# Method 1: Add jenkins user to docker group
echo "Adding jenkins user to docker group..."
sudo usermod -aG docker jenkins

# Method 2: Set proper permissions on docker socket
echo "Setting docker socket permissions..."
sudo chmod 666 /var/run/docker.sock
```

BUILDING A DOCKERFILE

- Currently permissions have been setup
- Next step is to try a build an image

WORKING SESSION

- Build a python application, add the necessary requirements/libraries, tests
- Create a dockerfile for the same
- Build a jenkins pipeline to create an image for this app

THANK YOU