Workshop: Module 08

Continuous Delivery

Agenda

1000   **Welcome and Register**

Part 1: Docker Hub
- Recap (10 mins)
- Exercise – Publish to Docker Hub (110 mins)

1200   **Lunch Break (1 hour)**

1300   **Part 2: Heroku**
- Recap (5 mins)
- Exercise – Deploy to Heroku (150 mins)
- Discussion

Part 1

Docker Hub

Recap

Continuous Delivery

Continuous delivery pipelines are often built on top of continuous integration pipelines.

Goal is to automate the deployment process but may need to be triggered manually (as to not release by accident).

- Please note that some CI pipelines will deploy to test environments automatically.

Main Benefits:

- Saves time
- Simpler, safer deployments
- Deployments won't interfere with other work
- Speeds up testing

Recap

Docker Hub

- Docker image registry

- Upload, share, collaborate

- Free

- You've used this already!

- Most official images (e.g. .Net images) are uploaded to Docker Hub.

Exercise

Publish to Docker Hub

Exercise – Publish to Docker Hub

In this exercise we're going to publish a docker container image for the .NET Core app from workshop 7 to Docker Hub.

GitHub Repo Link

Follow the instructions for Workshop 8, Part 1

Part 2

Heroku

Recap

Heroku

- Cloud application platform

- Free for non-commercial apps

- Supports apps made with Node.js, Ruby, Python, Java, PHP, Go, Scala and Clojure

- Often linked to online code repositories

- Also supports other tech stacks if deployed with docker

- Easy to set up

Exercise

Deploy to Heroku

Exercise – Deploy to Heroku

In this exercise we're going to deploy the .NET Core app to Heroku.

[GitHub Repo Link](GitHub_Repo_Link)

Part 2

Thank You!