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Docker Course

Description:

Docker is an open platform that allows developers and system administrators to create, ship, and execute distributed applications on laptops, datacentre virtual machines, and the various cloud services. This course uses straightforward and easy-to-understand lectures to explain Docker to an absolute Beginner. This course will help you practise Docker commands and construct your own images using Dockerfiles, as well as Docker Compose. You will be creating Docker files for various use cases. You won't need to set up your own environment to gain some hands-on experience this way.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Course material

Course resources

On demand recorded videos

Practical exercises

Quizzes

Assignments

Course completion certificate

What we learn:

Docker containers

Containers vs virtual machines

Docker fundamentals

Custom Docker images

Multi container setup

Nginx

Docker AWS

TravisCI

Requirements:

System with minimum i3 processor or better

At least 4 GB of RAM

Working internet connection

Dedication to learn

Instructor:

Name:

Hitesh Choudhary

Description:

I like to make videos related to code and tech in my free time. I also lead a few tech teams in startups, help in hiring talent for companies. I am also on a part time traveller, with 31 countries checked off so far!

>Docker Installation Basics:

>>What is Docker?

>> How to install Docker and Hello World

>>What is container in Docker

>>Docker vs Virtual Machine

>>First interaction with busy box image

>Fundamentals of docker:

>>Docker lifecycle and PS

>>Start and delete a container

>>Getting a mongodb container for fun

>>Exploring exec command

>>Multiple ways to get inside a container

>Custom Docker images:

>>Analogy for custom docker image

>>Our first base image and custom image

>>Behind the scene for custom image

>>Creating a custom mongodb image

>>Concept of caching in docker

>>Provide a custom name for your image

>Project and Docker:

>>Introduction to node project for docker

>>Introduction to node project for docker part 2

>>Containerize a node application

>>Performance upgrade in node project container

>Multi container setup:

>>Introduction to multi docker container

>>A mini mongo connector project

>>Put your node code in a container

>>Introduction to docker compose

>>Connect 2 compose images in docker

>>Access the compose container app with browser

>Ngnix - production grade deployment:

>>Ngnix A production grade docker

>>Attaching volumes in Docker

>>Types of docker files

>>Dev test and production stages

>>Understand react project for docker deployment

>>Docker for development

>>Docker for testing

>>Docker for production

>Docker AWS and Travis CI:

>>Docker CI and AWS

>>What is CI CD Jenkins vs Travis CI

>>Moving to AWS Elastic Beanstalk

>>Moving project to GitHub repo

>>Reading Travis CI documentation

>>Writing our 1st Travis CI config file

>>AWS IAM user generation

>>Elastic Beanstalk and S3 bucket

>>Finally hosting app on AWS with CI integrated with docker

>>TURN OFF those AWS apps