



Webinar Topic: - Introduction to Openshift, Kubernetes and Containers

Name of College: - A. P Shah Institute of Technology, Kasarvadavali,
Ghodbunder Road, Thane
(Maharashtra)

Department: - Information Technology

Date: - 22/06/2022

Participants: - 91

Targeted Audience: Students of TE div A and div B Information Technology

Speaker: - 1)Prof.Neha Deshmukh
2)Prof.Vishal Badgujar

Faculty Accompanied: -

- 1)Prof. Manasi choche
- 2)Prof. Sonal Jain

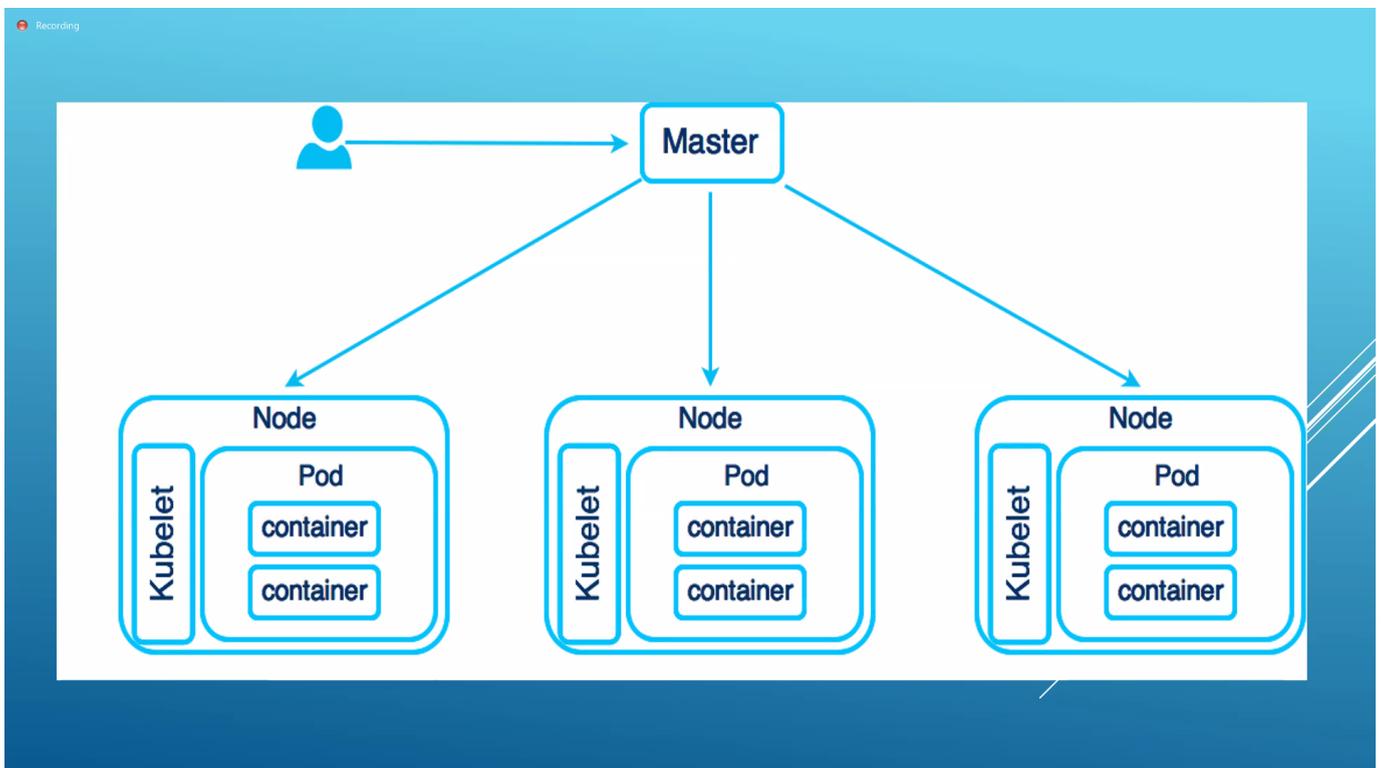
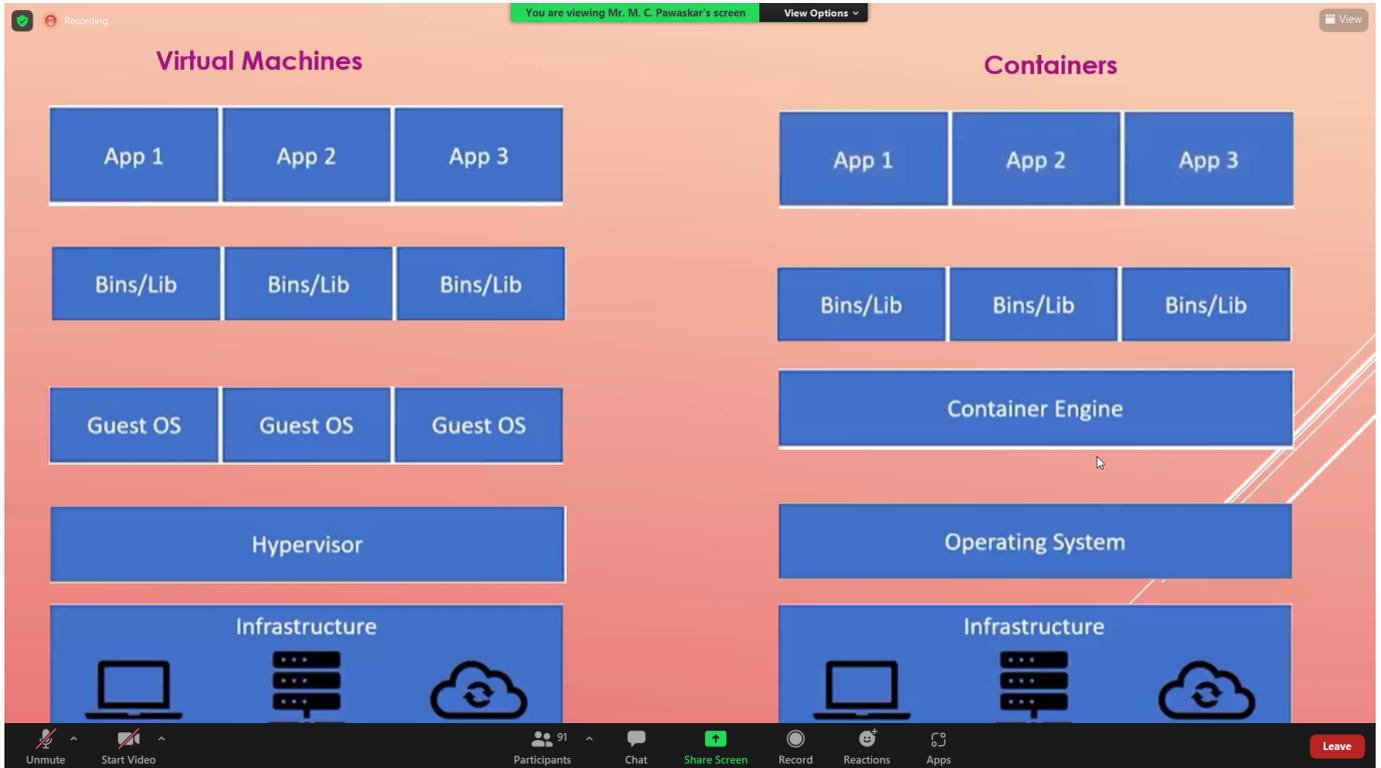
Aim of webinar: - This webinar helped students build core knowledge and skills in managing containers through hands-on experience with containers, Kubernetes, and the Red Hat OpenShift Container Platform needed for multiple roles, including developers, administrators and site reliability engineers. OpenShift and Kubernetes continue to become widely adopted, developers are increasingly required to understand how to develop, build and deploy applications with a containerized application platform. While some developers are interested in managing the underlying infrastructure, most developers want to focus on developing applications and using OpenShift for its simple building, deployment, and scaling capabilities. Prof. Neha Deshmukh and Prof.Vishal Badgujar helped us explore the lab environment as well as the course content given in the course DO180 and DO101.



Some Screenshots:

The screenshot shows a Zoom meeting interface. At the top, there are participant avatars for '20104076_Aagya...', 'aws', 'EM JEMIN Bhanushali', 'Hamza Ansari', and 'Disha Panchal'. Below them is a browser window displaying the Red Hat Academy course page for 'Red Hat OpenShift I: Containers & Kubernetes 4.6'. The page has tabs for 'Table of Contents', 'Course', and 'Lab Environment'. The 'Table of Contents' is expanded, showing sections like 'Preface A: Introduction', 'Chapter 1: Introducing Container Technology', 'Chapter 2: Creating Containerized Services', and 'Chapter 3: Managing Containers'. On the right side of the Zoom window, there is a 'Participants (78)' list with names and IDs, such as '20104076_AagyaSingh (Me)', 'Mr. M. C. Pawaskar (Host)', and '2_vaiashnavibhalerao'. At the bottom of the Zoom window, there are controls for 'Unmute', 'Start Video', 'Participants', 'Chat', 'Share Screen', 'Record', 'Reactions', 'Apps', and a 'Leave' button.

The screenshot shows a Zoom meeting in progress. At the top, there is a status bar indicating 'Recording' and 'You are viewing Mr. M. C. Pawaskar's screen'. Below this is a presentation slide with a blue background. The slide title is 'Software containers'. Below the title, there are four icons: a 3D cube, a laptop, a stack of server racks, and a cloud with a circular arrow inside. At the bottom of the Zoom window, there is a control bar with icons for 'Unmute', 'Start Video', 'Participants' (90), 'Chat', 'Share Screen', 'Record', 'Reactions', 'Apps', and a 'Leave' button.



Red Hat Academy Support FAQ English himanshurane12

Introduction to OpenShift Applications 4.6

Table of Contents Course Lab Environment

- Preface A: Introduction
 - Section A.1: Introduction to OpenShift Applications
 - Section A.2: Orientation to the Classroom Environment
- Chapter 1: Configuring a Cloud Application Developer Environment
 - Section 1.1: Developing Applications with VSCode
 - Section 1.2: Guided Exercise: Developing Applications with VSCode
 - Section 1.3: Initializing a Git Repository
 - Section 1.4: Guided Exercise: Initializing a Git Repository
 - Section 1.5: Managing Application Source Code with Git
 - Section 1.6: Guided Exercise: Managing Application Source Code with Git
 - Section 1.7: Summary
- Chapter 2: Deploying Applications to Red Hat OpenShift Container Platform
 - Section 2.1: Deploying an Application to Red Hat OpenShift Container Platform
 - Section 2.2: Guided Exercise: Deploying an Application to Red Hat OpenShift Container Platform
 - Section 2.3: Summary
- Chapter 3: Configuring Application Builds in OpenShift
 - Section 3.1: Updating an Application
 - Section 3.2: Guided Exercise: Updating an Application
 - Section 3.3: Configuring Application Secrets
 - Section 3.4: Guided Exercise: Configuring Application Secrets
 - Section 3.5: Connecting an Application to a Database
 - Section 3.6: Guided Exercise: Connecting an Application to a Database

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