



## **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.



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## Some Screenshots:

Zoom Meeting

20104076\_Aagy...  
20104076\_AagyaSingh

aws  
Mr. M. C. Pawaskar

J  
EM JEMIN Bhanushali

M  
Hamza Ansari

Disha Panchal

20104123\_Tejas Patil

Recording

You are signed in as npdeshrn... x DO180 - ch02 x DO180 - pr01 x DO180 - ch02 x +

https://ha.ole.redhat.com/rha/app/courses/do180-4.6/84ae23a1-5a3e-4b47-9559-833021315334/pages/ch02

Red Hat Academy Support FAQ

Red Hat OpenShift I: Containers & Kubernetes 4.6

Table of Contents Course Lab Environment Translations

Preface A: Introduction

Section A.1: Orientation to the Classroom Environment

Chapter 1: Introducing Container Technology

Section 1.1: Overview of Container Technology

Section 1.2: Quiz: Overview of Container Technology

Section 1.3: Overview of Container Architecture

Section 1.4: Quiz: Overview of Container Architecture

Section 1.5: Overview of Kubernetes and OpenShift

Section 1.6: Quiz: Describing Kubernetes and OpenShift

Section 1.7: Guided Exercise: Configuring the Classroom Environment

Section 1.8: Summary

Chapter 2: Creating Containerized Services

Section 2.1: Provisioning Containerized Services

Section 2.2: Guided Exercise: Creating a MySQL Database Instance

Section 2.3: Using Rootless Containers

Section 2.4: Guided Exercise: Exploring root and rootless containers

Section 2.5: Lab: Creating Containerized Services

Section 2.6: Summary

Chapter 3: Managing Containers

Section 3.1: Managing the Life Cycle of Containers

Section 3.2: Guided Exercise: Managing a MySQL Container

Participants (78)

Find a participant

20104076\_AagyaSingh (Me)

Mr. M. C. Pawaskar (Host)

2\_vashnavibhalerao

20104001\_Shreya Mahajan

20104002\_Vaishnavi Shinde

20104003\_VinayakSomvanshi

20104005\_Jaykumar Nayi

20104008\_Himanshu Rane

20104012\_Yash Umredkar

20104014\_Madhur Dukhande

20104019\_A\_Darpan Mhatre

20104021\_Sakshi Ahire

20104023\_Kevin Thakkar

20104024\_Mayur Jain

20104032\_Suraj Singh

20104042\_Nainisha Sharma

20104043\_Lakshit patil

Invite Unmute Me

Recording

You are viewing Mr. M. C. Pawaskar's screen View Options

View

Software containers

Icons representing a container, a laptop, a server rack, and a cloud with a refresh symbol.

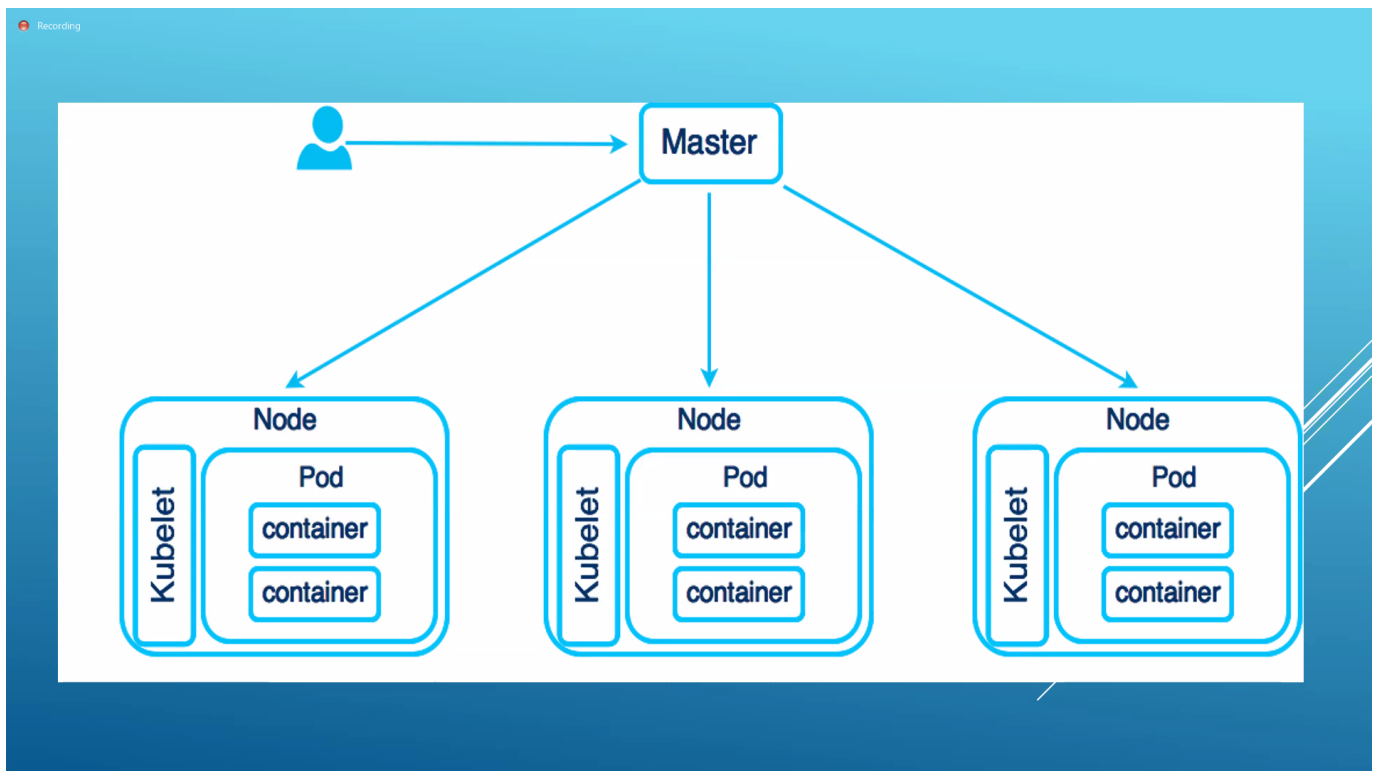
Unmute Start Video

Participants 90 Chat Share Screen Record Reactions Apps

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The screenshot shows the Red Hat Academy website interface. On the left is a sidebar with the Red Hat Academy logo and version 141, and a list of navigation links: 'Access Courses and Assignments', 'Access Student Resources', 'Give Feedback', and 'Get Support'. The main content area is titled 'Introduction to OpenShift Applications 4.6'. Below the title is a 'Table of Contents' section with three tabs: 'Table of Contents' (selected), 'Course', and 'Lab Environment'. The 'Table of Contents' tab lists the following sections and chapters:

- 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
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  - 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