



Institute for Development and Research in Banking Technology

(Established by Reserve Bank of India)

Castle Hills, Road No. 1, Masab Tank, Hyderabad-57, India.

e-Programme on

CONTAINERS AND KUBERNETES

May 16 – 19, 2023

Introduction

Containers and Kubernetes represent a modern way to package applications allowing development teams to move fast, deploy software efficiently, and operate at an unprecedented scale. These technologies have eliminated the feature parity between development and production environment by enabling developers to package applications and their dependencies as a single unit that can be run across diverse operating environments.

Objective

In this program, participants will learn fundamentals of containers and learn how build and deploy application using container technologies like C and Kubernetes. Further, participants can also learn about container security.

Contents

- Introduction to Containers
- Docker Architecture
- Docker File creation
- Docker images creation and management
- Docker Hub
- Hands on Build and deploy on Docker
- Overview of Kubernetes: Container Orchestration
- Kubernetes Architecture
- Installing Kubernetes clusters
- Hands on Build and deploy micro service on Kubernetes
- Container and Kubernetes Security

Mode of Teaching

Online teaching plus learning inputs through reading material, videos, webinars, assignments, quizzes, online interactions and clarifications. Each e-Programme will have four live webinars and course material will be made available in advance for study.

Who Can Participate?

Officers of Banks / Financial Institutions / Insurance Sector who work in Development team including developers, testers, architects. Level: Scale I to IV

End Use:

By end of this program, participants will have an excellent understanding of containers and Kubernetes, how to create containers, deploy micro services and also container security.

Programme Coordinator:

Dr. P. Syam Kumar, Assistant Professor, IDRBT; e-mail: psyamkumar@idrbt.ac.in

Fees:

For Indian Participants

- RRBs & Coop Banks: Rs. 11,800/- (Rs. 10,000/- + 18% GST)
- All Other Banks & Financial Institutions: Rs. 14,750/- (Rs. 12,500/- + 18% GST)

For International participants

- US \$ 220 (per participant, All inclusive)

Bank Account Details for Remittance of Fees

The fees for this e-programme can be remitted to the following accounts:

For Indian Participants

Account Name : IDRBT
Bank & Branch : Axis Bank Limited, Humayun Nagar, Mehdiapatnam, Hyderabad
Account No. : 426010100018823
MICR Code : 500211012
IFSC Code : UTIB0000426

For International participants

Receiver's Correspondent Bank : JP Morgan Chase, New York, USA
Swift Code : CHASUS33XXX
Fed Wire Routing Number : ABA 021000021
Beneficiary Bank & Branch : Axis Bank Ltd., Mumbai, India
Account Number : 0011407376
Beneficiary Bank Swift Code : AXISINBB

Ultimate Beneficiary

Account Name : IDRBT
Customer ID : 030021632
Account No. : 426010100018823
Bank & Branch : Axis Bank Ltd., Jubilee Hills, Hyderabad, India. (AXISINBB030)

Nominations

Banks may nominate any number of participants to these e-Programmes, which may be accepted on a first-cum-first-served basis. While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No/Phone No, email address, fees billing address, GST No. of the Bank).

Apart from nominations by banks, staff members of banks can self-nominate themselves for these e-Programmes by providing their employee credentials and paying the programme fee latest by **May 15, 2023**.

How to Register

The nominations for these e-Programmes, and queries if any, may please be sent to eprogram@idrbt.ac.in. Please visit <https://www.idrbt.ac.in/e-programmes> for more details about these programmes.

e-Programmes in May 2023

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Emerging Cyber Security Practices	08 – 11	Dr. Rajarshi Pal	May 05, 2023
2	Containers and Kubernetes	16 – 19	Dr. P. Syam Kumar	May 15, 2023
3	Security Operations Centre	May 29 – June 01	Dr. V. Radha	May 26, 2023
4	Introduction to Governance, Risk and Compliance	May 29 – June 01	Dr. Abhishek Thakur	May 26, 2023