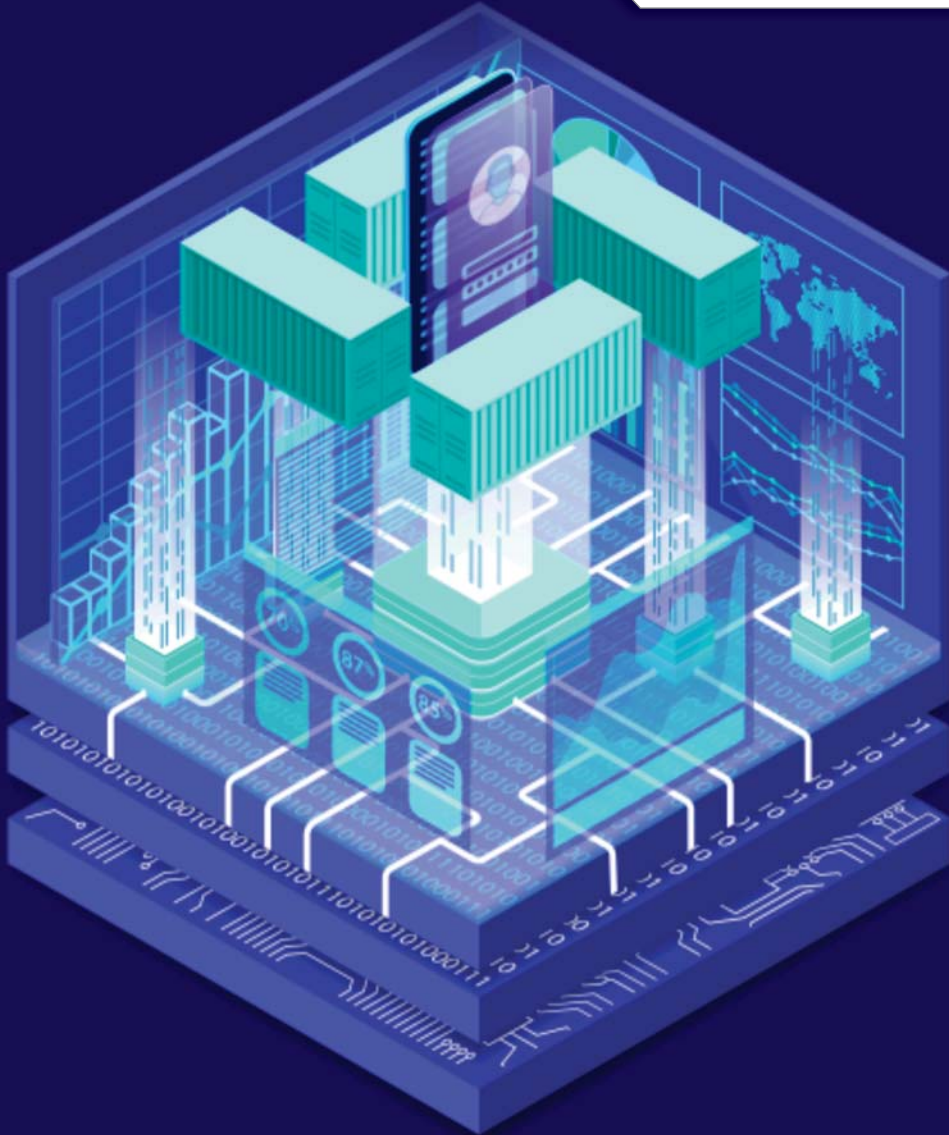


Programme on

CONTAINERIZATION

Coordinator: **Dr. P. Syam Kumar**

NOVEMBER 18 - 20, 2024
(Offline Mode)



INSTITUTE FOR DEVELOPMENT AND RESEARCH IN
BANKING TECHNOLOGY, HYDERABAD
(ESTABLISHED BY RESERVE BANK OF INDIA)

Introduction

In the recent years, container-based virtualization for applications has gained immense popularity thanks to the success of technologies like Docker, LXD and Kubernetes, etc., are witnessing widespread adoption in the industry today. These Container 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. Containerization is foundational for organizations wanting to build and leverage apps based on microservices where developers can focus on shipping features while DevOps platform teams focus on deployment and management. The Docker and Kubernetes are two pivotal tools used in the industry – Docker is a platform that enables developers to create, package, and distribute applications easily, and Kubernetes, is an open-source program for automating the deployment, scaling, and management of containerized applications. This course equips the participants with essential knowledge and hands-on experience in containerization, mainly focusing on Docker and Kubernetes.

Objective

In this program, participants will learn fundamentals of containers and also learn how build and deploy application using container technologies like Docker 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
- ★ DevOps
- ★ Overview of Kubernetes: Container Orchestration
- ★ Kubernetes Architecture
- ★ Installing Kubernetes clusters
- ★ Services, Pods,
- ★ Hands on Build and deploy on Docker and Kubenetes
- ★ Containers on Cloud
- ★ Container Security

Who can Participate?

Officers of Banks / Financial Institutions / Insurance Sector who work in Development team including developers, testers, architects.

End Use

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

Fee Details

Domestic Participants from

- ★ RRBs & Coop. Banks: Rs. 44,840/- (Rs. 38,000/- + 18% GST)
- ★ All other Banks & Fis: Rs. 53,100/- (Rs. 45,000/- + 18% GST)

The fees for our programmes can be remitted through NEFT and the bank account details for fee payment are here under:

Account Name : IDRBT
Bank : Axis Bank Limited
Branch : Humayun Nagar (Mehdipatnam Ring Road) Branch, Hyderabad
Account Number : 426010100018823
IFSC Code : UTIB0000426
GSTIN : 36AAAAI0204K1Z4.

Nominations

Nominations should be sent to us latest by **NOVEMBER 04, 2024** by email to program@idrbt.ac.in.

While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No / Phone No., email address) along with the nominating authority details (Name, Designation, Bank, Mobile No / Phone No., email address, Fees billing address, GST No. of the bank).

Accommodation

Participants will be provided Air Conditioned Single Occupancy room at IDRBT, Hyderabad, with all cafeteria facilities. The Participants can check-in on the evening of one day before the programme and can check-out after completion of the programme on the same day (or) in the morning of the next day of the programme.

Contact Us

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes at program@idrbt.ac.in or call us on +914023294121/22/24/25.

Programmes Scheduled in November 2024

S. No.	Programme	Date	Coordinator
1	API Security and Governance	04 - 07	Dr. V. Radha
2	Intelligent Process Automation	04 - 08	Dr. Mridula Verma
3	Social Media Analytics	04 - 09	Dr. V. Ravi
4	Quantum Computing	06 - 08	Dr. P. Syam Kumar
5	Containerization	18 - 20	Dr. P. Syam Kumar
6	Secure Mobile and Social Media Banking	20 - 22	Dr. V. N. Sastry
7	Payment Systems – New Initiatives	25 - 27	Dr. M. V. N. K. Prasad

Please visit our website for more details at : <https://www.idrbt.ac.in/offline-programmes>.



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