



# Institute for Development and Research in Banking Technology

(Established by Reserve Bank of India)

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

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e-Programme on

## INTRODUCTION TO VIRTUALIZATION AND CLOUD COMPUTING

September 22 - 25, 2020

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### Introduction

Virtualization technologies constitute a key enabling factor for flexible resource management in modern data centres. Various virtualization technologies contribute to the overall picture in different ways: server, storage etc. By using virtualization, Banks can save on escalating IT costs and improve the utilization of modern computer technology as virtualization provides relief by fundamentally changing the way IT resources managed and deployed.

Cloud computing provides flexible resource allocation on demand with the promise of realizing elastic, Internet-accessible, computing on a pay-as-you-go basis. Cloud offers or, rather, promises numerous benefits from both the technology perspective such as increased availability, flexibility, and functionality, and business perspective such as reduced capital and operational expenditure, and shorter turnaround times for new services and applications.

Hence, it is import for banks to learn virtualization, cloud computing technologies for adopting in banking sector.

### Objective

This program provides Theoretical and Practical experience on Virtualization & Cloud computing technologies for banks officials. This program also helps to learn how to adopt these technologies in banking sector.

### Contents

- Basics Virtualization
- Hypervisor tools
- Different types of Virtualization
- Containers
- Hands on Virtualization
- Overview of Cloud Computing
- Cloud Delivery and Deployment Models
- Cloud Adoption Strategies
- Open source Software's for Cloud computing
- Hands on Private cloud

## 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?

Officials working in IT implementation team and security management team at banks.

## End Use:

The end of this program, the bankers become masters in using virtualization and cloud computing technologies. The Bankers can able to adopt these emerging technologies in their banks.

## Programme Coordinator:

**Dr. P. Syam Kumar**, Assistant Professor, IDRBT;

E-mail: [psyamkumar@idrbt.ac.in](mailto:psyamkumar@idrbt.ac.in)

## Fees:

### **For Indian Participants**

- RRBs & Coop Banks: Rs. 8,850/- (Rs. 7,500/- + 18% GST)
- All Other Banks & FI's: Rs. 11,800/- (Rs. 10,000/- + 18% GST)

### **For International participants**

- US \$ 175 (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 **September 21, 2020**.

## How to Register

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

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### e-Programmes in September 2020

S. No.	Name of the e-Programme	e-Programme Date	e-Programme Coordinator	Last Date for Nomination
1	Secure Banking Solutions Amidst and Post COVID-19	Sep 01 - 04, 2020	Dr. Susmita Mandal	<b>Aug 28, 2020</b>
2	Big Data Analytics for Banks	Sep 07 - 10, 2020	Dr. Vadlamani Ravi	<b>Sep 04, 2020</b>
3	Chatbots for Customer Engagement	Sep 08 - 11, 2020	Dr. Mridula Verma	<b>Sep 04, 2020</b>
4	Introduction to Authentication Techniques	Sep 14 – 17, 2020	Dr. M. V. N. K. Prasad	<b>Sep 11, 2020</b>
5	Workshop on Registration Authority Operations	Sep 15 – 18, 2020	Dr. N. P. Dhavale	<b>Sep 11, 2020</b>
6	RBI Guidelines on Cyber Security	Sep 15 – 18, 2020	Dr. Dipanjan Roy	<b>Sep 11, 2020</b>
7	Secure Coding Practices	Sep 21 – 24, 2020	Dr. V. Radha	<b>Sep 18, 2020</b>
8	Early Detection of Cyber Attacks – A Proactive Approach	Sep 22 – 25, 2020	Dr. B. M. Mehtre	<b>Sep 18, 2020</b>
9	Introduction to Virtualization and Cloud Computing	Sep 22 – 25, 2020	Dr. P. Syam Kumar	<b>Sep 18, 2020</b>
10		Sep 28 – Oct 01, 2020	Dr. Rajarshi Pal	<b>Sep 25, 2020</b>
11	Basics of IT Vendor Management	Sep 28 – Oct 01, 2020	Dr. Abhishek Kumar	<b>Sep 25, 2020</b>