



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

BASICS OF SOFTWARE DEFINED NETWORKS

July 14 - 17, 2020

Introduction

Delivery of banking and financial products & services is happening through networks, for at least last two decades. In post COVID scenario it has become all the more critical to remain physically disconnected and digitally connected.

Our data centres, servers, applications, staff, customers are all connected through networks. With pressure on banks' balance sheets in covid related economic downturn, digital threats and frauds on one hand and budget constraints on the other, it has become all the more critical, and extremely important to achieve network connectivity in a cost effective and secure way.

This e-programme gives the basic understanding of SDN including concepts. It covers applications of SDN including security aspects and basics of an open source SDN platform that participants can try hands on after undergoing this e-programme.

Objective

This e-programme will help participants to relate to the advancements in networking field happening around them and what follows in near future. It will facilitate insight and understanding of SDN. In today's digitized world, in the context of post-covid social distancing norms, the importance of networks in banking domain cannot be overstated. It will facilitate participants' organisations in design, delivery and maintenance of secure, efficient and cost effective networks.

Contents

- What is Software-defined networking - SDN, Introduction
- History of SDN and Concepts, need for SDN
- SDN architecture, Control Plane and Flow forwarding concepts
- Applications of SDN: Software-defined mobile networking (SDMN), SD-WAN, SD-LAN, how to enable, facilitate or enhance network-related security applications
- Group Data Delivery Using SDN, Network Function Virtualization, Deep Packet Inspection and SDN
- Case Study - Network Resource Optimization using OpenDaylight (an open source SDN Platform)

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 from IT departments, Officers posted in Banks' data centres, Officers managing banks' networks, Officers who are handling and managing banks' critical data going through networks.

End Use:

To provide basic understanding of software defined networks, for enriched user experience of connectivity and to help network connectivity providers in the bank in fulfilling their duty in an efficient and secure way.

Programme Coordinator:

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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 **July 13, 2020**.

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/eprogrammes> for more details about these programmes.