

# Programme on **PRIVATE CLOUD INFRASTRUCTURE MANAGEMENT**

Programme Coordinators: **Dr. Abhishek Thakur & Dr. P. Syam Kumar**

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INSTITUTE FOR DEVELOPMENT AND RESEARCH IN  
BANKING TECHNOLOGY, HYDERABAD  
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## Introduction

Given the challenges around data ownership and sovereign controls, organizations are increasingly deploying private cloud to get the benefits of flexibility and agility of cloud, with higher control and ownership. Private Cloud Infrastructure Management covers setting up single enterprise cloud environment for control, security, and performance. Key management processes include private cloud strategy, architectural choices, teams as tenants, resource provisioning and scaling, continuous performance and security monitoring, data backup, disaster recovery and the automation of complex tasks. Effective management relying on fin-ops, and orchestration with strong focus on security, compliance, and efficient resource utilization is needed to ensure a reliable and well-performing cloud environment. This includes the complete dev-sec-ops pipeline, including production and test environments, test-automation, observability, etc.

## Objectives

- ★ This program provides fundamental approaches for effective and efficient private cloud operations and utilizes case studies and examples contextualized for the banking sector.
- ★ It also enables participants to identify the high level architecture patterns and subsequently the blue-prints for most applications in the BFS space. It also enables the participants to define their own metrics and standard operating procedures for their organizations.
- ★ It enables the mid management employees to leverage the private cloud in context of their organizations.

## Contents

- ★ Overview of Cloud Computing
- ★ Virtualization Technologies
- ★ Cloud Delivery Models: SaaS, PaaS and IaaS
- ★ Cloud Deployment Models: Public, Private, Hybrid and Multi-cloud
- ★ Cloud Architecture and Design Principles
- ★ Building Private Cloud Hands-on
- ★ Cloud Cost Management and Optimization
- ★ Resource : Planning, Provisioning, Augmentation and Disposal
- ★ Monitoring and Performance Management
- ★ Security and Compliance
- ★ Automation and Orchestration
- ★ Backup and Recovery
- ★ Cost and Optimization
- ★ Emerging Trends and Future of Cloud Computing
- ★ Non-IT Aspects for Private Cloud – Power Sources, UPS, Rack, HVAC, Cabling, Flooring and Ceiling and beyond.
- ★ Proactive Incidence response in Private Cloud Environment.

## Programme Coordinators

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## Who can Participate?

Officials working in IT / Security teams, Cloud Architects, DevOps Engineers, System Administrators overseeing Cloud Environments, and Digital Banking teams participating in BCP, Risk Teams, Data Architect, and System Integrators supporting such roles.

## End Use

At the end of this program, the participants will be equipped to design, manage, the private cloud infrastructure with best practices to ensure optimal security and alignment to IT and business needs.

## Fee Details

Domestic Participants from

- ★ RRBs & Coop. Banks : Rs. 38,000 + Applicable GST
- ★ All other Banks & Fis : Rs. 45,000 + Applicable 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 **December 23, 2025** by email to [hunar@idrbt.ac.in](mailto:hunar@idrbt.ac.in). Please note that no nominations will be accepted after this date. This measure is envisaged to improve the quality and learning outcomes of the programmes based on participants' profile and requirements.

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, Fee billing address, GST No. of the bank).

## Accommodation

Participants will be provided Air Conditioned Single Occupancy accommodation in IDRBT, Hyderabad, with all cafeteria facilities. The Participants can check-in on the evening of the day before the commencement of 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 [hunar@idrbt.ac.in](mailto:hunar@idrbt.ac.in) or call us on +914023294121/61/63/64/65.

## Forthcoming Programmes of January 2026

S. No.	Programme	Date	Coordinator
1.	IT Governance & Risk, Compliance for Business Heads	05 - 07	Dr. Mridula Verma
2.	Basics of Cyber Security	05 - 09	Dr. Dipanjan Roy
3.	Micro Services - Scaling IT Applications	05 - 07	Dr. V. Radha & Dr. N. P. Dhavale
4.	Private Cloud Infrastructure Management	07 - 09	Dr. Abhishek Thakur & Dr. P. Syam Kumar
5.	Digital Payment Security Controls	19 - 21	Dr. N. P. Dhavale
6.	Data Center Management - IT & Non IT	19 - 23	Dr. Abhishek Thakur
7.	Financial Forecasting with AI/ML	19 - 23	Prof. V. Ravi & Dr. Mridula Verma
8.	Containerization	21 - 23	Dr. P. Syam Kumar
9.	APIs & Digital Ecosystem	21 - 23	Dr. V. Radha
10.	Security Operations Centre	28 - 30	Dr. V. Radha Dr. Dipanjan Roy
11.	Emerging Technologies in Banking	28 - 30	Dr. M. V. N. K. Prasad
12.	Security by Design, Testing and Integration of Applications	28 - 30	Dr. V. N. Sastry

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