



**Institute for Development and Research in  
Banking Technology**

**(Established by Reserve Bank of India)**

# Cloud Deployment/Experience

---

Lalit Mohan Sanagavarapu

[slmohan@idrbt.ac.in](mailto:slmohan@idrbt.ac.in)

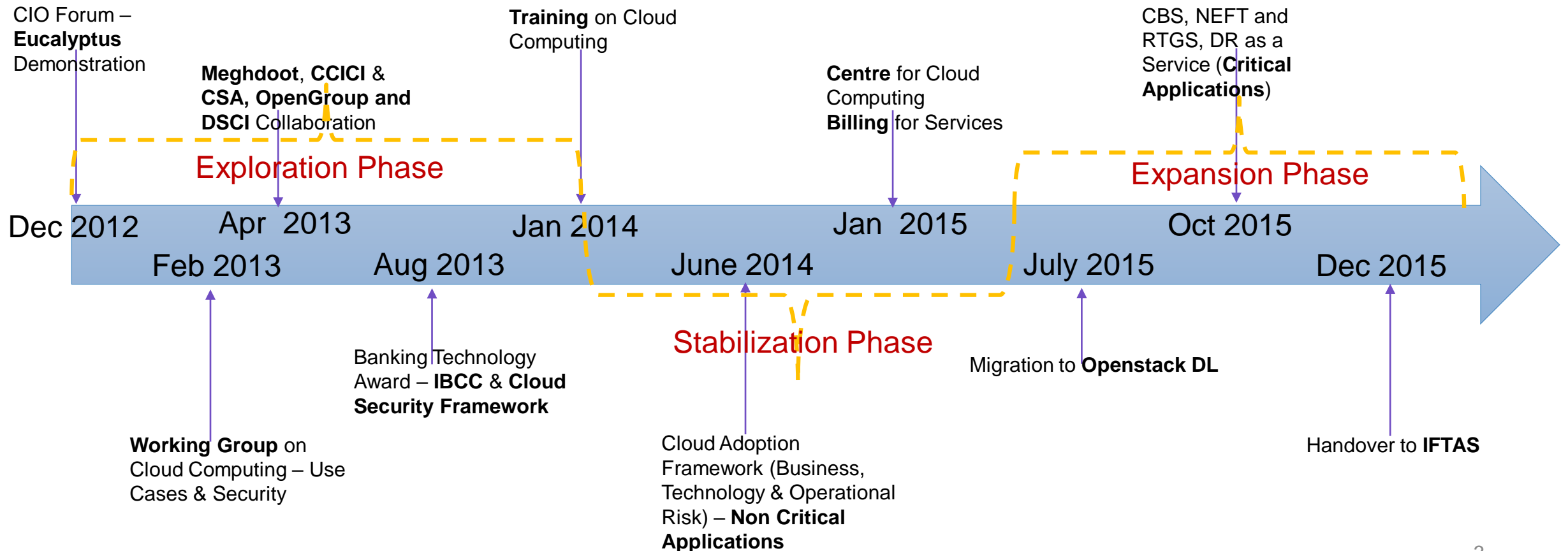
# Institute for Development and Research in Banking Technology (IDRBT)

- IDRBT, established by Reserve Bank of India in 1996 to promote and enable technologies in Bank industry, a unique set-up
- Set-up **National Financial Switch** backbone for ATM, IMPS and UPI
- Managed Indian Financial Network, Developed and Managed **NEFT** and **RTGS** for the country
- Set-up **Indian Banking Community Cloud**
- Managing Centre for Analysis of Risks and Threats (**IB-CART**), a platform for information sharing on threats / vulnerabilities / attacks
- **Forum** - Chief Information Officers/IT-Head, Chief Analytics Officers and Chief Information Security Officers of Banks
- Bestowed as Scientific and Industrial Research Organisation by Department of Scientific and Industrial Research
- Ongoing collaboration with top Indian and Foreign Universities

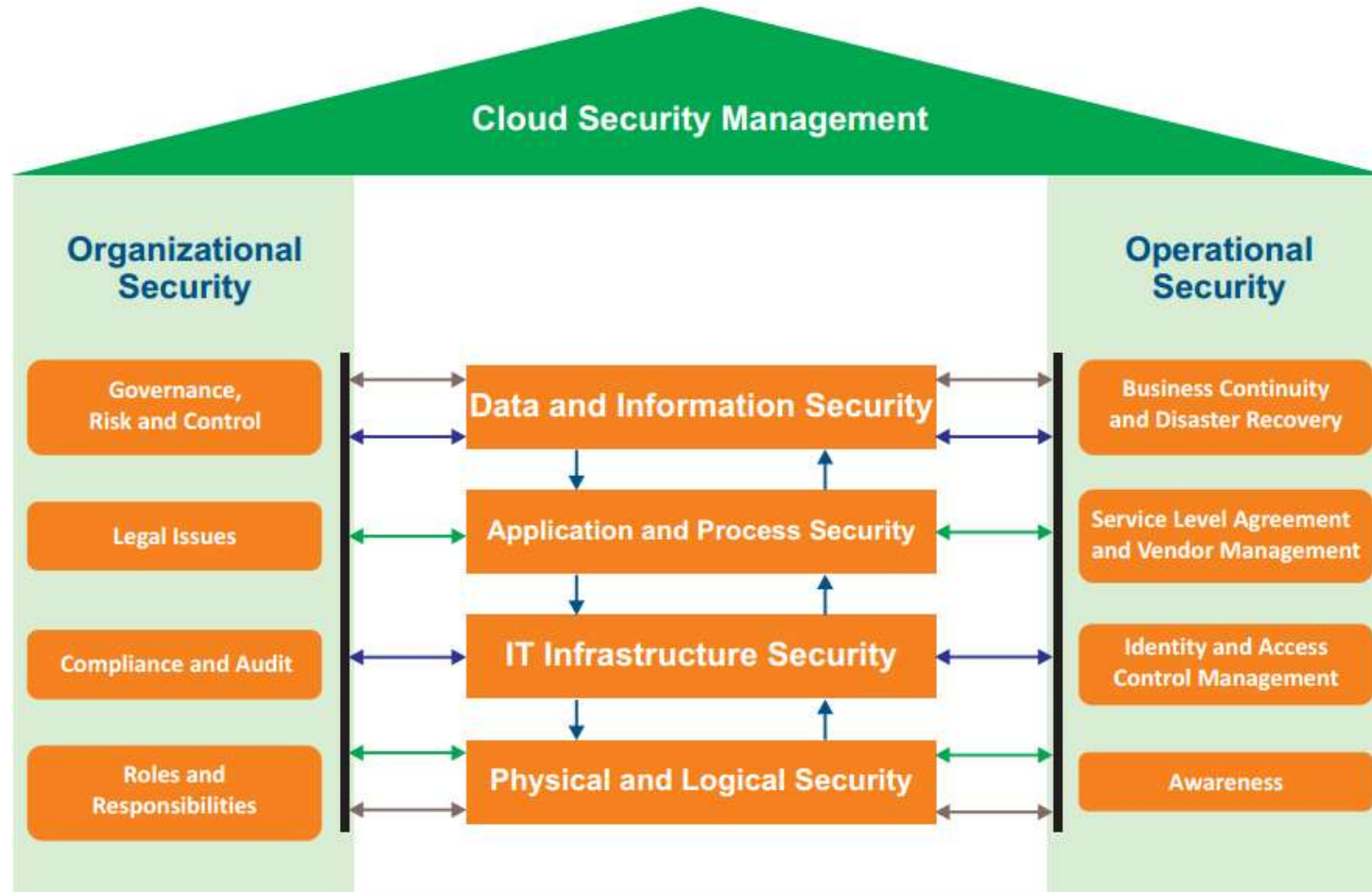
## Centres at IDRBT

- Cloud Computing
- Cyber Security
- Analytics
- Payment Systems
- Affordable Technologies
- Mobile Banking

# Indian Banking Community Cloud (IBCC) Journey



# Cloud Security Framework



## FAQs on Cloud Adoption

- Overview on Cloud Computing
- Cloud Architecture & Technology
- Applications & Usage Scenarios
- Risks and Challenges

# Post IBCC

## Govt & Regulator

- Monetary Policy - Support for UCB on CBS
- *Outsourcing/Cloud Computing Risk Management Framework*
- Contribution to **TRAI, MeitY** guidelines

## Banks

- [Cloud and IT Journey for UCBs](#)
- [FAQs on Cloud Adoption for Banks](#)
- [Handbook on “Application Programming Interfaces”](#)
- **Consultancy** and **Training** to Banks and NPCI on Cloud Adoption

## Industry

- Informal **Sandbox** for FinTechs
- Collaboration – **VMWare, Azure** and **AWS**
- CCICI (**Interoperability** and **Cloud Study**), CSA (**Finance Services Group**)
- **Talks** at CII, NASSCOM, CSA related events

## Research

- [Staff Paper on Cloud Computing](#)
- **Openstack** Talk
- **Comparison** of Cloud Service Providers
- Journal/Conference Papers - **Security, Auditing, Newer Use Cases, Docker**



# FAQs on Cloud Adoption for Indian Banks

Overview, Technology, Usage, Risks and Challenges



Thank You !!

[slmohan@idrbt.ac.in](mailto:slmohan@idrbt.ac.in)

# Cloud Security Framework for Indian Banking Sector

