Cloud Banking Solutions for Banks Training Course

Professional Development Training Course Outline

Category	Banking Institute	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The rapid evolution of Cloud Banking Solutions, Digital Transformation, and FinTech Innovation is reshaping the global banking landscape. Modern financial institutions are increasingly adopting cloud computing platforms, Software-as-a-Service (SaaS), Platform-as-a-Service (PaaS), and Infrastructure-as-a-Service (IaaS) to enhance operational efficiency, scalability, and customer experience. Cloud banking enables banks to leverage real-time data analytics, AI-driven insights, cybersecurity frameworks, and API-driven ecosystems, ensuring agility in an increasingly competitive and regulated environment.

Cloud Banking Solutions for Banks Training Course is designed to equip banking professionals with advanced knowledge of cloud architecture, digital banking platforms, data governance, and regulatory compliance in cloud environments. Participants will gain practical insights into cloud migration strategies, risk management, cost optimization, and secure cloud operations, enabling them to lead successful digital transformation initiatives while ensuring data privacy, resilience, and business continuity.

Programme Curriculum

Cloud Banking Solutions for Banks Training Course

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Course Duration

5 days

Course Objectives

1. Understand cloud computing models in banking
2. Explore digital transformation strategies in financial services
3. Analyze cloud migration frameworks and roadmaps
4. Implement cybersecurity and cloud risk management strategies
5. Evaluate regulatory compliance in cloud environments
6. Leverage AI, Machine Learning, and Big Data in cloud banking
7. Design API-driven open banking ecosystems
8. Optimize cloud cost management and FinOps strategies
9. Strengthen data governance and cloud data protection policies
10. Develop resilient cloud infrastructure and disaster recovery plans
11. Assess vendor risk and cloud service provider selection
12. Enhance customer experience through digital banking platforms
13. Build scalable and agile cloud-native banking applications

Target Audience

1. Banking IT Managers and Cloud Architects
2. Digital Transformation and Innovation Leaders
3. Risk and Compliance Officers
4. Core Banking System Professionals
5. FinTech and Payment Solution Specialists
6. Cybersecurity and Data Protection Experts
7. Operations and Infrastructure Managers
8. Senior Banking Executives and Decision-Makers

Course Modules

Module 1: Fundamentals of Cloud Banking

- Cloud computing concepts and service models
- Benefits of cloud adoption in banking
- Cloud deployment models
- Key cloud service providers overview
- Cloud banking trends and innovations
- *Case Study:* Migration of a traditional bank to a hybrid cloud environment

Module 2: Cloud Architecture and Infrastructure

- Cloud architecture design principles
- Microservices and containerization
- Virtualization and serverless computing
- Cloud-native application development

- Integration with legacy systems
- *Case Study:* Designing scalable cloud architecture for a retail bank

Module 3: Cloud Migration Strategies

- Migration assessment and readiness
- Data migration techniques and tools
- Phased migration vs full transformation
- Managing migration risks and downtime
- Post-migration optimization
- *Case Study:* Successful core banking migration to the cloud

Module 4: Cybersecurity in Cloud Banking

- Cloud security frameworks and standards
- Identity and access management (IAM)
- Encryption and data protection techniques
- Threat detection and incident response
- Regulatory security compliance
- *Case Study:* Preventing data breaches in cloud-based banking systems

Module 5: Regulatory Compliance and Governance

- Global banking regulations and cloud compliance
- Data residency and sovereignty issues
- Audit and reporting requirements
- Risk management frameworks
- Governance best practices
- *Case Study:* Achieving compliance in a multi-cloud banking setup

Module 6: Data Analytics and AI in Cloud Banking

- Big data platforms and cloud analytics
- AI and machine learning applications
- Real-time data processing
- Customer insights and personalization
- Fraud detection using AI
- *Case Study:* AI-driven fraud detection in digital banking

Module 7: Open Banking and API Integration

- Open banking frameworks and PSD2
- API management and integration
- FinTech partnerships and ecosystems
- Digital payment platforms
- Innovation through API marketplaces
- *Case Study:* Building an open banking ecosystem with APIs

Module 8: Cloud Operations and Cost Optimization

- Cloud monitoring and performance management
- FinOps and cost control strategies

- Service level agreements (SLAs)
- Disaster recovery and business continuity
- Vendor management and outsourcing
- *Case Study:* Reducing cloud costs while improving performance

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com