ERP in AWS, Azure and GCP Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In the era of digital transformation, Enterprise Resource Planning (ERP) systems are critical for streamlining business operations, enhancing decision-making, and driving enterprise-wide efficiency. Migrating ERP to cloud platforms such as AWS, Azure, and GCP offers scalability, cost optimization, real-time analytics, and advanced security features. ERP in AWS, Azure and GCP Training Course equips professionals with hands-on expertise to deploy, manage, and optimize ERP systems on leading cloud environments, leveraging cloud-native architectures, automation, and AI-driven insights.

This comprehensive program emphasizes practical learning through real-world case studies, cloud migration strategies, and performance optimization techniques. Participants will master the integration of ERP with cloud services, explore multi-cloud strategies, and understand disaster recovery, compliance, and cost management. By combining theoretical knowledge with hands-on labs, this course empowers IT professionals, consultants, and decision-makers to accelerate digital transformation in their organizations.

Programme Curriculum

ERP in AWS, Azure and GCP Training Course

Introduction

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Course Duration

5 days

Course Objectives

1. Understand ERP fundamentals and cloud adoption strategies.
2. Deploy ERP systems on AWS, Azure, and GCP with hands-on labs.
3. Implement cloud-native architectures for ERP applications.
4. Optimize ERP performance with scalability, load balancing, and high availability.
5. Integrate ERP with cloud-based AI, ML, and analytics tools.
6. Apply cost management and cloud governance best practices.
7. Execute ERP migration from on-premise to cloud using proven frameworks.
8. Ensure data security, compliance, and disaster recovery in cloud ERP.
9. Leverage automation and DevOps pipelines for ERP deployments.
10. Monitor ERP applications using cloud monitoring and observability tools.
11. Implement hybrid and multi-cloud ERP strategies for flexibility.
12. Analyze business insights and KPIs through cloud ERP analytics.
13. Solve real-world ERP challenges using case studies and industry scenarios.

Target Audience

1. Cloud architects and engineers
2. ERP consultants and solution architects
3. IT managers and system administrators
4. Business analysts and process owners
5. DevOps and automation engineers
6. Data analysts and BI professionals
7. Cloud migration specialists
8. CIOs and enterprise decision-makers

Course Modules

Module 1: Introduction to ERP & Cloud Platforms

- Overview of ERP systems and business benefits
- Cloud adoption trends and market insights
- Comparison of AWS, Azure, and GCP for ERP
- Cloud ERP deployment models: SaaS, PaaS, IaaS
- Case Study: ERP migration to AWS for a manufacturing firm

Module 2: ERP Architecture & Cloud Design Patterns

- ERP architecture components in the cloud
- Multi-tier ERP deployment strategies
- High availability and disaster recovery design

- Cloud-native microservices integration
- Case Study: Azure-based ERP architecture for retail

Module 3: ERP Migration Strategies

- Assessing on-premise ERP readiness
- Lift-and-shift and re-architecting ERP
- Data migration and ETL processes
- Cloud migration tools and automation
- Case Study: GCP ERP migration for a healthcare provider

Module 4: Cloud Security & Compliance for ERP

- Identity and access management (IAM)
- Data encryption and compliance standards (GDPR, HIPAA)
- Network security and monitoring
- Security best practices in multi-cloud ERP
- Case Study: Securing ERP on Azure for finance sector

Module 5: ERP Performance Optimization

- Scaling ERP resources dynamically
- Load balancing and caching strategies
- Performance monitoring and KPIs
- Cost optimization in ERP workloads
- Case Study: AWS ERP optimization for a logistics company

Module 6: Integration & Advanced Cloud Services

- Integrating ERP with cloud AI/ML services
- ERP and IoT integration scenarios
- Business intelligence and analytics on cloud ERP
- API management and middleware tools
- Case Study: Analytics-driven ERP on GCP for e-commerce

Module 7: Automation & DevOps for ERP

- CI/CD pipelines for ERP updates
- Infrastructure as Code (IaC) using Terraform/CloudFormation
- Automated testing and monitoring
- Release management and rollback strategies
- Case Study: Automated ERP deployment on Azure

Module 8: Real-World Case Studies & Capstone Project

- Multi-cloud ERP deployment scenarios
- ERP optimization and cost management strategies
- Cloud governance and operational excellence
- Troubleshooting ERP challenges in production
- Capstone Project: End-to-end ERP deployment on AWS/Azure/GCP

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- 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
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

Start Date	End Date	Location	Price
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:

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