Strategic Cloud Migration and Hybrid Architecture Management Training Course

28 Dec 2026 - 01 Jan 2027

Cairo

3700 € (Per Person)

Ref: #IT6219_287937

Course Introduction / Overview:

The global shift towards digital transformation has made strategic cloud adoption an imperative for business survival and growth. This course provides a comprehensive framework for navigating the complexities of cloud migration and managing sophisticated hybrid and multi-cloud architectures. Moving beyond basic implementation, this program delves into the strategic decision-making required to align cloud initiatives with core business objectives, a concept thoroughly explored by industry thought leaders like David S. Linthicum. Participants will learn to architect resilient, secure, and cost-effective cloud environments that foster innovation and agility. The curriculum is designed to equip leaders with the foresight to plan and execute seamless cloud transitions, manage distributed infrastructure, and implement robust governance. BIG BEN Training Center has developed this course to address the critical need for professionals who can master both the technical and strategic dimensions of cloud computing, ensuring that technology investments deliver maximum value and a sustainable competitive advantage in a rapidly evolving digital landscape. This approach reflects the principles found in texts such as "Cloud Strategy: A Decision-Based Approach" by Gregor Hohpe, focusing on practical, decision-driven strategies.

Target Audience / This training course is suitable for:

- IT Directors and Managers.
- Cloud Solutions Architects.
- Enterprise Architects.
- DevOps and Site Reliability Engineers.
- System and Network Administrators.
- IT Project and Program Managers.
- Technology and Infrastructure Planners.
- Chief Technology Officers (CTOs) and IT leadership.
- Security and Compliance Officers.

Target Sectors and Industries:

- Financial Services and Banking.
- Healthcare and Life Sciences.
- Retail and E-commerce.
- Telecommunications and Media.
- Manufacturing and Supply Chain.
- Energy and Utilities.
- Technology and Software Development.
- Government Agencies and Public Sector Organizations.

Target Organizations Departments:

- Information Technology (IT) and Infrastructure.
- Cloud Center of Excellence (CCoE).
- Digital Transformation and Innovation.
- Enterprise Architecture.
- Operations and Service Delivery.
- Cybersecurity and Information Security.
- Project Management Office (PMO).
- Finance and Procurement.

Course Offerings:

By the end of this course, the participants will have able to:

- Develop a comprehensive cloud migration strategy aligned with business goals.
- Assess application portfolios to determine the optimal migration path for each workload.
- Design and implement secure and scalable hybrid and multi-cloud architectures.
- Manage connectivity and data integration between on-premises and cloud environments.
- Establish robust cloud governance frameworks for security, compliance, and cost control.
- Implement Cloud Financial Management (FinOps) principles to optimize spending.
- Leverage containerization and serverless computing within a hybrid strategy.
- Mitigate security risks and ensure compliance in distributed cloud infrastructures.
- Lead cloud adoption initiatives and manage the organizational change required for success.

Course Methodology:

This training course at BIG BEN Training Center employs a dynamic and interactive learning methodology designed for deep comprehension and practical application. The program is built on a foundation of expert-led instruction, where seasoned professionals share their in-depth knowledge and real-world experiences in strategic cloud management. Theoretical concepts are immediately reinforced through practical case studies drawn from various industries, allowing participants to analyze complex migration scenarios and architectural decisions. A significant portion of the course is dedicated to collaborative group workshops and hands-on simulation exercises, where attendees work in teams to design migration plans, develop governance policies, and solve hybrid architecture challenges. This interactive approach fosters peer-to-peer learning and critical thinking. Continuous feedback is provided by the instructor to guide participants' understanding and skill development. The methodology ensures that attendees leave not just with knowledge, but with the confidence and practical skills to implement effective cloud strategies within their own organizations, transforming complex theory into actionable business value.

Course Agenda (Course Units):

Unit One Foundations of Strategic Cloud Computing

- Introduction to cloud computing models (IaaS, PaaS, SaaS).
- Differentiating between hybrid cloud, multi-cloud, and distributed cloud.
- Aligning cloud strategy with overarching business objectives.
- Exploring major cloud adoption frameworks (e.g., AWS CAF, Azure CAF).
- Assessing organizational readiness for cloud migration.
- Defining key performance indicators (KPIs) for cloud initiatives.
- Understanding the role of a Cloud Center of Excellence (CCoE).

Unit Two Cloud Migration Planning and Execution

- Conducting application portfolio analysis and workload discovery.
- The 6 Rs of migration strategies (Rehost, Replat form, Repurchase, Refactor, Retire, Retain).
- Developing a phased migration roadmap and timeline.
- Mastering data migration techniques and tools.
- Managing application dependencies and integration challenges.
- Minimizing downtime and business disruption during migration.
- Post-migration validation, testing, and optimization.

Unit Three Designing and Managing Hybrid Architectures

- Core principles of hybrid cloud architecture design.
- Establishing secure connectivity between on-premises data centers and public clouds.
- Leveraging containerization with Docker and Kubernetes in hybrid environments.
- Implementing serverless computing across different cloud platforms.
- Strategies for consistent identity and access management (IAM).
- Data management and storage tiering in a hybrid model.
- Tools and platforms for unified hybrid cloud management.

Unit Four Governance, Security, and Compliance in the Cloud

- Establishing a comprehensive cloud governance framework.
- Implementing policy-as-code for automated compliance.
- Advanced identity, credential, and access management strategies.
- Data protection, encryption, and key management in the cloud.
- Understanding shared responsibility models for security.
- Navigating industry-specific compliance standards (e.g., GDPR, HIPAA).
- Utilizing Cloud Security Posture Management (CSPM) tools.

Unit Five Cloud Financial Management (FinOps) and Optimization

- Understanding cloud pricing models and billing complexities.
- Conducting Total Cost of Ownership (TCO) analysis.
- Core principles and lifecycle of Cloud Financial Management (FinOps).
- Implementing cost allocation, tagging, and show back/chargeback.
- Strategies for right-sizing resources and eliminating waste.
- Leveraging reserved instances, savings plans, and spot instances.
- Continuous performance monitoring and cost optimization cycles.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

As hybrid cloud models blur the lines between private and public infrastructure, how should organizations redefine their data sovereignty and ethical responsibilities?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by focusing on the strategic, business-driven aspects of cloud computing, moving beyond purely technical implementation guides. While many programs teach how to use specific cloud services, this training course emphasizes why and when to use them within a broader enterprise strategy. It uniquely integrates the critical pillars of migration planning, hybrid architecture design, governance, and financial management (FinOps) into a single, cohesive framework. Participants gain a holistic understanding of the entire cloud lifecycle, from initial business case development to continuous optimization. The curriculum is built around real-world decision-making scenarios, challenging participants to weigh trade-offs between cost, performance, security, and agility. Rather than just presenting tools, it imparts a strategic mindset, enabling leaders to build a sustainable, adaptable, and cost-effective cloud ecosystem. This focus on high-level strategy and integrated governance provides a deeper, more enduring value than courses that concentrate solely on the technical configuration of cloud platforms, preparing attendees to lead, not just implement, cloud transformation.