Aligning Cloud Strategy with Enterprise Architecture Training Course

19 - 23 Oct 2026

California

7900 € (Per Person)

Ref: #DT8650_92437

Course Introduction / Overview:

This course provides a comprehensive framework for aligning cloud computing initiatives with overarching enterprise architecture and business objectives. In an era of rapid digital transformation, a disconnected cloud strategy can lead to increased costs, security vulnerabilities, and a failure to realize business value. This program addresses this critical gap by integrating the principles of enterprise architecture with modern cloud strategy development. As influential author Gregor Hohpe discusses in his works, including "Cloud Strategy", the challenge is not merely adopting technology but architecting for agility and resilience. This training course from BIG BEN Training Center is meticulously designed to equip participants with the skills to build a cohesive, secure, and cost-effective cloud ecosystem. We move beyond the technical "how" to explore the strategic "why," enabling leaders to create a robust cloud adoption roadmap that supports long-term organizational goals. Participants will learn to navigate the complexities of multi-cloud environments, establish effective governance, and implement financial management (FinOps) to maximize return on investment. This course is the definitive guide for professionals seeking to master the synergy between cloud technology and strategic enterprise planning, ensuring that every cloud decision is a strategic business decision.

Target Audience / This training course is suitable for:

- Enterprise Architects.
- Cloud Solutions Architects.
- IT Strategists and Planners.
- Chief Technology Officers (CTOs) and IT Directors.
- IT Managers and Team Leaders.
- Digital Transformation Leaders.
- Senior Business Analysts with a technology focus.
- IT Governance and Risk Managers.
- Infrastructure and Operations Managers.

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.
- Government and Public Sector Agencies.
- Technology and Software Development.

Target Organizations Departments:

- Information Technology (IT).
- Enterprise Architecture.
- Strategy and Corporate Planning.
- Digital Transformation Office.
- Technology Infrastructure and Operations.
- Cloud Center of Excellence (CCoE).
- Information Security and Compliance.
- Finance and Procurement.

Course Offerings:

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

- Develop a comprehensive cloud strategy that is directly aligned with business goals and enterprise architecture principles.
- Evaluate and select appropriate cloud service models (IaaS, PaaS, SaaS) and deployment models (Public, Private, Hybrid, Multi-cloud).
- Design a robust and scalable cloud-ready enterprise architecture using established frameworks.
- Create a detailed cloud adoption roadmap, including migration planning and risk assessment.
- Establish effective cloud governance, security, and compliance frameworks to manage risks.
- Implement Cloud Financial Management (FinOps) practices to optimize costs and maximize ROI.
- Lead the formation and operation of a Cloud Center of Excellence (CCoE).
- Integrate DevOps and automation principles into the cloud operating model.
- Analyze and manage cloud vendor relationships and service level agreements effectively.
- Future-proof the enterprise architecture to accommodate emerging cloud technologies.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring participants can apply their learning directly to their professional roles. This course moves beyond traditional lectures, employing a blended learning approach that combines expert-led instruction with hands-on activities. A cornerstone of our method is the extensive use of real-world case studies, allowing participants to analyze successful and unsuccessful cloud strategy implementations across various industries. Collaborative group workshops and brainstorming sessions encourage peer-to-peer learning and the exchange of diverse perspectives on complex architectural challenges. Participants will engage in practical exercises, such as developing a mock cloud adoption roadmap, designing a governance framework, and conducting a cloud ROI analysis. Throughout the course, there is a strong emphasis on interactive discussions and Q&A sessions to address specific challenges and scenarios faced by the attendees. Our experienced instructors provide continuous feedback and facilitate a supportive learning environment, ensuring a deep and lasting understanding of how to strategically align cloud initiatives with enterprise architecture.

Course Agenda (Course Units):

Unit One: Foundations of Cloud Strategy and Enterprise Architecture

- The imperative for digital transformation.
- Defining the relationship between business strategy, enterprise architecture, and cloud strategy.
- Overview of enterprise architecture frameworks (e.g., TOGAF, Zachman).
- Fundamental concepts of cloud computing (IaaS, PaaS, SaaS, FaaS).
- Understanding cloud deployment models (Public, Private, Hybrid, Multi-cloud).
- The role of the architect in the cloud era.
- Identifying key business drivers and stakeholders for cloud adoption.

Unit Two: Developing a Comprehensive Cloud Strategy

- Crafting a compelling cloud vision and mission statement.
- Establishing guiding principles for cloud adoption.
- Conducting a cloud readiness and application portfolio assessment.
- Building a robust business case and calculating cloud ROI.
- Developing a strategic cloud adoption roadmap.
- Communicating the cloud strategy across the organization.
- Integrating the cloud strategy with the overall IT and business strategy.

Unit Three: Designing Cloud-Ready Enterprise Architecture

- Architectural principles for cloud-native and cloud-adapted applications.
- Designing for scalability, resilience, and high availability in the cloud.
- Developing a target state architecture for hybrid and multi-cloud environments.
- Data architecture strategies for the cloud (data lakes, warehouses, governance).
- Network architecture and connectivity patterns for cloud integration.
- Microservices, containerization, and serverless architecture patterns.
- Selecting the right cloud services and vendors for specific workloads.

Unit Four: Cloud Migration, Governance, and Security

- Understanding the "6 R's" of cloud migration (Rehost, Replat form, Repurchase, etc.).
- Planning and executing a phased migration strategy.
- Establishing a Cloud Center of Excellence (CCoE) and its operating model.
- Developing a comprehensive cloud governance framework.
- Implementing identity and access management (IAM) policies.
- Designing a defense-in-depth security architecture for the cloud.
- Ensuring regulatory compliance and data privacy in the cloud.

Unit Five: Optimizing and Managing the Cloud Environment

- Introduction to Cloud Financial Management (FinOps).
- Techniques for cloud cost monitoring, allocation, and optimization.
- Implementing performance monitoring and management tools.
- Integrating DevOps and CI/CD pipelines for cloud automation.
- Managing vendor relationships and service level agreements (SLAs).
- Continuously evolving the enterprise architecture for future technologies.
- Measuring the business value and impact of the cloud strategy.

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:

How might the principles of enterprise architecture need to evolve to effectively govern decentralized, autonomous systems and edge computing environments within a multi-cloud strategy?

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

This course distinguishes itself by focusing on the strategic integration of cloud computing with the disciplined practice of enterprise architecture, a critical nexus often overlooked by purely technical training. While many courses concentrate on the implementation details of a single cloud platform, our program elevates the conversation to the strategic level, teaching participants how to build a holistic, vendor-agnostic cloud strategy that drives tangible business value. We emphasize the development of a robust governance framework and the implementation of Cloud Financial Management (FinOps), equipping leaders not just to adopt the cloud, but to manage it as a strategic business asset. The curriculum is built around a business-first approach, ensuring that technology decisions are directly mapped to organizational capabilities and objectives. Rather than just presenting tools, we delve into architectural patterns, decision-making frameworks, and the creation of a sustainable cloud operating model. This unique blend of strategic planning, architectural rigor, and financial governance provides a comprehensive skill set that empowers participants to lead successful, long-term digital transformations, making it an unparalleled learning experience for current and future technology leaders.