Implementing Cloud BI Solutions and Migration Strategies Training Course

16 - 20 Nov 2026

Baku

5100 € (Per Person)

Ref: #BUI6412_81815

Course Introduction / Overview:

The transition from on-premise to cloud-based Business Intelligence (BI) represents a fundamental shift in how organizations leverage data for strategic advantage. This course provides a comprehensive roadmap for navigating this complex but rewarding journey. We will explore the entire lifecycle of a cloud BI initiative, from initial assessment and strategic planning to successful migration, implementation, and ongoing optimization. As highlighted by the renowned academic Thomas H. Davenport in his foundational work, "Competing on Analytics", the ultimate goal is to embed data-driven decision-making into the corporate culture, and cloud platforms are the modern enablers of this vision. This program, offered by BIG BEN Training Center, moves beyond theoretical concepts to provide a practical framework for designing scalable, secure, and cost-effective cloud analytics solutions. Participants will learn to evaluate different cloud service models (SaaS, PaaS, IaaS), develop a robust migration strategy, and manage the critical aspects of data governance and security in a cloud environment. This training is designed to empower professionals to lead their organizations through a successful BI modernization, ensuring the new system not only meets current analytical needs but is also agile enough to adapt to future business demands and technological advancements.

Target Audience / This training course is suitable for:

- Business Intelligence Professionals and Developers.
- Data Analysts and Data Scientists.
- IT Managers and Directors.
- Data Architects and Database Administrators.
- Project Managers leading data-related initiatives.
- Business Stakeholders involved in digital transformation.
- Solutions Architects.

Target Sectors and Industries:

- Financial Services and Banking.
- Healthcare and Pharmaceuticals.
- Retail and E-commerce.
- Manufacturing and Supply Chain.
- Telecommunications and Technology.
- Government Agencies and Public Sector Organizations.
- Consulting and Professional Services.

Target Organizations Departments:

- Information Technology (IT).
- Business Intelligence and Analytics.
- Data Management and Governance.
- Finance and Accounting.
- Marketing and Sales.
- Operations and Logistics.
- Strategic Planning.

Course Offerings:

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

- Develop a comprehensive cloud BI migration strategy aligned with business objectives.
- Assess the current on-premise BI environment and identify migration readiness.
- Evaluate and compare leading cloud BI platforms and services.
- Design scalable and secure cloud data architectures, including data warehouses and data lakes.
- Plan and execute the migration of data, reports, and dashboards to the cloud.
- Implement robust data governance and security protocols in a cloud environment.
- Manage and optimize the cost and performance of cloud BI solutions.
- Foster user adoption and drive a data-driven culture with new cloud tools.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and engaging, ensuring participants can apply their learning directly to their professional roles. This course blends expert-led instruction with hands-on learning experiences. Mornings will focus on foundational concepts, strategic frameworks, and architectural principles, presented through clear and concise lectures. Afternoons are dedicated to practical application, where participants will work in teams on real-world case studies, such as developing a migration plan for a legacy financial reporting system or designing a cloud architecture for a retail analytics platform. These collaborative sessions encourage problem-solving and knowledge sharing. The curriculum incorporates interactive workshops, group discussions, and Q&A sessions to address specific challenges and scenarios faced by participants in their own organizations. We emphasize a vendor-agnostic approach, focusing on principles that are applicable across major cloud providers. Continuous feedback is provided by the instructor to guide learning and ensure a deep understanding of the material, culminating in a final project where participants architect a complete cloud BI solution.

Course Agenda (Course Units):

Unit One: Foundations of Cloud Business Intelligence

- Introduction to Cloud Computing for Analytics.
- Comparing On-Premise vs. Cloud BI Systems.
- Cloud Service Models: IaaS, PaaS, and SaaS for BI.
- Overview of Major Cloud Platforms (AWS, Azure, GCP) for Data and Analytics.
- Key Benefits: Scalability, Agility, and Cost-Effectiveness.
- Understanding Modern Cloud Data Stacks.
- Defining a Business Case for Cloud BI Migration.

Unit Two: Strategic Planning for Cloud Migration

- Assessing Your Current BI and Data Warehouse Environment.
- Defining Clear Migration Goals and Success Metrics.
- Choosing the Right Migration Strategy: Rehost, Replat form, Rearchitect.
- Building a Phased Migration Roadmap and Timeline.
- Stakeholder Management and Communication Planning.
- Risk Assessment and Mitigation Strategies.
- Budgeting and Estimating the Total Cost of Ownership (TCO).

Unit three: Cloud BI Architecture and Data Integration

- Designing Modern Cloud Data Warehouses and Data Lakes.
- Architecting for Performance, Scalability, and Reliability.
- Data Modeling Techniques for Cloud Environments.
- Cloud-Native ETL and ELT Processes and Tools.
- Real-Time Data Ingestion and Streaming Analytics.
- Ensuring Data Quality and Consistency During Migration.
- Strategies for Hybrid Cloud and Multi-Cloud BI Architectures.

Unit Four: Implementation and Deployment

- Selecting the Right Cloud BI Tools and Vendors.
- Executing the Data Migration Process: Best Practices.
- Migrating Reports, Dashboards, and Analytical Models.
- Testing and Validation: Ensuring Data Accuracy and Performance.
- User Acceptance Testing (UAT) and Go-Live Planning.
- Training End-Users and Driving Adoption of the New Platform.
- Post-Implementation Support and Handover.

Unit Five: Governance, Security, and Optimization

- Establishing a Cloud Data Governance Framework.
- Implementing Data Security and Access Control Policies.
- Ensuring Compliance with Regulations (e.g., GDPR, HIPAA).
- Monitoring Cloud BI System Performance and Usage.
- Cloud Cost Management and Optimization (FinOps).
- Automating Operations and Maintenance Tasks.
- Future-Proofing Your Cloud BI Ecosystem for Innovation.

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 organizations increasingly adopt multi-cloud strategies, how does the complexity of data sovereignty and cross-platform integration challenge the traditional vision of a single, unified source of truth for business intelligence?

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

This course distinguishes itself by focusing on the strategic and governance aspects of cloud BI migration, rather than concentrating solely on the technical implementation of a specific tool. While many courses teach you how to use a particular cloud platform, our curriculum is designed to teach you how to think like a data strategist and architect. We provide a holistic, end-to-end framework that covers the entire lifecycle, from building the initial business case and securing stakeholder buy-in to managing long-term costs and governance post-migration. The content is vendor-agnostic, equipping participants with transferable principles and best practices applicable across AWS, Azure, GCP, and other platforms. Another unique quality is our emphasis on real-world case studies and problem-solving workshops, which move beyond theory to address the practical challenges of migrating legacy systems, managing organizational change, and ensuring data integrity. Participants will not just learn what to do; they will understand why they are doing it, enabling them to make informed, strategic decisions that align technology with core business objectives and deliver sustainable value.