Power Business Intelligence Service & Cloud Deployment Training Course

Professional Development Training Course Outline

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

Course Introduction

Power Business Intelligence Service & Cloud Deployment Training Course is designed to empower professionals with cutting-edge skills in business intelligence, data visualization, and cloud analytics. This comprehensive course equips learners with practical expertise to efficiently design, deploy, and manage Power BI reports and dashboards in the cloud environment. Participants will gain hands-on experience with Power BI Service, learn best practices for cloud deployment, and master advanced analytics techniques to transform organizational data into actionable insights.

In today's data-driven business landscape, leveraging cloud-based analytics platforms like Power BI Service enables organizations to enhance decision-making, optimize operations, and drive strategic growth. This training emphasizes real-world applications, interactive learning, and case studies to ensure participants acquire skills that are immediately applicable in professional environments.

Programme Curriculum

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Course Objectives

1. Understand the Power BI Service architecture and cloud deployment models.
2. Learn to create interactive dashboards and compelling data visualizations.
3. Master data modeling, transformation, and DAX (Data Analysis Expressions) techniques.
4. Deploy and manage reports on Power BI Cloud Service efficiently.
5. Integrate Power BI with Microsoft Azure and other cloud platforms.
6. Automate report refreshes and dataflows for real-time analytics.
7. Ensure security, governance, and compliance in Power BI cloud environments.
8. Optimize performance and scalability of Power BI dashboards in the cloud.
9. Collaborate effectively using Power BI Workspaces and Teams integration.
10. Troubleshoot common deployment and connectivity issues.
11. Leverage AI-powered features for predictive analytics in Power BI.
12. Implement self-service BI for faster organizational decision-making.
13. Analyze case studies to apply best practices in real-world scenarios.

Organizational Benefits

- Accelerated decision-making through real-time data insights.
- Improved data-driven strategy and business intelligence adoption.
- Enhanced collaboration and sharing across departments.
- Reduced dependency on IT for report generation.
- Improved security and governance of organizational data.
- Increased operational efficiency and workflow automation.
- Scalable BI infrastructure for future growth.
- Cost optimization through cloud deployment.
- Enhanced employee skillset and professional development.
- Competitive advantage through advanced analytics.

Target Audiences

1. Data analysts and business intelligence professionals.
2. IT administrators and cloud engineers.
3. Business managers seeking data-driven insights.
4. Reporting specialists and financial analysts.
5. Project managers overseeing analytics projects.
6. Developers integrating BI solutions with cloud platforms.
7. Decision-makers aiming to optimize organizational performance.
8. Students and professionals pursuing career advancement in analytics.

Course Duration: 5 days

Course Modules

Module 1: Introduction to Power BI Service

- Overview of Power BI Desktop vs Service
- Power BI Service architecture and components
- Understanding cloud deployment models
- Navigating Power BI workspace and portal
- Sharing and collaboration features
- Case Study: Migrating on-premise reports to Power BI Service

Module 2: Data Modeling and Transformation

- Importing and connecting to data sources
- Cleaning and transforming data using Power Query
- Creating relationships between tables
- Implementing calculated columns and measures
- Data normalization and optimization techniques
- Case Study: Building a financial dashboard with multiple data sources

Module 3: DAX and Advanced Analytics

- Introduction to DAX functions and formulas
- Aggregation, filtering, and time intelligence functions
- Creating calculated tables and columns
- Using DAX for dynamic visualizations
- Best practices for performance optimization
- Case Study: Sales trend analysis using DAX

Module 4: Cloud Deployment and Management

- Publishing reports to Power BI Service
- Configuring workspaces and apps
- Managing dataset refresh schedules
- Monitoring and auditing usage and performance
- Version control and deployment strategies
- Case Study: Multi-department report deployment in cloud

Module 5: Security, Governance, and Compliance

- Implementing role-level security (RLS)
- Sharing reports with external stakeholders
- Data governance best practices
- Compliance with GDPR and other regulations
- Audit logs and activity monitoring
- Case Study: Securing sensitive financial dashboards

Module 6: Performance Optimization

- Optimizing report and dashboard performance
- Using aggregations and query folding
- Reducing data model size and complexity
- Best practices for large dataset handling
- Performance monitoring and troubleshooting
- Case Study: Improving load time for enterprise dashboards

Module 7: Collaboration and Integration

- Using Power BI with Microsoft Teams
- Integrating Power BI with Excel and SharePoint
- Embedding reports into web apps
- Collaborating within Power BI workspaces
- Alerts, subscriptions, and notifications
- Case Study: Collaborative KPI dashboard across teams

Module 8: AI and Predictive Analytics

- Leveraging AI visuals in Power BI
- Implementing machine learning models with Power BI
- Forecasting and predictive modeling techniques
- Cognitive services integration for insights
- Scenario analysis and decision support
- Case Study: Predictive sales analytics using AI features

Training Methodology

- Instructor-led interactive sessions with live demonstrations
- Hands-on labs and exercises for practical experience
- Real-world case studies for contextual understanding
- Group discussions and problem-solving activities
- Quizzes and knowledge checks to reinforce learning
- Access to training resources and post-training support

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
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

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