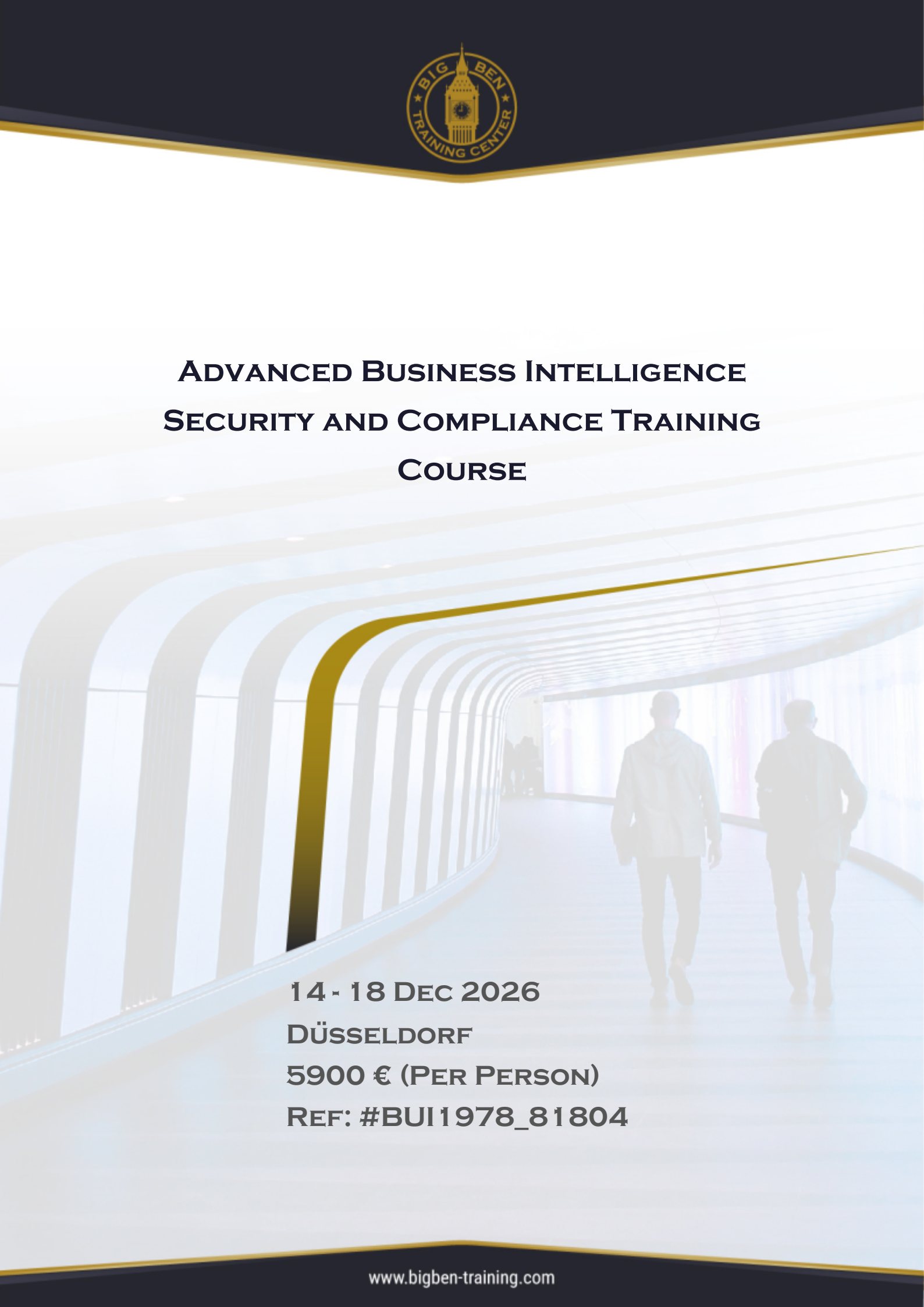
Advanced Business Intelligence Security and Compliance Training Course



14 - 18 Dec 2026

Düsseldorf

5900 € (Per Person)

Ref: #BUI1978_81804

Course Introduction / Overview:

In today's data-driven landscape, Business Intelligence (BI) systems are no longer just support tools; they are critical strategic assets that centralize an organization's most sensitive information. This concentration of data, while powerful for decision-making, creates a significant target for security threats and a complex web of regulatory obligations. This course provides a comprehensive, holistic framework for securing your BI ecosystem from end to end. We move beyond theoretical concepts to deliver actionable strategies for integrating security, compliance, and risk management into every stage of the BI lifecycle. Drawing on principles discussed by experts like author Rick Sherman in his book "Business Intelligence Guidebook: From Data Integration to Analytics", we explore how to build a resilient BI security posture. This program, offered by BIG BEN Training Center, is meticulously designed to empower professionals to not only protect data assets but also to leverage robust governance as a competitive advantage, ensuring that data is both accessible and secure. Participants will learn to navigate the intricate landscape of data privacy laws, implement effective access controls, conduct thorough risk assessments, and foster a culture of security-conscious data handling within their organizations.

Target Audience / This training course is suitable for:

- Business Intelligence Professionals and Developers.
- Data Analysts and Data Scientists.
- IT Security Managers and Specialists.
- Compliance Officers and Auditors.
- Risk Management Professionals.
- Database Administrators.
- IT Managers and Team Leaders.
- Information Security Analysts.
- Data Governance Managers.

Target Sectors and Industries:

- Banking and Financial Services.
- Healthcare and Pharmaceuticals.
- Retail and E-commerce.
- Telecommunications and Technology.
- Insurance Sector.
- Government Agencies and Public Sector Institutions.
- Consulting and Professional Services.
- Energy and Utilities.

Target Organizations Departments:

- Information Technology (IT) and Security.
- Business Intelligence and Analytics.
- Compliance and Legal Departments.
- Internal Audit and Control.
- Risk Management.
- Data Governance and Management.
- Finance and Accounting.
- Operations Management.

Course Offerings:

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

- Develop and implement a comprehensive BI security framework.
- Integrate data governance principles into the BI architecture.
- Ensure compliance with major regulations like GDPR, HIPAA, and SOX.
- Conduct detailed risk assessments and threat modeling for BI systems.
- Implement robust access control models, including Role-Based Access Control (RBAC).
- Apply data encryption and masking techniques to protect sensitive information.
- Establish effective auditing, logging, and monitoring procedures for BI platforms.
- Develop an incident response plan specific to BI data breaches.
- Evaluate and manage security risks associated with cloud-based BI solutions.
- Foster a culture of data security and ethical data handling across the organization.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be immersive, interactive, and highly practical. We believe that mastering BI security and compliance requires more than just theoretical knowledge; it demands hands-on application and critical thinking. The course combines expert-led presentations with collaborative group discussions, allowing participants to share experiences and solve common challenges. A significant portion of the training is dedicated to real-world case studies, where we will dissect actual data breaches and compliance failures to extract valuable lessons. Participants will engage in practical workshops, such as developing a risk assessment matrix for a sample BI environment and designing an access control policy. Team-based exercises will simulate incident response scenarios, requiring participants to work together to contain a threat and manage communications. This blended learning approach ensures that participants not only understand the core concepts but also gain the confidence to apply them directly to their own organizational context. Continuous feedback from the instructor and peers is a cornerstone of our method, fostering a dynamic and supportive learning environment.

Course Agenda (Course Units):

Unit One: Foundations of BI Security and Governance

- Introduction to Business Intelligence Security.
- The Intersection of Security, Compliance, and Risk Management.
- Understanding the BI Threat Landscape and Common Vulnerabilities.
- Core Principles of Data Governance for Analytics.
- Establishing a BI Security Framework and Policy.
- Key Roles and Responsibilities in BI Security.
- The Data Lifecycle and Its Security Implications.

Unit Two: Navigating the Regulatory and Compliance Landscape

- Deep Dive into GDPR and its Impact on BI.
- Understanding HIPAA for Healthcare Analytics.
- SOX Compliance and Financial Reporting in BI.
- Other Key Regulations (CCPA, PCI DSS).
- Developing a Compliance Checklist for BI Projects.
- Data Classification Standards and Policies.
- Managing Cross-Border Data Transfer Regulations.

Unit Three: Technical Security Controls and Implementation

- Implementing Role-Based Access Control (RBAC) in BI Tools.
- Advanced Authentication and Authorization Techniques.
- Data Encryption Strategies for Data at Rest and in Transit.
- Techniques for Data Masking, Anonymization, and Pseudonymization.
- Securing the ETL/ELT Process and Data Pipelines.
- Secure Data Warehouse and Data Lake Architecture.
- Security Considerations for Data Visualization and Dashboards.

Unit Four: Risk Management, Auditing, and Monitoring

- Conducting a BI-Specific Risk Assessment.
- Threat Modeling for BI Applications and Infrastructure.
- Vulnerability Assessment and Penetration Testing Concepts for BI.
- Developing a Comprehensive BI Auditing Strategy.
- Implementing Effective Logging and Monitoring for BI Systems.
- Utilizing Security Information and Event Management (SIEM) for BI.
- Third-Party and Vendor Security Risk Management.

Unit Five: Incident Response and Advanced Topics

- Developing a BI Incident Response and Recovery Plan.
- Managing and Communicating a Data Breach.
- Security Challenges of Cloud BI and SaaS Platforms.
- Securing Big Data and Real-Time Analytics Environments.
- The Role of AI and Machine Learning in BI Security.
- Ethical Considerations in Business Intelligence and Data Usage.
- Building a Sustainable Culture of Data Security.

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:

In an era of increasing data democratization, how can an organization balance the need for widespread data access with the imperative of stringent security and compliance controls?

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

This course distinguishes itself by adopting a holistic, strategy-first approach rather than focusing narrowly on specific tools or technologies. While many programs teach the technical "how" of security implementation, we emphasize the strategic "why" and "what," integrating the three critical pillars of security, compliance, and risk management into a single, unified framework. Its core strength lies in its focus on building a resilient security culture and governance structure that underpins the entire BI ecosystem. We move beyond checklists to explore the nuances of risk appetite, threat modeling specific to analytical environments, and the practical challenges of embedding compliance into agile BI development cycles. The curriculum is built around real-world case studies and interactive workshops that challenge participants to solve complex, multi-faceted problems, such as balancing data accessibility for analysts with the principle of least privilege. The course is designed not just to impart knowledge, but to cultivate critical thinking, enabling participants to design and implement bespoke security solutions that are perfectly aligned with their organization's specific risk profile, industry regulations, and strategic objectives.