



# إتقان أمن البيانات للمطورين: الدليل الشامل للتطبيقات الآمنة



**AGILE LEADERS**  
Training Center

30 Mar - 03 Apr 2027

محدث

## إتقان أمن البيانات للمطورين: الدليل الشامل للتطبيقات الأمنة

المراجع: 36333\_24870 التاريخ: 30 Mar - 03 Apr 2027 الموقع: **هدريد** الرسوم: Euro 5700

### Course Overview:

The course is a complete course that equips developers with the essential knowledge and skills to safeguard data in today's digital landscape. The course covers data security best practices, information security risk management, threat management techniques, privacy breach prevention, and regulatory compliance. It provides hands-on training to address malware threats, phishing attacks, and incident response, preparing participants to manage data security with a strategic, multi-layered approach.

### Target Audience:

- Software Developers
- Security Engineers
- IT Managers
- Systems Administrators
- Network Security Analysts
- Cybersecurity Specialists

### Targeted Organizational Departments:

- IT and Cybersecurity
- Risk Management
- Legal and Compliance
- Software Development
- Network Infrastructure

### Targeted Industries:

- Financial Services
- Healthcare
- Telecommunications
- E-commerce
- Government

## Course Offerings:

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

- Implement data security best practices in development workflows
- Understand and apply integrated threat management and security management systems
- Develop risk management strategies tailored for information security
- Apply access control techniques and manage authentication tokens
- Protect enterprises using quasi-intelligence resources and prioritize security programs
- Address malware threats, such as rootkits, and apply cryptography for large-scale deployments
- Design and maintain secure architectures for both physical and digital environments
- Develop strategies for compliance with information law and manage enterprise incident response

## Training Methodology:

The course uses an interactive approach to maximize learning. It includes real-world case studies, simulations, and role-playing exercises to simulate privacy breach prevention and incident response scenarios. Participants will engage with concepts such as cryptography, access control techniques, and compliance management. The course emphasizes problem-solving and explores the use of quasi-intelligence resources to protect organizations against modern threats.

## Course Toolbox:

- ebooks
- Access to online resources focused on information security risk management and cryptography
- Case studies on quasi-intelligence resources and incident response management
- Templates for risk diagnosis and treatment in IT security
- Checklists for implementing access control techniques and physical security measures

## Course Agenda:

### Day 1: Information Security and Risk Management

- Integrated Threat Management GEORGE G. McBRIDE Topic 1:
- Understanding Information Security Management Systems TOM CARLSON Topic 2:
- Planning for a Privacy Breach REBECCA HEROLD Topic 3:
- Using Quasi-Intelligence Resources to Protect the Enterprise CRAIG A. SCHILLER Topic 4:
- Information Risk Management: A Process Approach to Risk Diagnosis and Treatment NICK Topic 5:
- HALVORSON
- Department-Level Transformation R. SCOTT McCOY Topic 6:
- Discussion on key takeaways from the day's focus on risk management, privacy [Reflection & Review](#):
- breaches, and organizational security transformations.

## Day 2: Access Control and Methods of Attack

- Authentication Tokens PAUL A. HENRY Topic 1: •
- Authentication and the Role of Tokens JEFF DAVIS Topic 2: •
- Accountability in Access Control Administration DEAN R. BUSHMILLER Topic 3: •
- Rootkits: The Ultimate Malware Threat E. EUGENE SCHULTZ & EDWARD RAY Topic 4: •
- Setting Priorities in Your Security Program DEREK SCHATZ Topic 5: •
- Why and How Assessment of Organization Culture Shapes Security Strategies DON SARACCO Topic 6: •
- Reflect on key concepts of access control, malware threats, and how organizational [Reflection & Review](#): •  
culture impacts security strategies.

## Day 3: Cryptography, Physical Security, and Network Security

- Encryption Key Management in Large-Scale Network Deployments FRANJO MAJSTOR & GUY Topic 1: •  
VANCOLLIE
- Mantraps and Turnstiles: Elements of Physical Security R. SCOTT McCOY Topic 2: •
- Service-Oriented Architecture and Web Services Security GLENN J. CATER Topic 3: •
- Analysis of Covert Channels RALPH SPENCER POORE Topic 4: •
- ISO Standards for Data Security SCOTT ERKONEN Topic 5: •
- Security Frameworks: Concepts and Application ROBERT M. SLADE Topic 6: •
- Discussion on how cryptography, physical security, and architecture frameworks [Reflection & Review](#): •  
combine to protect data in enterprise environments.

## Day 4: Telecommunications, Network Security, and Application Security

- Facsimile Security BEN ROTHKE Topic 1: •
- Network Content Filtering and Leak Prevention GEORGE J. JAHCHAN Topic 2: •
- The Ocean Is Full of Phish: Network Attacks and Countermeasures TODD FITZGERALD Topic 3: •
- Neural Networks and Information Assurance Uses SEAN M. PRICE Topic 4: •
- Information Technology Infrastructure Library ITIL and Security Management Overview DAVID Topic 5: •  
McPHEE
- Adaptation: A Concept for Next-Generation Security Application Development ROBBY S. FUSSELL Topic 6: •
- Recap of network security threats, phishing attacks, and advancements in application [Reflection & Review](#): •  
security development.

## Day 5: Legal, Regulatory Compliance, and Incident Response

- Compliance Assurance: Taming the Beast TODD FITZGERALD Topic 1: •
- Enterprise Incident Response and Digital Evidence Management MARCUS K. ROGERS Topic 2: •
- Security Information Management Myths and Facts SASAN HAMIDI Topic 3: •
- Quantum Computing: Implications for Security ROBERT M. SLADE Topic 4: •
- Enterprise-Level Security Strategy for Future-Proofing SAMANTHA THOMAS Topic 5: •
- A Look Ahead: Emerging Threats and Future Challenges in Data Security SAMANTHA THOMAS Topic 6: •
- Final reflection on the importance of regulatory compliance, incident handling, and [Reflection & Review](#): •  
preparing for future security challenges.

## How This Course is Different from Other Data Security Courses:

This course sets itself apart with a hands-on approach, integrating theoretical and applied knowledge in data security. It covers cryptography, access control, incident response, and compliance in information law. The course also addresses emerging trends such as quantum computing and neural networks. Focusing on advanced security architectures, it offers cutting-edge strategies and a dynamic learning experience through real-world case studies and simulations.

## فئات الدورات التدريبية

|                                                    |                                                     |
|----------------------------------------------------|-----------------------------------------------------|
| الدورات التدريبية في مجال البيئة والاستدامة        | دورات إدارة الجودة وتطوير العمليات                  |
| دورات إدارة و تحليل البيانات ودورات علم البيانات   | دورات إدارة و تطوير الموارد البشرية                 |
| دورات الذهن السيرياني ودورات تقنية المعلومات       | دورات الاتصال الجماهيري و السياسات والعلاقات العامة |
| دورات التدريب القانوني والهشتريرات والتعاقدات      | دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات |
| دورات الحوكمة وإدارة المخاطر والامتثال             | دورات السكرتارية و إدارة المكاتب                    |
| دورات الصحة والسلامة والذهن المهني                 | دورات الصيانة ودورات المجالات الهندسية المتنوعة     |
| دورات المحاسبة و التهويل و دورات الإدارة المالية   | دورات المهارات الشخصية وتطوير الذات                 |
| دورات في مجالات القيادة والإدارة                   | دورات معتمدة من قبل هيئات دولية                     |
| دورات مكتب إدارة المشاريع وإدارة المشاريع الرشيقية |                                                     |



## مدن التدريب

|                                      |                                         |                                   |
|--------------------------------------|-----------------------------------------|-----------------------------------|
| أهستردام<br>هولندا                   | أكرا<br>غانا                            | أثينا<br>اليونان                  |
| الدار البيضاء<br>المغرب              | الجبيل<br>المملكة العربية السعودية      | استنبول<br>تركيا                  |
| القاهرة<br>مصر                       | الرياض<br>المملكة العربية السعودية      | الدوحة<br>قطر                     |
| باريس<br>فرنسا                       | الهناوة<br>مملكة البحرين                | الكويت<br>الكويت                  |
| بانكوك<br>تايلند                     | بالي<br>جمهورية إندونيسيا               | باكو<br>أذربيجان                  |
| برلين<br>ألمانيا                     | برشلونة<br>إسبانيا                      | براغ<br>جمهورية التشيك            |
| تيليسي<br>جورجيا                     | بوكيت<br>تايلاند                        | بورتو<br>البرتغال                 |
| جنيف<br>سويسرا                       | جاكرتا<br>جمهورية إندونيسيا             | تورنتو<br>كندا                    |
| روما<br>إيطاليا                      | حلي<br>الإمارات العربية المتحدة         | جوهانسبرغ<br>جنوب إفريقيا         |
| سنغافورة<br>سنغافورة                 | سان دييغو<br>الولايات المتحدة الأمريكية | زنجان<br>تنزانيا                  |
| شيكاغو<br>الولايات المتحدة الأمريكية | شرم الشيخ<br>مصر                        | سيول<br>كوريا الجنوبية            |
| طوكيو<br>اليابان                     | طشقند<br>أوزبكستان                      | طرابزون<br>تركيا                  |
| فرانكفورت<br>ألمانيا                 | عن بعد<br>منصة زووم                     | عمان<br>المملكة الأردنية الهاشمية |

## مدن التدريب

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|---------------------------------------|-----------------------|--------------------|
| كيب تاون<br>جنوب إفريقيا              | كوالالمبور<br>ماليزيا | فيينا<br>النمسا    |
| لندن<br>المملكة المتحدة               | لشبونة<br>البرتغال    | لانكاوي<br>ماليزيا |
| مسقط<br>سلطنة عمان                    | هدريد<br>اسبانيا      | ماربيا<br>اسبانيا  |
| ميونخ<br>ألمانيا                      | هيلان<br>إيطاليا      | مونترو<br>سويسرا   |
| نيويورك<br>الولايات المتحدة الأمريكية | نيس<br>فرنسا          | نيروبي<br>كينيا    |