



إتقان أمن البيانات للمطورين: الدليل الشامل للتطبيقات الأمنة

إتقان أمن البيانات للمطورين: الدليل الشامل للتطبيقات الآمنة

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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 HALVORSON Topic 5:
- 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



HR TRAINING & DEVELOPMENT

دورات إدارة و تطوير الموارد البشرية



دورات إدارة و تحليل البيانات ودورات علم البيانات



دورات إدارة الجودة وتطوير العمليات



الدورات التدريبية في مجال البيئة والاستدامة



دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات



دورات التدريب القانوني والمشتريات والتعاقدات



دورات الاتصال الجماهيري و السياسات والعلاقات العامة



دورات النظم السيبراني ودورات تقنية المعلومات



دورات الصيانة ودورات المجالات الهندسية المتنوعة



دورات الصحة والسلامة والأمن المهني



دورات السكرتارية و إدارة المكاتب



دورات الحوكمة وإدارة المخاطر والامتثال



فئات الدورات التدريبية



دورات معتمدة من قبل هيئات دولية



دورات في مجالات القيادة والإدارة



دورات المهارات الشخصية وتطوير الذات



دورات المحاسبة و التمويل و دورات الإدارة
المالية



دورات مكتب إدارة المشاريع وإدارة المشاريع
الرشيقية

مدن التدريب



أمستردام - هولندا



أكرا - غانا



أثينا - اليونان



أبوظبي - الإمارات العربية المتحدة



الدوحة - قطر



الدار البيضاء - المغرب



الجبيل - المملكة العربية السعودية



استنبول - تركيا



المنامة - مملكة البحرين



الكويت - الكويت



القاهرة - مصر



الرياض - المملكة العربية السعودية



بانكوك - تايلند



بالي - جمهورية إندونيسيا



بأكو - أذربيجان



باريس - فرنسا

مدن التدريب



تيليسي - جورجيا



بوكيت - تايلاند



برشلونة - إسبانيا



براغ - جمهورية التشيك



دبي - الإمارات العربية المتحدة



جوهانسبرغ - جنوب إفريقيا



جنيف - سويسرا



جاكرتا - جمهورية إندونيسيا



سيول - كوريا الجنوبية



سان دييغو - الولايات المتحدة الأمريكية



زنجر - تنزانيا



روما - إيطاليا



طشقند - أوزبكستان



طرابزون - تركيا



شيكاغو - الولايات المتحدة الأمريكية



شرم الشيخ - مصر

مدن التدريب



فيينا - النمسا



عن بعد - منصة زووم



عمان - المملكة الأردنية الهاشمية



طوكيو - اليابان



لندن - المملكة المتحدة



لانكاوي - ماليزيا



كاب تاون - جنوب إفريقيا



كوالالمبور - ماليزيا



مونترنو - سويسرا



مسقط - سلطنة عمان



مدريد - إسبانيا



ماربيا - إسبانيا



نيس - فرنسا



نairobi - كينيا



ميونخ - ألمانيا



ميلان - إيطاليا

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



AGILE LEADERS
Training Center

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