



احتراف التقنيات السحابية: الاستراتيجيات والأمن والتطبيقات



AGILE LEADERS
Training Center

12 - 16 Jul 2027
جوهانسبرغ

احتراف التقنيات السحابية: الاستراتيجيات والأمن والتطبيقات

المرجع: 36394_80134 التاريخ: 12 - 16 Jul 2027 الموقع: جوهانسبرغ الرسوم: Euro 6000

Course Overview

Cloud computing has become a cornerstone of modern IT infrastructure, enabling organizations to scale operations, optimize costs, and improve flexibility. Understanding the strategies for managing cloud environments and implementing practical applications is essential for IT professionals aiming to stay ahead in the digital transformation era.

This course equips participants with in-depth knowledge of cloud computing fundamentals, management strategies, and practical tools. Through hands-on exercises and real-world case studies, participants will learn to leverage cloud technologies effectively to achieve organizational goals.

Target Audience

- IT managers and team leads.
- Cloud architects and engineers.
- System administrators and network professionals.
- Professionals transitioning to cloud-based roles.
- Business and IT decision-makers interested in cloud strategies.

Targeted Organizational Departments

- Financial Services & Banking
- Healthcare & Pharmaceuticals
- Retail & E-Commerce
- Technology & Software Development
- Manufacturing & Logistics

Targeted Industries

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- Healthcare & Pharmaceuticals
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Course Offerings

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

- Understand cloud computing fundamentals and different cloud deployment models public, private, hybrid, and multi-cloud
- Develop a cloud adoption strategy tailored to business goals
- Implement cloud security best practices and ensure compliance with GDPR and HIPAA regulations
- Optimize cloud infrastructure monitoring and cost efficiency in cloud environments
- Deploy Infrastructure as Code IaC for cloud automation
- Effectively manage multi-cloud environments and hybrid cloud deployments
- Leverage AI in cloud computing for business intelligence and analytics
- Apply serverless computing solutions and microservices for efficient cloud architecture
- Evaluate AWS vs. Azure vs. Google Cloud for strategic cloud decision-making

Training Methodology

- To build foundational knowledge. **Interactive Lectures:**
- Hands-on use of cloud platforms and tools. **Workshops and Exercises:**
- Analysis of real-world scenarios to reinforce learning. **Case Studies:**
- Sharing experiences and addressing challenges. **Group Discussions:**
- Practical application of concepts learned throughout the program. **Final Project:**

Course Toolbox

- Cloud Security & Compliance Frameworks
- Checklists for Cloud Migration Planning & Risk Management
- Cloud Cost Optimization Templates
- Infrastructure as Code IaC Best Practices Guide
- Multi-Cloud Strategy Workbook
- Case Study Compilation on Cloud Adoption & Enterprise Cloud Transformation

Course Agenda

Day 1: Cloud Computing Fundamentals & Deployment Strategies

- Introduction to Cloud Computing - History, Concepts, and Evolution **Topic 1:**
- Cloud Computing Models - Understanding IaaS, PaaS, and SaaS **Topic 2:**
- Cloud Deployment Models - Public, Private, Hybrid, and Multi-Cloud **Topic 3:**
- Key Characteristics of Cloud Environments - Scalability, Elasticity, and Pay-as-You-Go **Topic 4:**
- Benefits and Challenges of Cloud Adoption in Enterprises **Topic 5:**
- Comparing Traditional IT Infrastructure with Cloud Environments **Topic 6:**
- Discussion on Key Takeaways and Real-World Applications **Reflection & Review:**

Day 2: Cloud Strategy, Adoption, and Cost Optimization

- Developing a Cloud Adoption Strategy Aligned with Business Goals Topic 1: •
- Assessing Readiness for Cloud Migration - Key Considerations and Pitfalls Topic 2: •
- Cost Optimization Strategies - Managing Cloud Expenses Efficiently Topic 3: •
- Major Cloud Service Providers - AWS, Microsoft Azure, and Google Cloud Compared Topic 4: •
- Cloud Governance Frameworks - Best Practices for Compliance and Security Topic 5: •
- Workshop - Designing a Basic Cloud Strategy for a Hypothetical Organization Topic 6: •
- Evaluating Cloud Adoption Strategies and Business Impacts Reflection & Review: •

Day 3: Cloud Security, Risk Management, and Compliance

- Cloud Security Best Practices - Protecting Data and Infrastructure Topic 1: •
- Regulatory Compliance in Cloud Computing - GDPR, HIPAA, and Other Standards Topic 2: •
- Data Privacy, Encryption, and Access Control in the Cloud Topic 3: •
- Managing Cloud Security Risks - Common Threats and Risk Mitigation Strategies Topic 4: •
- Cloud Infrastructure Monitoring - Tools for Proactive Security Management Topic 5: •
- Case Study - Analyzing a Cloud Security Breach and Lessons Learned Topic 6: •
- Group Discussion on Security Challenges and Compliance in Cloud Environments Reflection & Review: •

Day 4: Cloud Management, Automation, and Multi-Cloud Strategies

- Overview of Cloud Management Platforms CMPs - Features and Use Cases Topic 1: •
- Tools for Monitoring, Optimizing, and Automating Cloud Resources Topic 2: •
- Infrastructure as Code IaC - Automating Cloud Deployments with Terraform and Ansible Topic 3: •
- Managing Multi-Cloud Environments - Best Practices and Integration Strategies Topic 4: •
- Hybrid Cloud Strategies - When and How to Use Hybrid Solutions for Business Efficiency Topic 5: •
- Hands-on Exercise - Deploying and Monitoring Cloud Resources Using Management Tools Topic 6: •
- Practical Insights on Cloud Management and Automation Techniques Reflection & Review: •

Day 5: Advanced Cloud Applications, Emerging Technologies, and Future Trends

- Leveraging Cloud for AI, Machine Learning, and Big Data Analytics Topic 1: •
- Serverless Computing and Microservices - Efficiency and Scalability Benefits Topic 2: •
- Edge Computing Trends - Bringing Cloud Capabilities Closer to Users Topic 3: •
- Quantum Computing in the Cloud - Potential Applications and Challenges Topic 4: •
- Cloud Computing Career Paths - Certifications and Professional Growth Opportunities Topic 5: •
- Final Project - Designing a Cloud-Based Solution for a Real-World Business Problem Topic 6: •
- Presentations, Feedback, and Course Wrap-Up Reflection & Review: •

FAQ

- What specific qualifications or prerequisites are needed for participants before enrolling in the course? •

This course is designed for IT professionals with a basic understanding of cloud computing. Prior experience with networking, IT infrastructure, or cybersecurity is beneficial but not required.

How long is each day's session, and what is the total duration of the course? •

Each session lasts approximately 4-5 hours per day, including hands-on activities. The total course duration is 20-25 hours over five days.

How does this course help IT managers with cloud strategy and governance? •

IT managers will gain practical insights into cloud adoption, governance frameworks, and risk management strategies to effectively implement and oversee cloud solutions in their organizations.

How This Course is Different from Other Cloud Technology Courses

This course goes beyond theory, offering hands-on experience with cloud security, multi-cloud management, and automation tools. Unlike other programs, it integrates real-world case studies, security compliance GDPR, HIPAA, and cost optimization strategies, ensuring participants gain practical, enterprise-ready skills.

It also covers emerging trends like serverless computing, AI in cloud computing, and edge computing, making it ideal for IT managers, cloud architects, and security professionals. With interactive workshops, live demos, and a final project, this course equips participants with the strategies and tools needed to drive enterprise cloud transformation effectively.

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	



معدن التدريب

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

مدن التدريب

كيب تاون جنوب افريقيا	كوالالمبور ماليزيا	فيينا النمسا
لندن المملكة المتحدة	لشبونة البرتغال	لانكاوي ماليزيا
مسقط سلطنة عمان	هدريد اسبانيا	ماربيا اسبانيا
ميونخ ألمانيا	ميلان إيطاليا	مونترو سويسرا
	نيويورك الولايات المتحدة الأمريكية	نيروبي كينيا