Training Expert Management

Description of Our Courses

version 4.2 - US

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TRAINING EXPERT MANAGEMENT

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PLEASE CONTACT US FOR PRICES AND SESSION DATES.

PROGRAM AND CATALOG 2022-2023:

FOREWORD :

Training Expert Management helps IT SMEs set up and use Agile development and so reduce their support costs, improve their quality, and accelerate their time to market. Training Expert Management systematically assists each client over time to ensure it sets up the best Agile tools for its needs.


COACHING


CONSULTING


TRAINING

WE ASSIST OUR CLIENTS IN 4 STEPS OF THEIR AGILE ADOPTION PROCESS:

1. Diagnosis
2. Training & Certification
3. Helping define the functions and features needed (USER STORIES)
4. Starting Sprints 1 to 6.

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CONTENTS:

Pages 4 to 18

DETAILS OF OUR AGILITY COURSES AND THEIR PROGRAMS ARE PROVIDED ON THE FOLLOWING PAGES.

SCRUM

DEVELOPMENT USING AGILE SCRUM

(SCRUM MASTER) LENGTH: 2 DAYS (14 HOURS)

OBJECTIVES:

Scrum is one of the Agile methods for improving the quality of your deliverables, controlling your support costs, and enabling your development team(s) to work more independently. The operating rules are defined and your teams commit to delivering an outcome.
At a glance, you can monitor control over delegated tasks.

PREREQUISITES:

This course is directed at future Agile Managers and Scrum Masters. There are no prerequisites for this course.
A minimum knowledge of English is needed to pass the Certification exam.

TEACHING RESOURCES:

Each participant will receive a course manual. The course will include practical workshops for participants to put the theory into practice. The end of the course will include exercises under exam conditions and participants will then sit the Scrum Master Certification exam. The participants will be informed of the outcome immediately.

PROGRAM:

1 **INTRODUCTION TO THE AGILE METHOD**
History of the Agile Approach
Other Agile Methods
Main Scrum Principles

2 **ITERATIVE AND INCREMENTAL APPROACH**
The Scrum Development Cycle: Events and Ceremonies, and Validation of Work and the Outcome

3 **MAIN ROLES IN THE SCRUM TEAM**
Scrum Master: Responsibilities and Skills
Product Owner: Responsibilities and Skills
Developer Team: Responsibilities and Skills

4 **PRODUCT BACKLOG**
Creating a Product Backlog,
Prioritizing the Product Backlog over the Sprint Backlog

5 **ORGANIZING THE RELEASE AND SPRINT**
From Planning to Outcome

6 **WORKING WITH THE SCRUM TEAMS**
The Daily Scrum
Defining "Done"

7 **FROM ESTIMATIONS TO ACTUALS**
Defining Units and Estimating Size
Measuring Actuals

8 **AGILE PRACTICAL WORKSHOPS**
Sprint Planning Workshop
Daily Scrum Workshop
Retrospective Workshop

9 **TRANSITION TO SCRUM**
Organizing the Transition in Steps

10 **CERTIFICATION**
Exercises and Certification

AgilePM®

1 AgilePM® Foundation with Certification

Length: 3 days (21 hours)

OBJECTIVES:

Learn the concepts, principles, and content of the Agile project lifecycle. Understand the roles and responsibilities involved in an Agile project. Learn the techniques and their benefits. Sit the AgilePM® Foundation Certification exam (40 minutes; 50 questions; 50% pass mark). Prepare for sitting the Certification exam by answering multiple-choice questions at the end of each module and sitting a practice exam.
Put the theory into practice in workshops.

PREREQUISITES:

This course is directed at project managers, project team members, and AgilePM® Foundation Certification applicants.

TEACHING RESOURCES :

Each participant will receive a course manual.

Program:

1 **INTRODUCTION TO AGILE METHODS**
Origins, Issues, and Basic Rules
History of the Agile Approach
The Agile Manifesto
The Different Agile Methodologies

2 **PHILOSOPHY**
Project Variables
Principles of Agile

3 **PREPARING FOR SUCCESS**
Success Factors
Practitioner in Agile Quality (PAQ)

4 **THE DSDM PROCESS**
Main Phases in the DSDM Process

5 **ROLES AND RESPONSIBILITIES**

6 **DSDM PRODUCTS**
The 14 DSDM Documents in the Project Lifecycle

7 **PRIORITIZATION AND TIMEBOXING**
MoSCoW Prioritization
Timeboxing
Daily Stand-up Meeting

8 **PLANNING AND CONTROL**
Planning
Control

9 **OTHER PRACTICES**
Modeling
Workshops

10 **CERTIFICATION**
Exercises and Certification

AgilePM®

2 AgilePM® Practitioner with Certification

Length: 2 days (14 hours)

OBJECTIVES:

Adapt the AgilePM® model to the specific needs of a project and the organization. Sit the AgilePM® Practitioner Certification exam (120 minutes; 60 questions; 50% pass mark). Prepare for sitting the Certification exam by answering multiple-choice questions at the end of each module and sitting a practice exam. Put the theory into practice in workshops.

PREREQUISITES:

You must have passed the AgilePM® Foundation Certification exam. This course is directed at project managers, project team members, and AgilePM® Practitioner Certification applicants. A good level of English is needed to pass the Certification exam.

TEACHING RESOURCES:

Each participant will receive a course manual.

Program:

1 THE AGILEPM® LIFECYCLE AND PRODUCTS

2 AGILEPM® ROLES

3 PRIORITIZATION AND TIMEBOXING
- MoSCoW Prioritization
- Timeboxing
- Daily Stand-up Meeting
- Modeling
- Workshops

4 PLANNING AND CONTROL
- Planning
- Control

5 CERTIFICATION
- Exercises and Certification

DEVOPS

1 DOI DevOps Foundation with Certification

LENGTH: 3 DAYS (21 Hours)

DevOps is a philosophy consisting of best practices to implement to increase collaboration between software developers and the departments responsible for operating the information systems. It offers concrete benefits because it actively helps **IMPROVE THE QUALITY OF LIFE IN THE WORKPLACE** while also maintaining the focus on customer satisfaction. The goal of DevOps is to automate the company's software delivery systems and improve its infrastructures.

DevOps will provide a suitable environment for rapidly and frequently designing, testing, and deploying software.

OBJECTIVES:

Understand the DevOps terminology. Identify and know the benefits for the company. DevOps is directly related to Agile development methods. Apply DevOps in the company. Pass the DevOps Foundation Certification exam. In this course, you will identify the problems and challenges of DevOps, the best practices to set up, and the support tools available.

PREREQUISITES:

This course is directed at professionals with a knowledge of software development responsibilities and IT and Operations departments. A knowledge of Agile development is an asset. Certification is organized in English or French.

TEACHING RESOURCES:

Each participant will receive a course manual. The course will include practical workshops for participants to put the theory into practice.
At the end of each module, the trainer will check that the participants have understood its content by means of multiple-choice questions.

The last day of the course will include exercises under exam conditions and participants will then sit the DevOps Institute's (DOI) DevOps Foundation Certification exam.

PROGRAM:

1 EXPLORING DEVOPS

Defining DevOps
Why Does DevOps Matter?
The Business Viewpoint
The IT Viewpoint

2 CORE DEVOPS PRINCIPLES

The Three Ways
Chaos Monkey
Encouraging a Learning Culture

3 KEY KEYOPS PRACTICES

Continuous Testing
Continuous Integration, Continuous Delivery, and Continuous Deployment
Site Reliability Engineering (SRE)
DevSecOps
ChatOps

4 BUSINESS AND TECHNOLOGY FRAMEWORKS

Agile
ITSM
Lean
Lean Tools

5 CULTURE, BEHAVIORS, AND OPERATING MODELS

Defining Culture
DevOps and the Culture
Cultural Change

6 DEVOPS AUTOMATION AND ARCHITECTURE

Toolchains
Automation
Key Terminology
Architecture
Practices, Communication, and Improvement
DevOps Toolchains

7 MEASUREMENT, METRICS, AND REPORTING

The Importance of Metrics
DevOps Metrics
Guidelines

8 SHARING, SHADOWING, AND EVOLVING

DevOps Days
DevOps in the Enterprise
Roles
DevOps Leadership
Organizational Considerations
Starting
Challenges, Risks, and Critical Success Factors

9 EXERCISES AND CERTIFICATION

CONTACT US FOR A CUSTOM PRICE PROPOSAL

DEVOPS

2 DOI DevOps Leader with Certification

Length: 2 days (14 Hours)

DevOps is a philosophy consisting of best practices to implement to increase collaboration between software developers and the departments responsible for operating the information systems. It offers concrete benefits because it actively helps improve the **QUALITY OF LIFE IN THE WORKPLACE** while also maintaining the focus on customer satisfaction.
The goal of DevOps is to **AUTOMATE THE SOFTWARE DELIVERY SYSTEMS AND IMPROVE THE INFRASTRUCTURES**. DevOps will provide a suitable environment for rapidly and frequently designing, testing, and deploying software.

OBJECTIVES:

The DevOps Leader course is a unique practical experience for participants wanting to adopt a transformational leadership approach and have an impact within their organization by implementing DevOps. Guiding people through the adoption of DevOps requires new skills, new tools, innovative thinking, and transformational leadership. The Leaders must work together in the organization to break down the silos and cause the organization to progress.

PREREQUISITES:

An understanding and knowledge of current DevOps terminology and concepts and experience of the related work are recommended. The certification is organized in English, and a minimum level of business English is needed to pass the Certification exam.

TEACHING RESOURCES:

Each participant will receive a course manual. The course will include practical workshops for participants to put the theory into practice. The end of the course will include exercises under exam conditions and participants will then sit the DevOps Leader Foundation Certification exam.

THE LAST DAY OF THE COURSE WILL INCLUDE EXERCISES UNDER EXAM CONDITIONS AND PARTICIPANTS WILL THEN SIT THE DEVOPS INSTITUTE'S (DOI) DEVOPS LEADER CERTIFICATION EXAM.

PROGRAM:

1 DEVOPS AND TRANSFORMATIONAL LEADERSHIP

Current Definitions of DevOps
Benefits of DevOps
Transformational Leadership
Soft Skills
The Golden Circle
Lean Strategic Change Canvas

2 UNLEARNING BEHAVIORS

The Psychology and Neuroscience
Bateson Stakeholder Map
Kolb's Learning Styles
Leading From the Back of the Room
DevOps and Existing Systems

3 BECOMING A DEVOPS ORGANIZATION

Where to Start
How DevOps Differs
Minimum Viable Product (MVP)
The Customer
DevOps Kaizen
Building Security In
Helping People Participate

4 MEASURE TO LEARN

Value Stream Mapping
Current State
Touch Time/Wait Time
Value Added Activities
% Rework/Complete and Accurate
Using Metrics to Guide Improvement
Measure to Target

5 MEASURE TO IMPROVE

Improvement Kata
Experimentation
Future Value Stream Mapping
Improvement Opportunities

6 TARGET OPERATING MODELS & ORGANIZATIONAL DESIGNS

TOMs and ODs
Conway's Law
Desired Outcomes
DevOps Principles and Practices
Scaled Agile Models
Teal Organizations

7 ARTICULATING AND SOCIALIZING VISION

Storytelling
Performance Management
Beyond Budgeting
Wilber's Quadrants
Karpman Drama Triangle
Empowering People
Types of Change Leader

8 MAINTAINING ENERGY AND MOMENTUM

Revolution, Transformation, or Evolution
The Business Case for DevOps
Culture and Climate
A High-Trust Culture
Shared Goals
Technology and the Stock Market
The Fourth Industrial Revolution
Dynamic Learning Organizations

9 EXERCISES AND CERTIFICATION

DEVOPS

3 DOI DevOps Site Reliability Engineer (SRE) FoundationSM with Certification

LENGTH: 2 DAYS (14 Hours)

The Site Reliability Engineer (SRE) Foundation[SM] course introduces the principles and practices that enable an organization to reliably and economically scale critical services.
The introduction of the site reliability aspect demands organizational changes, a new focus on engineering and automation and the adoption of a series of new working paradigms. It highlights the evolution of SRE and its future direction. It equips participants with the practices, methods and tools needed to engage people across the organization involved in reliability and stability, with the help of scenarios and case studies. After completing the course, participants will have real-world information to apply, such as understanding, defining and monitoring Service Level Objectives (SLO).

This course was developed by drawing on the main sources of information on SRE, inquiring with SRE opinion leaders and working with organizations adopting SRE to identify current best practices. It has been designed to teach the core principles and practices needed for the successful adoption of SRE. This course also prepares participants for the SRE Foundation[SM] exam.

OBJECTIVES:

The course objectives include a practical understanding of the following:
- The history of SRE and its emergence at Google
- The inter-relationship of SRE with DevOps and other popular frameworks
- The underlying principles of SRE
- Service Level Objectives (SLOs) and their user focus
- Service Level Indicators (SLIs) and the modern monitoring landscape
- Error budgets and error budget policies
- Toil and its effect on an organization's productivity
- Some practical steps that can help to eliminate toil
- Observability as something to indicate the health of a service
- SRE tools, automation techniques and the importance of security
- Anti-fragility, our approach to failure and failure testing
- The organizational impact of introducing SRE

PREREQUISITES:

An understanding and knowledge of DevOps terminology and concepts and some DevOps experience are recommended.

TEACHING RESOURCES:

Each participant will receive a course manual. The course will include practical workshops for participants to put the theory into practice. The end of the course will include exercises under exam conditions and participants will then sit the DevOps SRE Foundation[SM] Certification exam

PROGRAM:

1

SRE: PRINCIPLES AND PRACTICES

What Is Site Reliability Engineering?
SRE and DevOps: What Is the Difference?
SRE Principles and Practices
Defining DevOps

2

SERVICE LEVEL OBJECTIVES (SLO) AND ERROR BUDGETS

Service Level Objectives (SLOs)
Error Budgets
Error Budget Policies

3

REDUCING TOIL

What Is Toil?
Why Is Toil Bad?
Doing Something About Toil

4

MONITORING AND SERVICE LEVEL INDICATORS (SLI)

Service Level Indicators (SLIs)
Monitoring
Observability

5

SRE: TOOLS AND AUTOMATION

Definition of Automation
Automation Focus
Hierarchy of Automation Types
Secure Automation
Automation Tools

6

ANTI-FRAGILITY AND LEARNING FROM FAILURE

Why Learn From Failure
Benefits of AntiFragility
Shifting the Organizational Balance

7

ORGANIZATIONAL IMPACT OF SRE

Why Organizations Adopt SRE
Patterns for SRE Adoption
On-Call Necessities
Blameless Post-Mortems
SRE & Scale

8

SRE AND OTHER FRAMEWORKS: THE FUTURE

Sources of Further Information
Exam Preparation
Exam Requirements, Distribution of Questions and
List of Concepts and Terminology
Example Exam

CONTACT US FOR A CUSTOM PRICE PROPOSAL

DEVOPS

4 DOI DevSecOps Foundation with Certification

LENGTH: 2 DAYS (14 Hours)

As companies deploy code faster and more often than ever, the emergence of new vulnerabilities is also accelerating. When the boss says, "Do more with less", DevOps practices add business and security value as an integral strategic component. Delivering development, security, and operations at the speed of business should be an essential element of any modern enterprise. Course topics covered include how DevSecOps provides business value, enhancing your business opportunities and increasing enterprise value. The core DevSecOps principles taught can support an organizational transformation, increase productivity, reduce risk and optimize resource use. This course explains how DevOps security practices differ from other approaches and then deliver the learning needed to bring the changes to your organization.

Participants learn the purpose, benefits, concepts, vocabulary and applications of DevSecOps. Most importantly, they learn how DevSecOps roles fit with a DevOps culture and organization. By completing the course, participants will understand "security as code" to make security and compliance value consumable as a service..

This course also prepares participants to pass the DevSecOps Foundation exam.

OBJECTIVES:

The course objectives include a practical understanding of the following:

- The purpose, benefits, concepts and vocabulary of DevSecOps
- How DevOps security practices differ from other security approaches
- Business-driven security strategies and best practices
- Understanding and applying data and security science
- Integrating corporate stakeholders into DevSecOps Practices
- Enhancing communication between Dev, Sec and Ops teams
- How DevSecOps roles fit with a DevOps culture and organization

PREREQUISITES:

Participants should have a basic knowledge and understanding of common DevOps definitions and principles. The certification is organized in English, and a minimum level of business English is needed to pass the Certification exam.

TEACHING RESOURCES:

Each participant will receive a course manual. The course includes discussions designed to enable participants to exchange feedback. The end of the course will include exercises under exam conditions and participants will then sit the DevSecOps Foundation Certification exam.

PROGRAM:

1 REALIZING DEVSECOPS OUTCOMES

- Origins of DevSecOps
- Evolution of DevSecOps
- CALMS
- The Three Ways

2 DEFINING THE CYBER THREAT LANDSCAPE

- History and Time of an Outcome
- What Is The Cyber Threat Landscape?
- What Is The Threat?
- What Do We Protect From?
- What Do We Protect, and Why?
- How Do I Talk to Security?

3 BUILDING A RESPONSIVE DEVSECOPS MODEL

- Demonstrate Model
- Technical, Business and Human Outcomes
- What Is Being Measured? Integration, Current State and Delta
- Milestones and Levels
- Progressive Improvements

4 INTEGRATING DEVSECOPS STAKEHOLDERS

- The DevSecOps State of Mind
- What Is the 'Right' Culture
- The DevSecOps Stakeholders
- What's at Stake for Who?
- People, Processes, Technology, and Governance

5 ESTABLISHING DEVSECOPS BEST PRACTICES

- Start Where You Are
- Integrating People, Processes, Technology and Governance
- Continuous Security for DevSecOps
- The Stakeholder Integration Process
- Outcomes of Best Practices
- Data-Based Decision-Making and Responses

6 BEST PRACTICES TO GET STARTED

- Identifying Target States
- Value Stream-Centric Thinking
- The Flow
- Feedback
- Learning

7 DEVOPS PIPELINES AND CONTINUOUS COMPLIANCE

- The Goal of a DevOps Pipeline
- Why Continuous Compliance Is Important
- Archetypes and Reference Architectures
- Coordinating DevOps Pipeline Construction
- DevSecOps Tool Categories, Types, and Examples

8 LEARNING USING OUTCOMES

- Security Training Options
- Training as Policy
- Experiential Learning
- Cross-Skilling
- The DevSecOps Collective Body of Knowledge
- Preparing for the DevSecOps Foundation Certification Exam
- Next Steps
- Example Exam

CONTACT US FOR A CUSTOM PRICE PROPOSAL

DEVOPS

5 DASA DevOps Fundamentals with Certification

Length: 3 days (21 Hours)

DevOps is a philosophy consisting of best practices to implement to increase collaboration between software developers and the departments responsible for operating the information systems. It offers concrete benefits because it actively helps improve the Quality of Life in the Workplace while also maintaining the focus on customer satisfaction. The goal of DevOps is to automate the company's software delivery systems and improve its infrastructures. DevOps will provide a suitable environment for rapidly and frequently designing, testing and deploying software.

OBJECTIVES:

Understand the DevOps terminology. Identify and know the benefits for the company. DevOps is directly related to Agile development methods. Apply DevOps in the company. Set up and measure performance indicators. Pass the DevOps Fundamentals Certification exam.

PREREQUISITES:

This course is directed at professionals with a knowledge of software development responsibilities and IT and Operations departments. A knowledge of Agile development is an asset. A minimum knowledge of English is required to pass the Certification exam.

TEACHING RESOURCES:

Each participant will receive a course manual. The course will include practical workshops for participants to put the theory into practice. The end of the course will include exercises under exam conditions and participants will then sit the DevOps Fundamentals Certification exam

PROGRAM:

1. INTRODUCTION TO THE COURSE
   - History
   - Main DASA Principles
2. INTRODUCTION TO DEVOPS
3. CULTURE
4. ORGANIZATION
5. PROCESSES
6. AUTOMATION
7. MEASUREMENT AND IMPROVEMENTS
8. EXERCISES AND CERTIFICATION

DEVOPS

6 DASA DevOps Practitioner with Certification

Length: 2 days (14 Hours)

DevOps is a philosophy consisting of best practices to implement to increase collaboration between software developers and the departments responsible for operating the information systems. It offers concrete benefits because it actively helps improve the Quality of Life in the Workplace while also maintaining the focus on customer satisfaction. The goal of DevOps is to automate the company's software delivery systems and improve its infrastructures. DevOps will provide a suitable environment for rapidly and frequently designing, testing and deploying software.

OBJECTIVES:

Be able to explain the importance of the DevOps culture and identify DevOps behaviors. Set up DevOps teams and assess the tools. Pass the DevOps Practitioner Certification exam.

PREREQUISITES:

You must have passed the DevOps Fundamentals Certification exam. A minimum knowledge of English is required to pass the Certification exam. This course is directed at professionals with a knowledge of software development responsibilities and IT and Operations departments. A knowledge of Agile development is an asset.

TEACHING RESOURCES:

Each participant will receive a course manual. The course will include practical workshops for participants to put the theory into practice. The end of the course will include exercises under exam conditions and participants will then sit the DevOps Practitioner Certification exam.

Program:

1. TEAM SPIRIT IN DEVOPS
2. DEVOPS LEADERSHIP
3. CUSTOMER-FOCUSED VALUE
4. MEASUREMENT AND IMPROVEMENTS
5. CONTINUOUS IMPROVEMENT
6. EXERCISES AND CERTIFICATION

PROJECT MANAGEMENT

1 PROJECT MANAGEMENT (LEVEL 1)

LENGTH: 3 DAYS (21 HOURS)

This short, dynamic and practical course is designed for those wanting to learn the fundamentals of project management. The training modules ensure that participants continue to follow best practices in the long term.

OBJECTIVES:

This training has been designed so that best project management practices are implemented to optimize project performance, costs and timeliness.

PREREQUISITES:

None.

TEACHING RESOURCES:

Each participant will receive a course manual. The course will include practical workshops for participants to put the theory into practice.

PROGRAM:

1. INTRODUCTION TO PROJECT MANAGEMENT
2. DEFINING THE CONTENTS OF A PROJECT
3. RISK MANAGEMENT
4. CONTRACTUALIZATION
5. TIME, COST AND PROFITABILITY MANAGEMENT
6. COMMUNICATION MANAGEMENT
7. QUALITY MANAGEMENT AND KNOWLEDGE MANAGEMENT

APPENDIX

THE FOLLOWING 2022-2023 PRICE LIST IS PURELY INDICATIVE

and is subject to change depending on your requirements

Domain	Course	Price Per Participant
SCRUM	Development Using Agile Scrum (Scrum Master)	1 500€
AGILE PM® 1	AgilePM ® Foundation with Certification	2 600€
AGILE PM® 2	AgilePM ® Practitioner with Certification	1 700€
DEVOPS 1	DOI DevOps Foundation with Certification	1 900€
DEVOPS 3	DOI DevSecOps Foundation	2 300€
DEVOPS 2	DOI DevOps Leader with Certification	2 300€
DEVOPS 4	DOI DevOps SRE with Certification	2 300€
DEVOPS 5	DASA DevOps Fundamentals with Certification	2 300€
DEVOPS 6	DASA DevOps Practitioner with Certification	1 750€
Project Management	Project Management (Level 1)	1 500€