training code: ZP-DEVF-DOIen / ENG DL 2d / EN

DevOps Foundation (DOFD) - accredited training with exam

Learn about DevOps to support organizational efforts in reducing costs while increasing agility, quality and customer service; leverage case studies, real-world success stories, and metrics to demonstrate business success in this foundation level, course to support digital transformation.

As DevOps adoption continues to grow and drive digital business success, organizations and their teams need to ensure they have the needed skills and knowledge to deliver high-quality software solutions quickly, exceed customer expectations and outpace competitors.

THE AIM OF A TRAINING PROJECT:

- As organizations are facing new entrants in their respective markets, they need to stay competitive and release new and updated products on a regular basis rather than one or two times a year.
- The DevOps Foundation course provides a baseline understanding of key DevOps terminology to ensure everyone is talking the same language and highlights the benefits of DevOps to support organizational success.
- The course includes the latest thinking, principles and practices from the DevOps community including real-world case studies from high performing organizations including ING Bank, Ticketmaster, Capital One, Alaska Air, Target, Fannie Mae, Societe Generale, and Disney that engage and inspire learners, leveraging multimedia and interactive exercises that bring the learning experience to life, including the Three Ways as highlighted in the Phoenix Project by Gene Kim and the latest from the State of DevOps and DevOps Institute Upskilling reports.
- Learners will gain an understanding of DevOps, the cultural and professional movement that stresses

communication, collaboration, integration, and automation to improve the flow of work between software developers and IT operations professionals.
- The course is designed for a broad audience, enabling those on the business side to obtain an understanding of microservices and containers. Those on the technical side will obtain an understanding as to the business value of DevOps to reduce cost (15-25% overall IT cost reduction) with increased quality (50-70% reduction in change failure rate) and agility (up to 90% reduction in provision and deployment time) to support business objectives in support of digital transformation initiatives.
- Unique and exciting exercises will be used to apply the concepts covered in the course and sample documents, templates, tools, and techniques will be provided to use after the class.
- This certification positions learners to successfully complete the DevOps Foundation examination.

Training recipients

The target audience for the DevOps Foundation course includes Management, Operations, Developers, QA and Testing professionals such as:

- Individuals involved in IT development, IT operations or IT service management
- Individuals who require an understanding of DevOps principles
- IT professionals working within, or about to enter, an Agile Service Design
- Environment
- The following IT roles: Automation Architects, Application Developers, Business Analysts, Business Managers, Business Stakeholders, Change Agents, Consultants, DevOps Consultants, DevOps Engineers, Infrastructure Architects, Integration Specialists, IT Directors, IT Managers, IT Operations, IT Team Leaders, Lean Coaches, Network Administrators, Operations Managers, Project Managers, Release Engineers, Software Developers, Software Testers/QA, System Administrators, Systems Engineers, System Integrators, Tool Providers.

Benefits

Benefits for Individuals:

- Common DevOps concepts and terminology
- Benefits to the business and IT
- Continuous Integration, Continuous Delivery, testing, security and the Three Ways
- DevOps relationship to Agile, Lean and ITSM
- Improved workflows, communication, and feedback loops
- Automation practices including deployment pipelines and DevOps toolchains
- Scaling DevOps for the enterprise
- Demonstrate entry-level of DevOps knowledge

Benefits for Organizations:

- Shorter development cycles, faster innovation
- Reduced deployment failures, rollbacks, and time to recover
- Improved communication and collaboration
- Increased efficiencies
- Reduced costs and IT headcount

Training program

1. Module 1: Exploring DevOps
    - Defining DevOps
    - Why Does DevOps Matter?
2. Module 2: Core DevOps Principles
    - The Three Ways
    - The First Way
    - The Theory of Constraints
    - The Second Way
    - The Third Way
    - Chaos Engineering
    - Learning Organizations
3. Module 3: Key DevOps Practices
    - Continuous Testing, Integration, Delivery, Deployment
    - Site Reliability & Resilience Engineering
    - DevSecOps
    - ChatOps
    - Kanban
4. Module 4: Business and Technology Frameworks

- Agile
- ITSM
- Lean
- Safety Culture
- Learning Organizations
- Continuous Funding

5. Module 5: Culture, Behaviors & Operating Models
   - Defining Culture
   - Cultural Debt
   - Behavioral Models
   - Organizational maturity models
6. Module 6: Automation & Architecting DevOps Toolchains
   - CI/CD
   - Cloud, Containers, and Microservices
   - AI and Machine Learning
   - Automation
   - DevOps Toolchains
7. Module 7: Measurement, Metrics, and Reporting
   - The Importance of Measurement
   - DevOps Metrics – Speed, Quality, Stability, Culture
   - Change lead/cycle time
   - Value Driven Metrics
8. Module 8: Sharing, Shadowing and Evolving
   - DevOps in the Enterprise
   - Roles
   - DevOps Leadership
   - Organizational Considerations
   - Getting Started
   - Challenges, Risks, and Critical Success Factors

Expected preparation of the participant

Familiarity with IT terminology and IT related work experience are recommended.

Training Includes

- Access to a platform with accredited training materials

- Voucher for the AIOps Foundation online exam

Additional options:

- Take2 re-sit exam: 200 zł

  Attention: purchasing this option is only possible through Altkom Academy before the training.

The prices presented on the website apply to sales on the Polish market. For customers outside Poland, or in cases where the PeopleCert exam requires settlement under a different region, the final price may be adjusted in accordance with PeopleCert's applicable regional pricing policy. Please contact us to confirm the price and receive an offer tailored to your country/region: trainings@altkom.pl

Language

- Training: English
- Materials: English
- Exam: English

Examination method

The participants receive vouchers, which are valid for 6 months, for online exam.
Having completed the training, the participant receives an e-mail with guidelines how to register on the exam. The date is determined directly with PeopleCert, with the use of participant's account.
Online exam is conducted in the presence of proctor – a person from PeopleCert, who connects remotely with training participant's desktop and observes the course of exam via Internet camera.
The person who takes the exam is obliged to show the place where he is going to write the exam to proctor via Internet camera. Proctor checks if there are not any other persons and study aids in the room.

Duration

2 days / 16 hours

Examination description

DOF exam:

- Exam duration 60 minutes
- 40 multiple-choice questions
- Required 65%, 26 correct answers
- Opened book