

### Reference: PM22

### OPCA funding

#### Goals:

- Understand the objectives, vocabulary, concepts, and practices used in DevOps
- Discover the value of DevOps for the company
- Learn about improved workflows
- Understand that communication results in improved feedback loops
- Discover automation and its by-products
- Apply DevOps to a corporate environment
- Understand success factors and key performance indicators
- View real examples and understand the results

## DevOps Training

Expanding the Agile movement, DevOps is strengthening the link between Development (Dev) and Production (Ops) teams to better reconcile Velocity (TTM) and Quality of Service (QoS).

This training allows participants to acquire basic knowledge of DevOps, an approach that improves the fluidity of IT management, focusing on Culture, Automation, Measuring, and Sharing.

Propelling the digital transformation, the application of DevOps principles reduces development cycle time and can often apply right through to continued deployment.

### Teaching method

The training alternates between theory (35% of the course), practical workshops based on real-life scenarios (50% of the course) and feedback (15% of the course).

### Duration

The “DevOps Foundation” training lasts 21 hours over 3 days.

### Prerequisites

Although no previous training is required to attend this course, you should have experience in the IT Services industry (Design, Development, Operations).

### Exam for certification

The exam candidate must provide a valid form of personal identification. Lasting 60 minutes, the “DevOps Foundation – DevOps Institute Certification” exam is multiple choice with 40 questions. A total of 26 correct answers is required to obtain the certification (65%).

### Target Audience

This training is for anyone involved in one or more stages of implementing an IT project, from design to production, and in particular:

- CIOs
- Directors of Production
- Directors of Studies
- Project Managers
- IT Managers
- Development and Operations Teams
- Quality Control Managers
- Consultants



### About DevOps Institute

In collaboration with opinion leaders from the world of DevOps, ITSM, and training, the DevOps Institute is now offering its first DevOps certification.

[www.devopsinstitute.com](http://www.devopsinstitute.com)



## Educational methods

- Learning materials in paper format
- Exercise book containing multiple choice questions and practical exercises
- Automic Trivial Pursuit™, DevOps Edition

## Certification exam available in English:



## The 5+ of Automic University

- **Experience:** more than 3,500 people trained each year
- **Pragmatism:** experienced trainers who have methods in practice and who can illustrate the training with concrete examples
- **Innovation:** fun tools for complex information
- **Applicability:** beyond theory, our trainers share best practice from the industry
- **Customization:** training tailored to your needs to create levers for transformation

## Program

The training program is split into nine modules spread over three days.

### Module 1: DevOps – Overview

- Origins: background and commercial business
- What is DevOps? What is DevOps not?
- DevOps and Performance IT, performance measurement indicators

### Module 2: DevOps and other benchmarks

- DevOps & Agile
- DevOps & Lean
- DevOps & ITIL®

### Module 3: DevOps principles and values

- Principles: the three ways
- Values: CAMS (Culture, Automation, Measuring, Sharing)

### Module 4: DevOps culture

- DevOps culture and its characteristics
- Managing cultural changes

### Module 5: DevOps and the organization

- Skills
- Organizational structures and roles
- Collaboration and communication

### Module 6: DevOps practices and feedback

- Integration, delivery, and continuous deployment
- VSM (Value Stream Map)
- Kanban, theory of constraints, the Deming route, and the “Improvement Kata”
- Preparing for failure
- Improving ITSM processes

### Module 7: DevOps and tools

- Automation practices
- Considerations and categories

### Module 8: Implementing the DevOps culture

- Where do you start?
- Risks and success factors

### Module 9: Summary, workshops, and exam preparation

- Fun, interactive workshops based around DevOps and Agile methods, using the DevOps edition of Automic Trivial Pursuit™.
- Mock exam and shared review of answers

“DevOps Foundation” exam certification issued by the DevOps Institute



## CONTACTING THE TRAINING DEPARTMENT

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For over 30 years, Automic has been sharing its knowledge, skills, and expertise through its Automic University training center to offer tailor-made solutions to its customers. Our training and certification packages include both theoretical and practical examples from the industry, which cover:

- All Automic software solutions: Automation Engine, One Automation, Application Manager, Dollar Universe, Sysload, Streamcore, etc.
- All IT practices and standards: ITIL®, PRINCE2®, COBIT®, CMMI, DevOps, Lean IT, Cloud, etc., relying on innovative teaching tools such as the Automic edition of the world-famous game Trivial Pursuit™ (six editions dedicated to IT). Our courses are taught by experienced consultants from Professional Services and the Automic Consulting team to combine educational and operational experience. [www.automicuniversity.com](http://www.automicuniversity.com)