

DevOps Fundamentals



Overview

This course provides an introduction to DevOps – the cultural and professional movement that stresses communication, collaboration, integration and automation in order to improve the flow of work between software developers and IT operations professionals.

To maximize the IT value flow to customers, DevOps creates an improved ability to design, develop, deploy and operate software and services faster for the benefit of the business.

Higher customer satisfaction, better quality, faster delivery and lower costs are all benefits of using DevOps.





Key Topics

What is DevOps?

History and introduction to the key concepts of DevOps.

The urgency for DevOps

The business value delivery problem. The IT value delivery problem.

Key DevOps principles and concepts

C.A.L.M.S. and The Three Ways. Continuous delivery across the deployment pipeline. The scope of the full stack.

The full stack: people and culture

What is a DevOps culture? Transformational leadership. What is a DevOps team?

The full stack: processes and practices

The evolution of DevOps practices. The 15 essential practices of DevOps.



Objectives

Duration

2 days

This fundamentals level course will enable participants to:

- » Understand DevOps terms, principles, tools and practices, and how to use tools efficiently and effectively within a DevOps environment to achieve business goals.
- » Gain an understanding on the importance of communication, collaboration, integration, and automation in the DevOps movement, as critical factors, that improve the workflow between software developers and IT operations professionals and support organisations in their digital transformation journey.
- » Learn through hands-on guidance how the DevOps cultural and professional movement supports organisational efforts to reduce costs, while increasing agility, speed of execution, and output quality.

Exam and Certification

The Fundamentals qualification is designed to provide the core education necessary to build your DevOps vocabulary and to understand DevOps principles and practices.

- » Multiple-choice
- » 40 questions
- » 70% pass mark (28/40)
- » 60 minutes duration
- » Closed book
- » Online proctored

Exam taken after completing the 2-day course.

Take² Re-sit Exam Option

PeopleCert provide you with the opportunity to sit your exam knowing that if the outcome is not what you expected, you could have another attempt, at a fraction of the exam price.

[Learn more about Take² option.](#)



Course Delivery

Our two-day interactive and practical course provides participants with an opportunity to develop an understanding of DevOps concepts and terminology through real-life case studies, examples, interactive group discussions and business simulations.

Our accredited trainers will use a comprehensive participant handbook and a dynamic case study delivery approach to provide participants with a 'hands-on', multi-faceted and challenging learning experience.

Courses are facilitated by our expert team and can be conducted onsite, or at our premises. All courses can be customised to suit your requirements.

Materials: A comprehensive participant handbook is provided.



Who is this course for?

This course is designed for:

- » Individuals involved in IT development, IT operations or IT service management
- » Individuals whose role is touched by DevOps and continuous delivery including:
 - » DevOps Engineers
 - » Product Owners
 - » Integration Specialists
 - » Operations Managers
- » Incident and Change Managers
- » System Administrators
- » Network Administrators
- » Business Managers
- » Automation Architects
- » Enterprise Architects

Participants should:

Have basic familiarity with Agile, Scrum, Lean, and ITSM principles.

Professional Development Units (PDUs)

Participants who have been awarded the Project Management Professional (PMP)[®] credential by the Project Management Institute (PMI)[®] are eligible to earn PDUs for their participation in these courses as follows: **14 PDUs** (14 Technical)

CPDs

Participants holding any of the Project Management accreditations (CPPP/ CPPM/ CPPD) are eligible to earn CPDs as follows: **20 CPDs**

Why learn with PM-Partners?

Because we turn your career goals into reality.

Poor project skills are consistently quoted as a key reason for project failure. To be successful in project delivery, it's critical to invest in yourself and the capabilities of your team. This means setting clear goals and making a commitment to continuous improvement.

Certification and training is a vital part of this journey. But you need to know which foot to put forward, and when, to ensure you're heading in the right direction. That's where our expert guidance and support comes in.

Tell us where you want to go

At PM-Partners we start every conversation with the question, 'Where are you trying to go?' We then apply our expertise to show you exactly 'how' to get there.

We believe that having the relevant skills and methodologies is critical to delivery success, and ultimately career success. Depending on your aims, our team of professional development consultants will work closely with you to create a development pathway, or team training program, that aligns with your goals.

Helping to develop professional capabilities for 25 years

Our accredited programs provide certification and development across a range of globally recognised project management and delivery streams.



Mike Boutel
Head of Training



Nekta Vamvoukakis
Corporate Training
Consultant



Jourdan Clark
Professional Development
Manager

Each year, our expert facilitators train and certify more than 12,000 people throughout Australia, New Zealand and South-East Asia to best practice standards. All highly qualified practitioners in their field, they draw from real-life scenarios and their own experience to add real value for individuals, teams and organisations.

Our promise to you

PM-Partners is committed to providing industry leading education that is relevant, up-to-date and designed to meet your specific needs.

We offer qualifications in multiple disciplines, including key products in AXELOS' best practice portfolio, such as ITIL®, PRINCE2®, PRINCE2 Agile®, MSP®, MoP®, P3O® and P3M3®; APMG's AgilePM®, AgileBA®, AgilePgM™, Lean Six Sigma, Managing Benefits, Facilitation and Change Management; as well as the Scaled Agile Framework® (SAFe®); and Business Analysis programs from The Australian Chapter of the International Institute of Business Analysis™ (IIBA®), to name a few.

To find out more about how we can help you or your organisation uplift their capability, contact the experts on 1300 70 13 14.

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Customer story

Listen to Dominic Cain speak about how he went from being a young Chef to a Programme Director.





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been leaders in training and
professional certification for
over 20 years.

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qualified practitioners in their
chosen fields.



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