

# DevOps Foundation®





## Overview

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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 maximise 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.



## Objectives

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**Course duration:** 2 days

This foundation level course will enable participants to:

- Explore the core DevOps principles and practices that drive collaboration, automation, and continuous improvement across IT operations and software development.
- Gain insight into how DevOps supports business objectives through enhanced productivity, reliability, and agility in software delivery.
- Learn about the cultural and organisational considerations necessary for successfully adopting DevOps practices within teams and enterprises.
- Explore the key DevOps tools and technologies that facilitate automation, continuous integration, continuous delivery, and monitoring.
- Delve into the roles and responsibilities within a DevOps environment, focusing on fostering collaboration and breaking down silos.
- Prepare for the DevOps Foundation exam.

## Exam & Certification

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This course includes the DevOps Foundation exam which consists of:

- 40 multiple choice questions
- 65% pass mark
- 60 minutes duration
- Open book (Official Training Materials workbook only)

## PDUs & CPDs

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Professional Development Units. Participants who have been awarded the Project Management Professional (PMP)® credential by the Project Management Institute (PMI)® **are eligible to earn 14 PDUs** for their participation in this course (14 Ways of Working).

Participants holding any of the Project Management accreditations (CPPP/ CPPM/ CPPD) **are eligible to earn 20 CPDs** for this short course.

Your certification will need to be renewed within two years of its original certification date. Please refer to [PeopleCert](#) for more information.







## Key Topics

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### Exploring DevOps

The role of DevOps and why it's becoming increasingly significant today.

### Core DevOps Principles

Continuous Integration, Continuous Delivery, Testing, Security, and The Three Ways.

### Key DevOps Practices

Continuous Testing, Integration, Delivery, Deployment, Site Reliability and Resilience Engineering, DevSecOps, ChatOps, and Kanban.

### Business and Technology Frameworks

Agile and Lean methods, ITSM, Safety Culture, Learning Organisations, and Continuous Learning.

### Culture, Behaviours, Operating Models

Organisational Culture, Cultural Debt, Behavioural Models and Organisational Maturity Models.

### Automation, Architecting DevOps Toolchains

CI/CD, Cloud, Containers, and Microservices, AI and Machine Learning, Automation and DevOps Toolchains.

### Measurement, Metrics, and Reporting

The role of DevOps metrics including Speed, Quality, Stability, Culture, Change Lead/Cycle Time and Value Driven Metrics.

### Sharing, Shadowing and Evolving

DevOps in the enterprise: including DevOps leadership, the common challenges, risks, and critical success factors of implementing DevOps, and how to get started.

## Course delivery

### Pre-course:

Participants are requested to complete pre-course work prior to the course. Failure to complete pre-course work may mean that you are not ready to fully participate in the course and may limit your ability to gain the outcomes you are hoping to achieve.

Pre-course work will be sent out 2 weeks prior to course commencement and is expected to take approximately 2 hours to complete.

**Materials:** A comprehensive participant handbook is provided.

PeopleCert administers the DevOps Fundamentals examination scheme. PM-Partners is an accredited partner of PeopleCert (Partner ID: 3800).



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### Sitting your exam

One day before the course starts you will receive an email directly from PeopleCert. This includes a voucher code which provides access to course materials and the PeopleCert exam scheduling platform. You have 6 months to schedule and sit your exam online. Please check the requirements: [www.peoplecert.org/exams-peoplecert-online-proctoring-windows](http://www.peoplecert.org/exams-peoplecert-online-proctoring-windows) when making your booking.

Your certification will need to be renewed within three years of its original certification date. Please refer to [PeopleCert](http://PeopleCert) for more information.

### Take<sup>2</sup> 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.

## Who is this course for?

### This course is designed for:

Software Developers, IT Operations Managers, IT Service Managers, Business Analysts, DevOps Consultants, Infrastructure Architects, Integration Specialists, Network Administrators, Product Managers, Release Engineers, Engineers Software Tester, Quality Assurance, Administrators, System Administrators, Systems Engineers.

### Prerequisites:

To achieve the greatest benefit from participation in this course, participants should have basic familiarity with Agile, Scrum, Lean, and ITSM principles.

# 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.

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 PeopleCert's best practice portfolio, such as ITIL®, PRINCE2® Project Management, PRINCE2® Agile Project Management, PRINCE2® Programme Management, Prince2® Portfolio Management, and P3O®; APMG's AgilePM®, AgileBA®, AgilePgM™, Lean Six Sigma, Managing Benefits 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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Pay just 50% of your course fee now and pay the other 50% 14 days before your course starts. Select invoice on checkout and one of our consultants will call you to arrange your payment plan.



## Customer story

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



[vimeo.com/pmpartners/customer-story](https://vimeo.com/pmpartners/customer-story)

“

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in training and professional  
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Our trainers are highly qualified  
practitioners in their chosen fields.

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