

# DevOps Essentials Course

**Certificate:** DevOps Essentials (official exam)

**Duration:** 3 days

**Delivery Format:** Classroom, Virtual

## Target Audience

This essentials level course is designed for anyone in IT Service Management or Software Development seeking to understand how a DevOps approach can benefit their organization.

## Prerequisites

There are no prerequisites for this course.

## Exam

This course prepares participants for the examination leading to the DevOps Essentials certificate, granted by Professional Designations. Exam is 1 hour; multiple-choice; closed book. You will receive an exam voucher for the web-based exam. The exam can be taken in two formats: Paper-based or online.

## Credits

You will attain 18 professional development units (PDUs) for project managers with the Project Management Institute (PMI).

## Course Description

This certification course, designed by Pink Elephant, provides a new and unique perspective of DevOps through the “Full Stack” of culture, practices and automation.

What is the ‘Full Stack’ approach?

As a major game changer in IT, the DevOps revolution has brought about new practices in the Application Development and Systems Operations areas that can help your organization deliver IT services better, faster and cheaper. This course identifies the three critical success factors that make up the ‘Full Stack’ approach, including:

1. Changing culture
2. Improving practices and processes
3. Leveraging automation technologies

When you return to work, you will know how to be an effective, contributing member of a DevOps culture. Understanding how simply working more collaboratively amongst key teams and leveraging automation solutions will result in better business results for your customers.

## Learning Outcomes

Upon successful completion of DevOps Essentials, you will be able to articulate the benefits of implementing the Full Stack of DevOps culture, practices and automation at your organization to enable improved quality, higher speed and a reduction in costs, by meeting a progressive set of expected outcomes.

- Describe what DevOps is, and what it isn’t
- Explain the approach of thinking about the critical success factors of DevOps as a “Full Stack” of culture, practices and automation to determine what it means for your organization

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## We Also Recommend

- DevOps Advanced
- Lean IT Foundation: Understanding Lean IT Principles & Objectives
- ITIL® Foundation

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## Partners



## Learning Outcomes (Cont'd)

- Explain the need for DevOps as a solution to problems facing organizations today
- Summarize how the need for more value from IT drives the business towards DevOps
- Summarize the cultural, structural and technological barriers that IT faces when attempting to deliver services at the right quality, speed and cost and why challenges are faced when implementing DevOps in today's organizations
- Explain the basic concept, principles and scope of DevOps, including 'The Three Ways' and accelerators such as Lean and Agile that supported the evolution and emergence of the movement
- Summarize the key cultural values, Service Management, Project Management and Software Development processes and technologies that enable DevOps
- List the ways in which DevOps transforms culture and better organizes people to solve the cultural and structural challenges facing IT
- Explain the way that DevOps structures teams and people within an organization in support of its culture, processes and technologies
- Describe how DevOps practices transform processes, utilizing Lean, Agile and ITSM accelerators to solve the process design problems facing IT
- List the ways in which DevOps transforms and organizes technology through automation and new tools to solve the technological problems facing IT