

# FOUNDATIONS OF DEVOPS

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## DESCRIPTION

This accredited ICAgile Certified Professional (ICP) course is geared towards a broad audience of professionals, both technical and non-technical, who are eager to deliver and operate software and infrastructure in a more automated and streamlined manner.

Attendees will gain an excellent foundation in DevOps concepts and the ingredients for a successful transition to delivering value continuously. Relevant roles include developers, testers, operations leads and team members, managers, Agile coaches or anyone aspiring to these roles. The course also serves as a useful alignment exercise for teams that are already on their DevOps journey.

## LEARNING OUTCOMES

At the end of this course, attendees will gain insight into:

- The background, history and principles of DevOps
- The symbiotic nature of Agile, Lean and DevOps
- Pipelines of value and work
- Infrastructure as Code and Configuration Management
- Site Reliability Engineering
- Measurement and Improvement of Code Quality
- Virtualization, Containers, Public and Private Cloud, Platforms, Scaling and Monitoring
- Developing and Testing in a DevOps environment
- Source Control and Branching Strategies for Continuous Delivery
- Continuous Integration, Testing and Delivery
- Feedback loops at multiple levels
- Release and deployment patterns
- Continuous improvement and organisational learning

## SUMMARY

This two-day course delves into the fundamental underlying values, principles and practices of DevOps. It explains how and why DevOps practices work and how DevOps extends Agile and Lean disciplines. This course will challenge your team to question their current approaches to delivering software and give them clear guidance on the steps to take to continuously improve their delivery of value to the end user.

## COURSE LEVEL

■ ICAGILE PROFESSIONAL

## DURATION

2-day course

## COST

For prices, refer to [education.assurity.nz](http://education.assurity.nz)

## BOOK ONLINE AT

[education.assurity.nz](http://education.assurity.nz)

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## AGENDA

Whether you're just starting your DevOps journey or already have experience, you will benefit from this course. You will learn what it feels like to work in a DevOps team including delivering value to users frequently, learning from feedback and continuously measuring and improving your team's delivery of value. The 'learning by doing' style of instruction demands your open mind and active participation.

The course is facilitated by Assurity's DevOps team – skilled practitioners who have worked in high-performing teams both domestically and internationally. For private delivery, we conduct a training needs analysis that helps us to customise the course content to best help organisations address the challenges they are currently facing.

*This course is accredited by ICAgile as the first certification on their DevOps track. Students who successfully demonstrate learning will be awarded an ICAgile Professional – Foundations of DevOps certification.*

## TESTIMONIALS

*"The course material was delivered fantastically in a way that worked for everyone from daily DevOps users to those who didn't know what it was"*

*"An exceptional course in understanding more than just the technical aspects of how DevOps is applied. The 'why' was valuable but also it enabled me to see how cultural change is needed when looking at traditional infrastructure operational teams"*

*"You delivered the class so well and made it very engaging, I thoroughly enjoyed the course and learned a lot of valuable information. Your passion for DevOps has inspired me to delve deeper into the practice and continue it at work and home"*

## BOOKINGS & DISCOUNTS

Book and pay online at [education.assurity.nz](https://education.assurity.nz). We offer a 20% discount for early bird bookings made more than one month in advance. We offer discounts for groups of six or more.

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Assurity Education courses are delivered by Assurity Consulting, New Zealand's leading testing, Lean/Agile and DevOps consultancy.

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