

DOFD: DevOps Foundation

Understand what DevOps really changes — culture, flow, automation and measurement — and speak its language with confidence.

DURATION

2 days · 16 hours

LEVEL

Beginner

CURRICULUM

8 modules · 3 labs

DELIVERYLive online, Onsite,
Corporate

Course overview

DevOps is often reduced to a list of tools, but the organisations that benefit most treat it as a change in how teams work together. This two-day course explains the ideas behind DevOps, the practices that make it work and the measures that show whether it is working.

Day one covers why DevOps emerged, its core principles and the cultural shifts it needs: shared ownership, blameless learning, psychological safety and breaking down silos between development, operations, security and the business. You will explore value streams, flow and feedback, and see how DevOps relates to Agile, ITSM, Lean and site reliability engineering.

Day two moves to key practices — continuous integration, delivery and deployment, infrastructure as code, observability, and chaos engineering — and how toolchains are assembled to support them. It then covers measurement: flow and stability metrics, value stream metrics and how to report progress honestly. The day ends with a review of how to start or scale a DevOps transformation, followed by exam preparation.

The course is discussion-based with short exercises, including a simulation that shows the effect of small batches and automation on lead time.

This course is aligned to the DevOps Foundation certification exam. Exam format and provider details should be confirmed before booking; Ace Skills does not use official courseware.

Highlights

- 16 hours of live, trainer-led sessions
- Culture, practices, toolchains and metrics in one view
- Case studies from Indian IT services and product teams
- Hands-on pipeline simulation exercise
- Practice questions with review

What's included

- Balanced coverage of culture, practice and tooling
- Value stream mapping exercise
- Pipeline simulation game
- Metrics and reporting templates
- Practice questions with explained answers
- Course completion certificate from Ace Skills Consulting

Who this course is for

Who should attend

- Developers, testers and operations engineers
- Project, delivery and IT service managers
- Business analysts and product owners
- Leaders planning a DevOps transformation
- Anyone starting a DevOps career

Prerequisites

- General familiarity with how software is built and supported
- No technical prerequisites

Detailed curriculum — 2 days, 16 hours, 8 modules, 3 hands-on labs

Day 1 DevOps Principles and Culture

8 hours

1.1 Exploring DevOps

- Why DevOps emerged
- Common myths
- Core principles
- DevOps and business value

1.2 Culture and behaviours

- Shared ownership
- Psychological safety
- Blameless post-incident reviews
- Team structures and topologies

LAB Culture assessment workshop · 40 min

1.3 Flow and value streams

- Three ways: flow, feedback, learning
- Small batches and WIP
- Value stream mapping

LAB Map a delivery value stream · 45 min

1.4 Related frameworks

- Agile and Scrum
- ITSM and change enablement
- Lean
- Site reliability engineering

Day 2 Practices, Automation, Measurement and Exam Readiness

8 hours

2.1 Key practices

- Continuous integration
- Infrastructure as code
- Chaos engineering
- Continuous delivery and deployment
- Observability
- DevSecOps

2.2 Toolchains

- Toolchain categories
- Automation and architecture considerations
- Choosing tools

LAB Delivery pipeline simulation game · 50 min

2.3 Measurement

- Flow and stability metrics
- Dashboards and reporting
- Value stream metrics
- Avoiding vanity metrics

2.4 Getting started and exam readiness

- Starting a transformation
- Practice questions with review
- Sharing and evolving practices

Skills and tools

Skills you will build

- DevOps principles
- DevOps culture
- Value stream mapping
- Continuous integration
- Continuous delivery
- Infrastructure as code
- Observability
- DevSecOps
- DevOps metrics
- Site reliability engineering

Tools used in class

- Value stream mapping template
- Pipeline simulation
- Metrics dashboard examples

Certification exam

This course is aligned to the exam below and prepares you for it. The exam itself is booked and taken with the vendor.

Exam DevOps Foundation certification

Exam code DOFD

Exam skill areas covered

DevOps principles, DevOps culture, Value stream mapping, Continuous integration, Continuous delivery, Infrastructure as code, Observability, DevSecOps, DevOps metrics, Site reliability engineering

Exam details are pending verification. Confirm the current exam code, format and fee on the official vendor page before booking.

Frequently asked questions

Is this course technical?

Only lightly. It explains practices and tooling conceptually, so it suits both technical and non-technical roles.

Who provides the exam?

DevOps Foundation is offered through the DevOps Institute, now part of PeopleCert. We confirm the current exam format and booking route with you before enrolment.

What should I take after this?

Engineers often continue with Docker, Kubernetes, Terraform or Jenkins; managers with ITIL or Agile courses.

Can you run this for a whole department?

Yes. Private batches can use case studies drawn from your own delivery process.

Book a batch or talk to an advisor

Course page: aceskillsconsulting.com/course/dofd-devops-foundation · Email: info@aceskillsconsulting.com

Chennai office

Guindy, Chennai, Tamil Nadu

Delhi office

B-95, Old Post Office Street, Shakarpur

New Delhi 110092

Office: 98180 12523

PRINCE2 and ITIL are registered trademarks of PeopleCert group. DevOps Foundation is a mark of the DevOps Institute, part of PeopleCert. All product names, logos, brands, trademarks and registered trademarks are the property of their respective owners. Ace Skills Consulting is an independent training provider; unless explicitly stated, it is not affiliated with, endorsed by or sponsored by any vendor mentioned on this site. Exam details are provided for guidance and may change — always confirm on the vendor's official website. Curriculum generated on 23 Oct 2026; topics and order may be adjusted by the trainer to suit each batch.