

DEVOPS INSTITUTE: DEVOPS FOUNDATION (DOFD)

Course Code: 6943

Learn about DevOps to support organizational efforts in reducing costs while increasing agility, quality and customer service; leverage case studies, real-world success stories, and metrics to demonstrate business success in this foundation-level course to support digital transformation.

As organizations are facing new entrants in their respective markets, they need to stay competitive and release new and updated products on a regular basis rather than one or two times a year.

The DevOps Foundation course provides a baseline understanding of key DevOps terminology to ensure everyone is talking the same language and highlights the benefits of DevOps to support organizational success.

The course includes the latest thinking, principles and practices from the DevOps community including real-world case studies from high performing organizations including ING Bank, Ticketmaster, Capital One, Alaska Air, Target, Fannie Mae, Societe Generale, and Disney that engage and inspire learners, leveraging multimedia and interactive exercises that bring the learning experience to life, including the Three Ways as highlighted in the Phoenix Project by Gene Kim and the latest from the State of DevOps report.

Learners will gain an understanding of DevOps, the cultural and professional movement that stresses communication, collaboration, integration, and automation to improve the flow of work between software developers and IT operations professionals.

The course is designed for a broad audience, enabling those on the business side to obtain an understanding of Kubernetes and Containers. Those on the technical side will obtain an understanding as to the business value of DevOps to reduce cost (15-25% overall IT cost reduction) with increased quality (50-70% reduction in change failure rate) and agility (up to 90% reduction in provision and deployment time) to support business objectives in support of digital transformation initiatives.

Unique and exciting exercises will be used to apply the concepts covered in the course and sample documents, templates, tools, and techniques will be provided to use after the class.

This course positions you to successfully complete the DevOps Foundation exam, which is offered on the last day of class for classroom students. Virtual students will receive a voucher for a webcam proctored exam which they can schedule at their convenience.

What You'll Learn

Learners will gain a practical understanding of:

- DevOps objectives and vocabulary
- Benefits to the business and IT
- Principles and practices including Continuous Integration, Continuous Delivery, testing, security and the Three Ways
- DevOps relationship to Agile, Lean and ITSM
- Improved workflows
- Improved communication and feedback loops
- Reliance on automation
- Automation practices including deployment pipelines and DevOps toolchains
- Scaling DevOps for the enterprise
- Applying DevOps in an enterprise environment
- Critical success factors and key performance indicators
- Real-life examples and results

Who Needs to Attend

The target audience for the DevOps Foundation course are Management, Operations, Developers, QA and Testing including:

- Individuals involved in IT development, IT operations or IT service management
- Individuals who require an understanding of DevOps principles
- IT professionals working within, or about to enter, an Agile Service Design Environment

The following IT roles:

- Automation Architects
- Application Developers
- Business Analysts
- Business Managers
- Business Stakeholders
- Change Agents
- Consultants
- DevOps Consultants
- DevOps Engineers
- Infrastructure Architects
- Integration Specialists
- IT Directors
- IT Managers
- IT Operations
- IT Team Leaders

- Lean Coaches
- Network Administrators
- Operations Managers
- Project Managers
- Release Engineers
- Software Developers
- Software Tester/QA
- System Administrators
- Systems Engineers
- System Integrators
- Tool Providers

Prerequisites

Familiarity with IT terminology and IT related work experience are recommended

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CLASSROOM LIVE

\$1,595 USD

2 Day

Classroom Live Outline

Course Agenda

Exploring DevOps

- Defining DevOps
- Why Does DevOps Matter?
- Core DevOps Principles
 - ☒ The Three Ways
 - ☒ The First Way
 - ☒ The Theory of Constraints
 - ☒ The Second Way
 - ☒ The Third Way
 - ☒ Chaos Engineering
 - ☒ Learning Organizations
- Key DevOps Practices
 - ☒ Continuous Delivery
 - ☒ Site Reliability & Resilience Engineering
 - ☒ DevSecOps
 - ☒ ChatOps
 - ☒ Kanban
- Business and Technology Frameworks
 - ☒ Agile
 - ☒ ITSM
 - ☒ Lean
 - ☒ Safety Culture
 - ☒ Learning Organizations
 - ☒ Sociocracy/Holacracy
 - ☒ Continuous Funding

- Culture, Behaviors & Operating Models
 - ☒ Defining Culture
 - ☒ Behavioral Models
 - ☒ Organizational maturity models
 - ☒ Target Operating Models
- Automation & Architecting DevOps Toolchains
 - ☒ CI/CD
 - ☒ Cloud
 - ☒ Containers
 - ☒ Kubernetes
 - ☒ DevOps Toolchain
- Measurement, Metrics, and Reporting
 - ☒ The Importance of Metrics
 - ☒ Technical Metrics
 - ☒ Business Metrics
 - ☒ Measuring & Reporting Metrics
- Sharing, Shadowing and Evolving

Getting Started

Challenges, Risks and Critical Success Factors

Exam Review

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VIRTUAL CLASSROOM LIVE

\$1,590 USD

2 Day

Virtual Classroom Live Outline

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Getting Started

Challenges, Risks and Critical Success Factors

Exam Review

May 8 - 9, 2025 | 8:30 AM - 4:30 PM EDT

Jul 24 - 25, 2025 | 8:30 AM - 4:30 PM EDT

Nov 20 - 21, 2025 | 8:30 AM - 4:30 PM EST



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PRIVATE GROUP TRAINING

2 Day

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