SETC Training Corporate Logo

DevOps Training: DevOps Theory and Practice (DEVOPST, 4 jours)

Description

The course DevOps Theory and Practice (DevOps Training) explores DevOps implementation through process and technology. The course begins with a discussion on the proper use of the agile scrum framework in developing software with a view to integrating software development with IT operations. Once the theory and practice of scrum has been addressed, we turn our focus to the design and implementation of value streams and the three ways of DevOps: fast left to right workflow, fast right to left feedback and a generative culture. The training includes a thorough discussion of business processes and practices in the creation of automated release and deployment pipelines, the containerization of applications and best practices to reduce lead time and application deployments. The course concludes with a discussion on telemetry and change management within the context of a DevOps transition.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

DevOps: Laying the Foundation

- The Nature of Projects
- The Nature of Processes
- Project Versus Process: Why the Difference Is Essential
- How Projects and Processes Are Related
- Agile Is About Values
- The Scrum Framework
- About Software Development and IT Operations
- About Service Transition and Service Operations
- And Then There Was DevOps

Agile Scrum: Key Concepts

- Why Traditional [Waterfall] Software Development Fails in the Modern World
- Exploring Solutions to Common Software Development Pitfalls
- And Then There Was Scrum: Agile Values and Principles
- The Scrum Workflow: From Planning to Delivery
- The Sprint: Planning, Execution, Review and Retrospective
- How Requirements Are Gathered and Documented
- The Key Roles: Product Owner, Developers and the Scrum Master
- About the Product Backlog

Agile Scrum: How It’s Done

- The Product Owner Is the Key: Organizing the Product Backlog
- Managing Requirements in an Agile Organization
- The Agile Nature of Requirements Gathering and Decomposition
- About the Development Team, Sprint Planning and Sprint Execution
- The Scrum Master as a Linchpin to Process Efficiency
- About the Release Plan and Potentially Shippable Product Increments
- Moving From Development to Operations: Service Transition
- The Challenge of DevOps: Reducing Lead Time Through Process Efficiency

DevOps Is About Value Streams

- What Is a Value Stream?