

Red Hat Training: DevOps Culture and Practice Enablement

Course Duration: 40 Hours

Course Code: DO500

1. Course Overview

The **DO500 – Red Hat Training: DevOps Culture and Practice Enablement** course is an immersive, experiential program designed to help organizations adopt **DevOps culture, practices, and tools**. It focuses on enabling collaboration, automation, and continuous improvement through **Agile, Lean, and DevOps frameworks**.

This course goes beyond technical enablement by helping participants understand the **cultural shift required for DevOps success**, ensuring IT teams and business stakeholders work together to deliver **faster, more reliable, and high-quality outcomes**.

2. Learning Objectives

- Understand and apply the **core values of DevOps culture**.
- Use **Agile and Lean practices** to improve efficiency.
- Implement **continuous integration and continuous delivery (CI/CD)**.
- Practice **collaborative problem-solving** techniques.
- Learn how **automation and Infrastructure as Code (IaC)** enable DevOps.
- Create a **roadmap for scaling DevOps adoption** across teams.

3. Target Audience

- IT leaders, managers, and executives driving digital transformation.
- Agile coaches, scrum masters, and product owners.
- System administrators, developers, and operations engineers.
- Cross-functional teams seeking **DevOps cultural alignment**.

4. Pre-Requisites

- Basic knowledge of Agile and DevOps concepts.
- Familiarity with IT operations or software development processes.
- No advanced technical expertise required (focus is on culture + practices).

5. Course Modules

Module 1: Introduction to DevOps Culture

- Defining DevOps and cultural change
- Principles of collaboration, trust, and accountability

Module 2: Agile and Lean Practices in DevOps

- Implementing Agile frameworks
- Applying Lean principles for value-driven delivery

Module 3: Continuous Integration & Continuous Delivery (CI/CD)

- Understanding CI/CD pipelines
- Benefits of automation and rapid feedback loops

Module 4: Collaborative Problem-Solving

- Value stream mapping, impact mapping, and event storming
- Enhancing communication and shared goals

Module 5: Automation Practices

- Infrastructure as Code (IaC)
- Consistency and efficiency in operations

Module 6: Scaling DevOps Across the Enterprise

- Extending practices to multiple teams
- Building a roadmap for sustainable transformation

