Red Hat Training: DevOps Culture and Practice Enablement (TL500)

Category: Software Development & Programming | **Vendor:** Red Hat

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

DevOps Culture and Practice Enablement (TL500) is a five-day, immersive class offering students an opportunity to experience and implement cultural shifts that are utilized in many successful DevOps adoption journeys. Many agile training offerings focus on a particular framework, delivery mechanism, or technology. Instead, DevOps Culture & Practice combines the best tools from many leading frameworks to blend continuous discovery and continuous delivery with cultural and technical practices into a unique, highly-engaging experience simulating real-world scenarios and applications. To achieve the learning objectives, participants should include multiple roles from an organization. Business product owners, architects, developers, and site reliability engineers will gain the experience of working outside of their traditional silos. The daily routine simulates a real-world delivery team, where cross-functional teams learn how collaboration breeds innovation. Armed with shared experiences and best practices, the team can apply what it has learned to help the organization's culture and mission succeed in the pursuit of new projects and improved processes. This course includes a copy of the Red Hat Training: Open Practices for your DevOps Journey course book, which can be used as a resource as students take the learnings from this course and apply them to other real world scenarios.

About This Course

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Who Should Attend

This experience demonstrates how individuals across different roles must learn to share, collaborate, and work toward a common goal to achieve positive outcomes and drive innovation. Business product owners, developers, site reliability engineers, and engineers will especially benefit from experiencing this scenario, which includes some technical aspects that rely on working with software systems. You will know how to deliver continuous value to customers through an enhanced understanding of changing customer needs and the ability to more rapidly get new ideas to market. Our instructors will share experiences and best practices learned from engaging directly with customers during Red Hat services engagements.

Prerequisites & Entry Requirements

General Prerequisites:

Knowledge of agile practices is helpful. Experience using agile practices and methodologies such as Scrum is beneficial.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Most agile training focuses on a particular framework, or only on delivery or technology, but this course combines the best tools from many leading frameworks.This course blends continuous discovery and continuous delivery with cultural and technical practices into a unique, highly-engaging experience, packed with real-world applications. You will learn both the individual practices and how each builds upon the next to improve alignment and delivery efficiency. Some DevOps technical training focuses solely on implementation of technology to perform specific tasks, not on how that technology integrates and enables delivery of the many features and bug fixes that customers need. This class encourages a systems thinking approach to delivery.

Detailed Course Outline

1 - What is DevOps

- Brainstorm and explore what principles, practices, and cultural elements make up a DevOps model for software design and development.

2 - Collaborative practices to establish culture and shared understanding

- Learn and experience practices that facilitate great conversation and alignment across stakeholder groups such as priority sliders, pair programming, mob programming, conducting retrospectives, visualizing work, assessing team sentiment, and performing agile estimation.

3 - Understanding the Why and Who of software delivery

- Use the impact mapping discovery practice to connect deliverables to measurable impact. Learn how to use human-centered design, design thinking, and Lean UX to develop empathy with users and stakeholders.

4 - Domain-driven design and storytelling

- Learn and practice the powerful Event Storming tool to visualize and map event-driven systems to produce emergent architectures for iterative and incremental delivery.

5 - Prioritization and pivoting

- Experience the collection of ideas, aligning them to target outcomes, and using economic prioritization practices and value slicing to build product backlogs that can deliver incremental value.

6 - Agile practices

- Cover agile delivery practices, including Kanban, Scrum, sprint planning, daily standup, showcase, retrospective, and backlog refinement.

7 - Design of experiments

- Set up, execute, and measure the results of experiments by utilizing platform’s advanced deployment features, including A/B Testing, Blue/Green Deployments, Feature Toggles, Dark Launches, and Canary Deployments.

8 - Value stream and process mapping

- Delve into the practices of value stream mapping and metric-based process mapping to establish non-functional improvements that you can make to product delivery and execution of value streams.

9 - Continuous integration, deployment, and delivery

- Explore the foundational practices of continuous integration, continuous deployment, and continuous delivery.

10 - Non-functional requirements

- Learn how to elaborate non-functional areas that are unlikely to be captured by using practices primarily focused on the functional aspects of a solution.

11 - Testing

- Develop an understanding of test-driven development and business-driven development foundational practices, often called automated testing.

12 - Everything as code and GitOps

- Explore continuous integration/continuous delivery pipelines using Jenkins and Tekton and sing a GitOps approach to codify everything for repeatability. Experience how to extend pipelines to cover non-functional testing, monitoring, and observability.

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Additional Course Details

Nexus Humans Red Hat Training: DevOps Culture and Practice Enablement (TL500) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Red Hat Training: DevOps Culture and Practice Enablement (TL500) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Red Hat Training: DevOps Culture and Practice Enablement (TL500)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day Red Hat Training: DevOps Culture and Practice Enablement (TL500) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat Training: DevOps Culture and Practice Enablement (TL500) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat Training: DevOps Culture and Practice Enablement (TL500)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat Training: DevOps Culture and Practice Enablement (TL500). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Red Hat Training: DevOps Culture and Practice Enablement (TL500)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Red Hat Training: DevOps Culture and Practice Enablement (TL500) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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