DevOps Leadership and Continuous Delivery Strategy Training Course



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4100 € (Per Person)

Ref: #DT3476_273256

Course Introduction / Overview:

In today's fast-paced digital economy, the ability to deliver software rapidly, reliably, and safely is a critical competitive advantage. This course moves beyond the tools and technicalities to focus on the strategic leadership required to foster a successful DevOps culture and implement a robust continuous delivery pipeline. As articulated by thought leaders like Gene Kim in his seminal work "The Phoenix Project", true transformation is rooted in changing how people work and think. This program is designed to equip current and aspiring leaders with the mindset, strategies, and practices to guide their organizations through this complex journey. Participants will explore how to align technology initiatives with business goals, optimize value streams, and build high-trust, high-performance teams. At BIG BEN Training Center, we provide a comprehensive framework for leading change, managing technical debt, and embedding quality and security into every stage of the software lifecycle, ensuring sustainable and scalable success.

Target Audience / This training course is suitable for:

- IT Managers and Directors.
- DevOps Team Leads and Engineers.
- Software Development Managers.
- System Architects and Senior Developers.
- Product Owners and Product Managers.
- Project and Program Managers.
- Operations and Infrastructure Managers.
- Quality Assurance and Test Leads.
- Scrum Masters and Agile Coaches.

Target Sectors and Industries:

- Information Technology and Software Services.
- Banking, Financial Services, and Insurance (FinTech).
- E-commerce and Retail.
- Telecommunications and Media.
- Healthcare and Pharmaceutical.
- Government and Public Sector Agencies.
- Manufacturing and Engineering.
- Consulting and Professional Services.

Target Organizations Departments:

- Information Technology.
- Software Development and Engineering.
- IT Operations and Infrastructure.
- Quality Assurance (QA) and Testing.
- Product Management.
- Project Management Office (PMO).
- Cybersecurity and Information Security.
- Research and Development (R&D).

Course Offerings:

By the end of this course, the participants will have able to:

- Develop a strategic vision for DevOps and continuous delivery within their organization.
- Lead and nurture a culture of collaboration, shared responsibility, and continuous improvement.
- Apply value stream mapping to identify and eliminate waste in the software delivery lifecycle.
- Establish meaningful metrics and KPIs to measure and drive performance.
- Champion the adoption of key technical practices like CI/CD, IaC, and automated testing.
- Integrate security and compliance into the development pipeline (DevSecOps).
- Structure teams for optimal flow and reduced cognitive load using models like Team Topologies.
- Manage organizational change and overcome resistance to new ways of working.
- Articulate the business value and return on investment of a DevOps transformation.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be immersive, interactive, and highly practical. We believe that leadership skills are best developed through application, not just theory. The course combines expert-led instruction with collaborative group discussions, allowing participants to share experiences and learn from their peers. A significant portion of the training is dedicated to hands-on workshops and simulation exercises where attendees will tackle real-world leadership challenges, such as designing a delivery pipeline strategy or creating a cultural change roadmap. We utilize in-depth case studies from various industries to illustrate both successful and failed transformations, providing critical lessons learned. Participants will receive continuous feedback from the instructor and peers in a supportive learning environment, ensuring they leave with not only new knowledge but also the confidence to apply these strategic principles effectively in their own organizational context.

Course Agenda (Course Units):

Unit One: Foundations of DevOps Leadership

- The Three Ways: Principles of Flow, Feedback, and Continuous Learning.
- Distinguishing DevOps from Agile and Traditional IT Models.
- The Leader's Role in Fostering a DevOps Culture.
- Understanding the Business Value and ROI of DevOps.
- Case Study: The Genesis of the DevOps Movement.
- Aligning Technology Strategy with Business Objectives.
- Introduction to Continuous Delivery and Continuous Deployment.

Unit Two: Crafting a Continuous Delivery Strategy

- Value Stream Mapping for Software Delivery.
- Identifying Bottlenecks, Constraints, and Waste.
- Defining a Vision and Roadmap for Transformation.
- Setting Key Performance Indicators (KPIs) and DORA Metrics.
- Architecting for Low-Risk Releases and Decoupled Systems.
- Strategies for Managing and Reducing Technical Debt.
- Gaining Executive Buy-in and Stakeholder Alignment.

Unit Three: Enabling High-Performing Teams

- The Principles of a Blameless and High-Trust Culture.
- Applying Conway's Law and Team Topologies for Organizational Design.
- Fostering Psychological Safety and Effective Communication.
- Servant Leadership in a Technical Environment.
- Coaching and Mentoring for Skill Development.
- Managing Conflict and Driving Collaboration Between Dev and Ops.
- Empowering Teams with Autonomy and Accountability.

Unit Four: Technical Excellence and Automation

- The Strategic Importance of the CI/CD Pipeline.
- Leadership Perspectives on Infrastructure as Code (IaC) and Configuration Management.
- The Role of Automated Testing in Enabling Speed and Quality.
- Strategies for Monitoring, Observability, and Feedback Loops.
- Understanding Deployment Patterns: Blue-Green, Canary, and Feature Toggles.
- Containerization and Microservices Architecture from a Leadership Viewpoint.
- Building a Resilient and Self-Healing Infrastructure.

Unit Five: Scaling, Security, and Sustaining Momentum

- Integrating Security into the DevOps Lifecycle (DevSecOps).
- Principles of Site Reliability Engineering (SRE) for Leaders.
- Strategies for Scaling DevOps Across the Enterprise.
- Governing a Decentralized, High-Autonomy Environment.
- Managing Change and Overcoming Organizational Inertia.
- Future Trends: AIOps, GitOps, and the Software Supply Chain.
- Creating a Center of Excellence and Communities of Practice.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

How can a leader effectively balance the push for rapid delivery with the need for system stability and security within a DevOps framework?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by focusing squarely on the leadership and strategic dimensions of DevOps and continuous delivery, rather than getting lost in the specifics of any single tool or technology. While many courses teach the technical "how," we concentrate on the strategic "why" and "what," equipping leaders to make informed decisions that align with business outcomes. The curriculum is built around a holistic framework that integrates the three critical pillars of transformation: people, process, and technology. We emphasize the cultivation of a high-performance culture, recognizing that this is the most significant and challenging aspect of any DevOps initiative. By leveraging deep-dive case studies, interactive leadership simulations, and principles from organizational psychology and systems thinking, this course provides a multi-faceted learning experience. Participants will not just learn about DevOps; they will learn how to lead it, champion it, and sustain it for long-term competitive advantage.