

Certified SFe® DevOps Practitioner

Course Outline

1. CALMR Approach to DevOps

- Emphasizes Collaboration, Automation, Lean, Measurement, and Recovery
- Helps organizations avoid the pitfalls of automating broken processes, ensuring that automation improves efficiency rather than perpetuates errors

2. Continuous Exploration, Integration, and Deployment

- Successful DevOps practices incorporate continuous exploration to identify market needs, continuous integration to combine code changes frequently, and continuous deployment to deliver updates seamlessly
- This capability allows businesses to release features to end users on demand, enhancing responsiveness to market changes

3. Incorporating Continuous Testing and Security

- Continuous testing ensures that code is consistently validated throughout the development process, reducing the risk of defects
- Integrating continuous security practices protects the application at every stage of the pipeline, ensuring compliance and safeguarding sensitive data

4. Value-Stream Mapping

- Helps teams visualize the end-to-end delivery process, identifying bottlenecks that slow down delivery
- This analysis enables organizations to streamline workflows, optimize processes, and improve overall efficiency

5. Strategic Selection of Skills and Tools

- Choosing the right tools and skills is crucial for achieving rapid and impactful results
- Prioritizing investments in tools that align with business objectives maximizes return on investment and accelerates DevOps adoption

6. Prioritizing DevOps Solutions and Investments

- Focusing on solutions that deliver the greatest economic benefit helps organizations allocate resources effectively and drive strategic outcomes

7. Multi-Phased DevOps Transformation Plan

- Designing and implementing a phased approach tailored to the organization allows for manageable changes and minimizes disruption
- This plan should address cultural shifts, skill development, and process enhancements

8. Collaboration Across Roles and Levels

- Engaging all roles within the organization fosters a culture of continuous improvement

- Regular collaboration ensures that value streams are optimized and aligned with strategic objectives

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