DevOps Fundamental

The Fundamentals level of the PeopleCert DevOps qualification scheme is aimed at anyone who wishes to become an efficient member of a DevOps environment. DevOps is the combination of development, testing, and operations and includes continuous integration, automated testing, continuous delivery, and rapid deployment practices. Because DevOps practices require confidence that changes made to the code base will function as expected, automated testing is an essential ingredient that is integrated in the process in every step and relied upon for enforcement of quality gates and to ensure overall delivery quality.

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Who should attend?

DevOps Qualifications are designed for professionals in software and application development, IT department, as well as business analysts, project and product managers, and anyone aspiring to gain knowledge of DevOps principles.

Benefits

- Understand how it helps in continuous delivery and offers solutions to problems
- Learn about the common Infrastructure Servers, Scalability and Availability
- Implement Automated Installations and Deployments
- Understand Performance and basic Security for Infrastructure
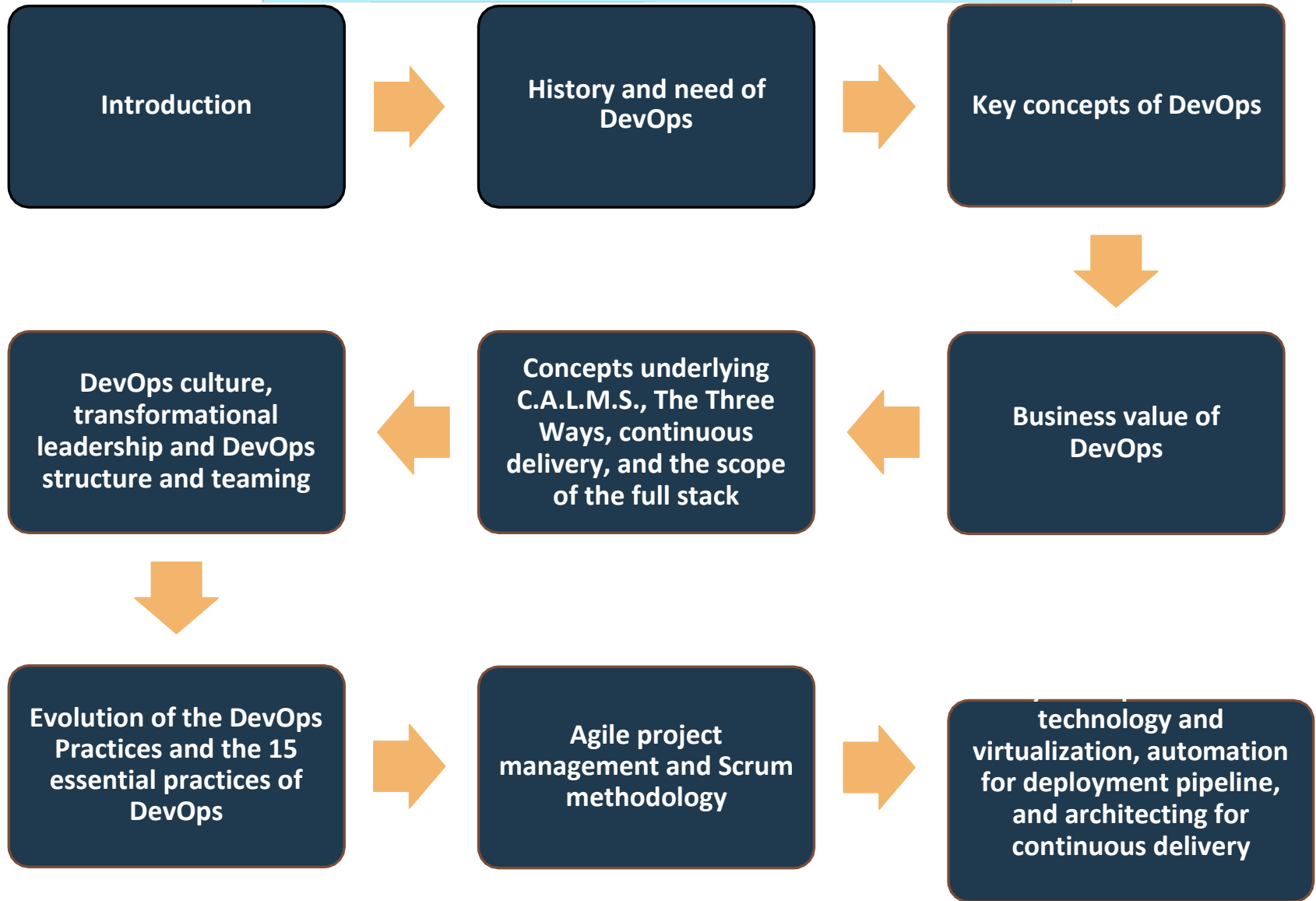- Understand & Implement Visualization Concepts
- Understand the need and concepts of Monitoring and Logging
- Understand the Continuous Integration and Deployment
- Understand how DevOps provides business benefits

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Course Outline

Introduction → **History and need of DevOps** → **Key concepts of DevOps**

Business value of DevOps ← **Concepts underlying C.A.L.M.S., The Three Ways, continuous delivery, and the scope of the full stack** ← **DevOps culture, transformational leadership and DevOps structure and teaming**

Evolution of the DevOps Practices and the 15 essential practices of DevOps → **Agile project management and Scrum methodology** → **technology and virtualization, automation for deployment pipeline, and architecting for continuous delivery**

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Prerequisites for the EXAM

- None
- Preferred: A basic familiarity with IT.

Note:

Softcopy of Mark sheets & certificates will be downloadable from the EI's site within 15 & 30 days respectively

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Classroom Exam Details

Internal exams will be conducted. The exam format may vary. *The Trainer/facilitator may also evaluate the participants during the program in the class.*

- Number of questions: 40 (Multiple choice)
- Pass Mark : 70% (28 out of 40)
- Open Book : No
- 1 point for each correct answer
- Exam duration : 60 minutes , 15-minute additional time for non-native candidates
- *Also refer the Examination Process*

Online Exam Details

For Online exam follow the below link –
https://www.peoplecert.org/browse-certifications/devops/PeopleCert-DevOps-37/peoplecert-devops-fundamentals-2690

https://www.peoplecert.org/help-and-support/FAQ#861619B5C47E4AD6BA16C0506867F1D8

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