


DevOps



Caltech

Center for Technology &
Management Education

Post Graduate Program in DevOps



DevOps Certification Training Course Introduction

Course Objectives

By the end of this course, you will be able to acquire the following skills:

- Describe DevOps & DevSecOps methodologies and their key concepts.
- Explain the types of version control systems, continuous integration tools, continuous monitoring tools, and cloud models.
- Work with: Git with GitHub and Git with Bitbucket.
- Configure your private Jenkins, TeamCity tools, and Jenkins with Java, Git, and Maven.
- Set up a test-driven development framework with Junit 5 and a behavior-driven development framework with cucumber.
- Describe the importance of Chef and Puppet. Perform demonstration on Ansible.

Course Objectives

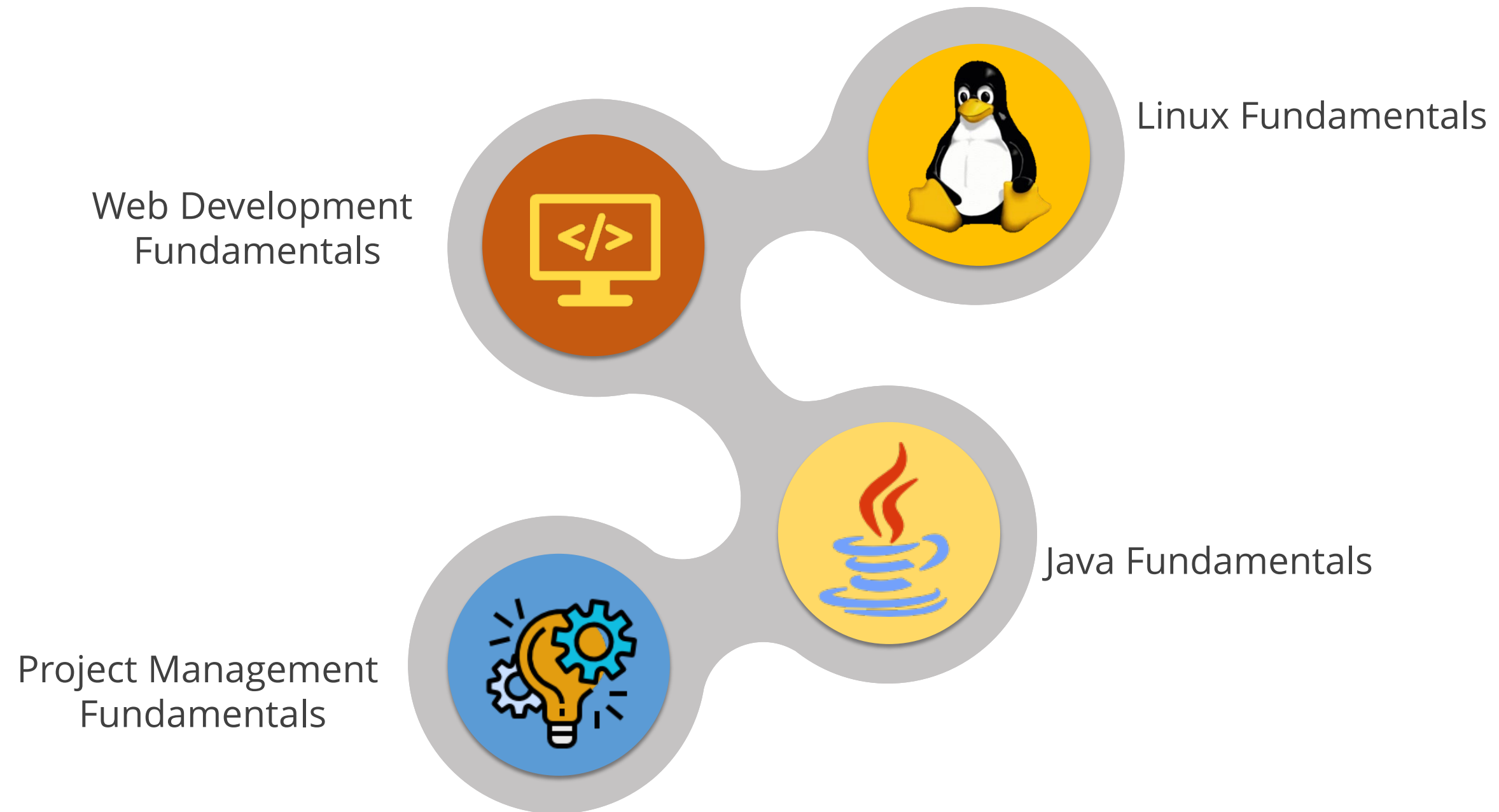
By the end of this course, you will be able to acquire the following skills:

- Work on the creation of Docker containers, Registry, Docker Compose, Docker Hub, and Docker Networking.
- Describe the importance of Grafana and ELK Stack. Perform demonstration on Nagios.
- Describe the importance of cloud in DevOps, use of AWS in DevOps, and deploy your private Kubernetes cluster.
- Set up your complete private infrastructure using version control systems and CI/CD tools.

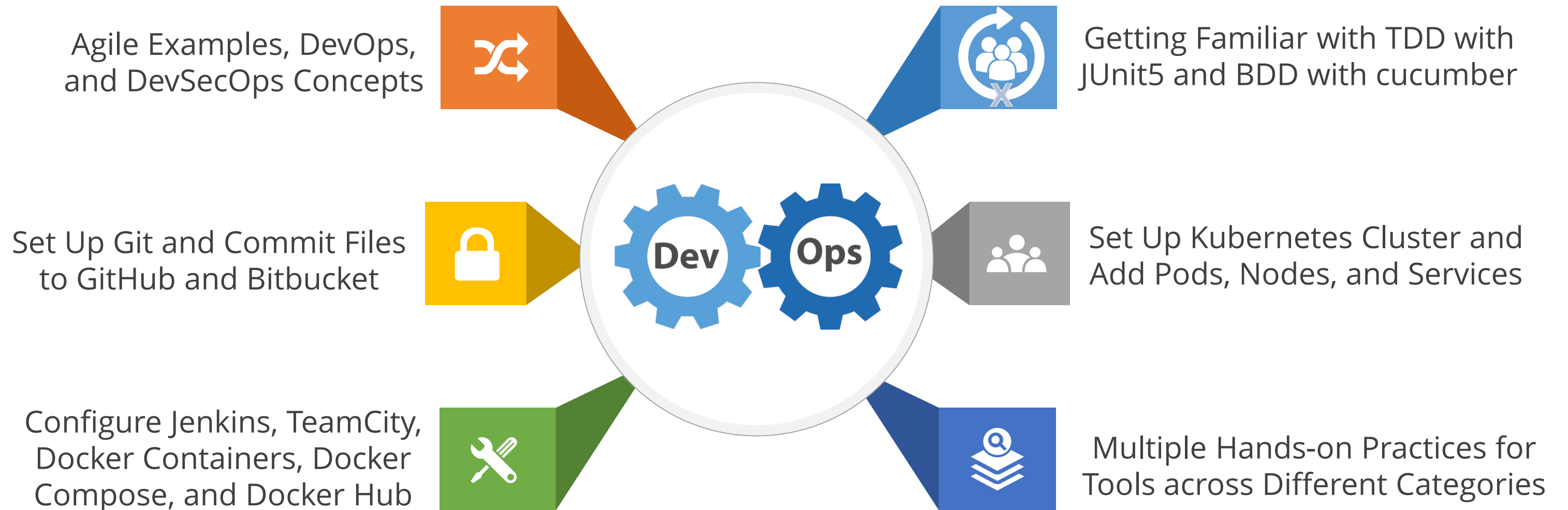
Course Outline



Prerequisites for This Course



Highlights of This Course



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Get Certified. Get Ahead.