

ALM Octane Fundamentals (ALM110)

ID ALM110 **Price** 2,400.— €(excl. tax) **Duration** 3 days

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Course Overview

This three-day course about Application Lifecycle Management (ALM) Octane teaches students how to leverage the streamlined ALM solution to bring continuous quality to lean, agile, and DevOps-focused teams. Students learn how to manage quality information throughout the development cycle, from constructing requirements to designing and executing tests to monitoring defects.

The course uses lectures and a series of hands-on labs to teach the course material. The hands-on labs for this course use version 16.x of the ALM Octane software.

This course is intended for quality assurance engineers, DevOps team members, project managers, and quality assurance leads.

Highlights:

- Overview of ALM Octane
- Create backlogs, releases, and tests in ALM Octane
- Reports to track application development progress and quality
- Integrate Jenkins with ALM Octane
- Working with pipelines in ALM Octane

Prerequisites

To be successful in this course, you should have the following prerequisites or knowledge:

- Basic knowledge of the Agile process
- Knowledge of Application Lifecycle Management
- Understand basic testing concepts

Course Objectives

On completion of this course, participants should be able to:

- Summarize what ALM Octane is and where it fits in your project lifecycle
- Differentiate ALM Octane from traditional ALM (ALM.NET)
- Describe the various features and functionalities available with ALM Octane
- Describe how ALM Octane helps in Agile methodology by supporting velocity without compromising quality
- Describe how ALM Octane is integrated with many tools, helping to implement DevOps, and providing comprehensive end-to-end control of the lifecycle
- Perform administration tasks at a basic level on the ALM Octane platform

Course Content

- Module 1: Course Overview
- Module 2: Introduction to ALM Octane
- Module 3: Project Management Flow
- Module 4: Backlog Management and Release Quality
- Module 5: Planning a Release
- Module 6: Managing the Team Backlog
- Module 7: Testing Flows in ALM Octane
- Module 8: Managing Defects
- Module 9: Agile Development Flow in ALM Octane
- Module 10: My Work Page
- Module 11: DevOps Main Flow
- Module 12: Working with Pipelines
- Module 13: ALM Octane Dashboards
- Module 14: ALM Octane Administration

Detailed Course Outline

Module 1: Course Overview

- Explain the daily classroom schedule and structure
- Review the overall course objectives

Module 2: Introduction to ALM Octane

- Describe ALM Octane

- Explain the ALM Octane lifecycle
- Log in to ALM Octane
- Explain the different modules in ValueEdge

Module 3: Project Management Flow

- Create a space, workspace
- Build a backlog
- Set up releases, teams, and user
- Plan a release Track progress
- Analyze and monitor release quality
- View Workflow

Module 4: Backlog Management and Release Quality

- Define ALM Octane backlog
- Explain the backlog cycle
- Explain backlog entities
- Build product backlogs
- Create the backlog tree
- Add user stories and quality stories to the backlog
- Rank the backlog
- Rank the backlog items subsets

Module 5: Planning a Release

- Identify release planning prerequisites
- Build a release backlog
- Assign backlog items to individual team members
- Move stories to another release
- Balance release and sprint workloads
- Module 6: Managing the Team Backlog
- Break stories into tasks
- Assign stories using team member buckets
- Track team progress
- Work on your stories

Module 7: Testing Flows in ALM Octane

- Describe and Create an Application Module
- Summarize the manual testing flow
- Describe manual and Gherkin tests
- Create tests: Manual, Gherkin, Test Suite
- Run manual tests, Gherkin tests, and test suites
- Plan test runs
- Report defects
- Save and compare versions of test scripts
- Add and run automated tests

Module 8: Managing Defects

- Report defects

- Fix defects
- Monitor defects
- Analyze product quality

Module 9: Agile Development Flow in ALM Octane

- Plan and create a workflow in the Agile model
- Create backlogs
- Plan releases and sprints
- Create tasks
- Track overall release progress
- Add tests to backlog items
- Run tests
- Analyze test results
- Work with release

Module 10: My Work Page

- Identify and view assigned items
- View tests
- View test runs
- Advance the phase of an item
- Attach files to items
- View item history

Module 11: DevOps Main Flow

- ALM Octane Integrations
- Set up integration with a CI server
- Obtain API access
- Install the ALM Octane CI plugin
- Add a CI server to ALM Octane

Module 12: Working with Pipelines

- Describe pipelines
- Explain how ALM Octane builds pipelines
- Display pipelines in ALM Octane
- Create and configure pipelines in the Jenkins UI
- Edit the pipeline and configure pipeline steps in Jenkins
- Run the pipeline from ALM Octane
- View pipeline results

Module 13: ALM Octane Dashboards

- Describe and use ALM Dashboards
- Use Dashboards
- Create and configure widgets
- Analyze overall quality in the Dashboard

Module 14: ALM Octane Administration

- Create workspaces
- Create releases



- Create teams
- Add users
- Create user-defined fields
- Create forms
- Create workflow phases
- Create business rules

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