



Hewlett Packard Enterprise

Course Data Sheet

ALMOCT110 – ALM Octane 12.x Fundamentals

Course No.: ALMOCT110-125	Category/Sub Category: Application Development Management/Octane
For software version(s): 12.5 Software version used in the labs: 12.5	Course length: Three days
Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)	Training is available as a private session onsite.
To order visit: HPE Software Education	

Course Description

This three-day course about HPE Application Lifecycle Management (ALM) Octane teaches students how to leverage this 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, designing and executing tests, through to monitoring defects.

The course uses lecture, text, and a series of hands-on labs to teach the course material. The hands-on labs for this course use version 12.5 of the ALM Octane software.

Audience/Job Roles

This course is intended for:

- Quality Assurance engineers
- DevOps team members
- Project Managers
- Quality Assurance leads

Course Objectives

Upon successful completion of this course, you should be able to:

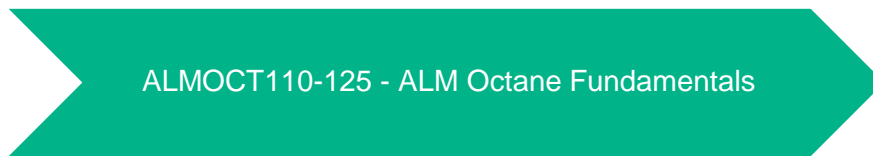
- Summarize what ALM Octane is and where it fits in your project lifecycle
- Differentiate ALM Octane from the traditional ALM (ALM.NET)
- Define the purpose of ALM Octane
- Describe the various features and functionalities available with ALM Octane
- Describe how ALM Octane helps in Agile methodology by supporting velocity without compromising quality
- Perform administration tasks at a basic level on the ALM Octane platform

Prerequisites/Recommended Skills

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

- Have working knowledge of Windows, websites, and browsers
- Understand basic testing concepts

Learning Path



Certification

NA

Additional Course

- ALM01IT – Application Lifecycle Management 12.5 Interactive Training Created by ART

Course Topics

Modules	Objectives
Module 1: Course Overview	<ul style="list-style-type: none"> • Explain the daily classroom schedule and structure • Review the overall course objectives
Module 2: Introduction to ALM Octane	<ul style="list-style-type: none"> • Describe ALM Octane • Explain the ALM Octane lifecycle • Log in to ALM Octane
Module 3: Project Management Flow	<ul style="list-style-type: none"> • Set up releases, teams, and workflows • Build a backlog • Plan a release • Track progress • Analyze and monitor release quality
Module 4: Agile Development Flow in ALM Octane	<ul style="list-style-type: none"> • Plan and create 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 5: Testing Flows in ALM Octane	<ul style="list-style-type: none"> • Summarize the manual testing flow • Describe manual and Gherkin tests • Create tests • Execute tests • Report defects • Analyze results
Module 6: DevOps Main Flow	<ul style="list-style-type: none"> • Set up integration with a CI server • Create a pipeline • Configure the pipeline • Run pipelines from ALM Octane • Assign tests to application modules and backlog items • Analyze the build and release quality
Module 7: My Work Page	<ul style="list-style-type: none"> • Identify and view assigned items • View tests • View test runs • Advance the phase of an item • Relate items to other items • Attach files to items • View item history

Module 8: Backlog Management and Release Quality	<ul style="list-style-type: none"> • 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 9: Planning a Release	<ul style="list-style-type: none"> • 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 10: Managing the Team Backlog	<ul style="list-style-type: none"> • Break stories into tasks • Assign stories using team member buckets • Track team progress • Work on your stories
Module 11: Working with Pipelines	<ul style="list-style-type: none"> • Describe pipelines • Explain how ALM Octane builds pipelines • Display pipelines in ALM Octane • Create and configure pipelines in the Jenkins UI • Create an ALM Octane pipeline in Jenkins • Edit the pipeline and configure pipeline steps in Jenkins
Module 12: Pipelines (Continued)	<ul style="list-style-type: none"> • Run the pipeline from ALM Octane • View pipeline results • Analyze automated test failures • Track code changes • View and share the pipeline overview
Module 13 – Creating and Running Tests	<ul style="list-style-type: none"> • Create manual tests • Create Gherkin tests • Automate Gherkin tests • Create test suites • Save and compare versions of test scripts • Run manual tests, Gherkin tests, and test suites • Plan test runs • Add automated tests • Run automated tests • Analyze automated test run results
Module 14 – Managing Defects	<ul style="list-style-type: none"> • Report defects • Fix defects • Monitor defects • Analyze product quality
Module 15 – Reporting in ALM Octane	<ul style="list-style-type: none"> • Track and analyze build, release, and product quality • Analyze overall quality in the Dashboard • View an overview of product or release quality • Analyze product and release quality in ALM Octane grids • Analyze build quality using pipeline data

Module 16 – ALM Octane Dashboards	<ul style="list-style-type: none">• Describe and use ALM Dashboards• Use Dashboards• Create and configure widgets
Module 17 – ALM Octane Administration	<ul style="list-style-type: none">• Create workspaces• Create releases• Create teams• Add users• Create user-defined fields• Create forms• Create workflow phases• Create business rules