Szkolenie: Micro Focus

ALM01IT-Application Lifecycle Management Interactive Training by ART

Cel szkolenia:

Participants in this self-paced training will understand the Application Lifecycle Management (ALM) application and be introduced to the new ALM Octane Web client. Students learn how to manage quality assurance (QA) information throughout the development cycle, including hands on simulations on constructing requirements, designing and executing tests, and monitoring defects.

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

- Describe ALM 12.5 and its new features
- Describe the new ALM Octane Web client
- Manage software releases and define requirements
- Develop test plans and execute tests
- Log and track defects
- Use Project Management tools, such as version control, libraries, and baselines
- Create reports, log and track defects

Audience/Job Roles

Quality assurance engineers, QA testers, project managers, ALM Administrators, QA Leads, and other ALM users responsible for managing projects.

Plan szkolenia:

- Introduction
    - Introduction
    - Objectives
    - ALM Overview
    - ALM Benefits
    - ALM Roadmap
    - ALM Hierarchy
    - ALM 12.0 Features
    - ALM 12.5 New Features
    - ALM 12.5 Editions

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    - ALM 12.5 Usage Models
    - Cross-Project Sharing and Reporting
    - ALM 12.5 Environment
    - The ALM Interface
    - Navigate the ALM User Interface
    - Summary
    - Assessment
- First Look at ALM Octane
    - Introduction
    - Objectives
    - Service Delivery Models Change as IT Becomes the Business
    - ALM Octane is the Next Generation ALM Web Client
    - ALM v12.53
    - The ALM Octane Release Plan
    - The ALM Octane Solution
    - The ALM Octane Lifecycle
    - The ALM Octane New Interface*
    - Add a New Standard Manual Test*
    - Customize ALM Octane*
    - Summary
    - Assessment
- Working with Releases
    - Introduction
    - Objectives
    - Relationship Between Releases and Cycles
    - Create a New Release*
    - Define Cycles*
    - Assign Requirements to Releases and Cycles*
    - Assign Test Sets to Releases and Cycles*
    - Add Attachments*
    - Summary
    - Assessment
- Work with Requirements and Analyze Risk
    - Introduction
    - Objectives
    - Requirement Types

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    - Specifying Requirements
    - Create a Requirements Tree*
    - Assign Requirements to a Release and Cycle*
    - Add Traceability Links*
    - Using Traceability*
    - Use the Traceability Matrix*
    - Using Risk-Based Testing
    - Perform a Risk Analysis*
    - Summary
    - Assessment
- Requirements Coverage
    - Introduction Objectives
    - Requirement and Test Coverage
    - Create a Test Coverage Link in the Requirements Module*
    - Create Requirement Coverage in the Test Plan Module*
    - Create Requirement Coverage Using Test Configurations*
    - Analyze Cycle Progress*
    - Track Cycle Progress with the Test Set Folders*
    - Summary
    - Assessment
- Test Planning
    - Introduction
    - Objectives
    - ALM Roadmap
    - Convert Requirements to Tests*
    - Create a Test Plan Tree Manually*
    - Add a Design Step*
    - Edit a Design Step*
    - Create a Test Configuration*
    - Call a Test*
    - Generate Automated Test Scripts*
    - Define Test Resources*
    - Link Tests to a Requirement*
    - Generate a Live Analysis Graph*
    - Summary
    - Assessment

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- Lab Management
  - Introduction
  - Objectives
  - Lab Management Concepts
  - Verify ALM and Lab Management Service Agents*
  - Launch ALM Lab Management*
  - Review Existing Hosts*
  - Build a VAPI Test Set*
  - Build and Run a VAPI Default Test Set*
  - Run a Functional Test Set Using Timeslots*
  - Create a New Host*
  - Summary
  - Assessment
- Test Execution
  - Introduction
  - Objectives
  - ALM Roadmap
  - Create a Test Set Folder*
  - Assign Test Set Folders to Cycles*
  - Create a Test Set*
  - Define Test Execution Flow*
  - Test Conditions and Dependencies*
  - Run Test Manually*
  - Set Test Set Notifications*
  - Run Test Automatically*
  - Summary
  - Assessment
- Build Verification
  - Introduction
  - Objectives
  - The Build Verification User Interface
  - Creating a Build Verification Suite*
  - Adding Functional Test Sets to the Suite*
  - Adding a Performance Test to the Suite*
  - Running the Build Verification Suite*
  - Summary

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- Assessment
- Test Runs
    - Introduction
    - Objectives
    - Viewing Test Runs
    - Test Runs User Interface
    - View Results for a Test Instance Run*
    - Viewing Results for a Functional Test Set Run*
    - Viewing Results for a Build Verification Suite Run*
    - Managing Linked Defects*
    - Purging Test Runs*
    - Summary
    - Assessment
- Sprinter
    - Introduction
    - Objectives
    - Sprinter
    - Use Plan Mode*
    - Add Parameters Using Plan Mode*
    - Call a Test*
    - Add an Application in Power Mode*
    - Capture Test Steps*
    - Run a Test*
    - Generate a Test*
    - Scan for Defects*
    - Summary
    - Assessment
- Defect Tracking
    - Introduction
    - Objectives
    - Use the Defects Module*
    - Defect-Requirement Relationship*
    - Defect-Test Relationship*
    - Log a Defect*
    - Link Defects to Tests*
    - Link Defects to Requirements*

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  - Update a Defect*
  - Summary
  - Assessment
- Reporting and Analysis
  - Introduction Objectives
  - ALM Roadmap
  - Predefined Reports and Graphs
  - Adding Sub-Reports*
  - Generate Graphs*
  - Create a Project Report*
  - Create Dashboard Folders and Pages*
  - Configure the Dashboard*
  - View a Dashboard Page*
  - Summary
  - Assessment
- Cross-Project Reporting
  - Introduction Objectives
  - What Is Cross-Project Reporting?
  - Types of Cross-Project Graphs
  - Create a Cross-Project Graph*
  - Exclude a Hub Project*
  - Summary
  - Assessment
- Business Views
  - Introduction
  - Objectives
  - Business View Details
  - Benefit of Business Views
  - Building a Graph with Business Views
  - Review Out-of-the-Box Business Views
  - Access Business Views in Project Customization*
  - Explore Business Views*
  - Duplicate and Modify a Business View*
  - Create a New Business View with DQL Functions*
  - Create a Graph Using a Business View*
  - Summary

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  - Assessment
- Cross Project Business View Excel Reports
  - Introduction
  - Objectives
  - Business View Details
  - Generate a Business View Excel Report*
  - The ALM Tab - Microsoft Excel*
  - The Worksheet Configuration Pane*
  - The Edit Query Dialog Box*
  - The Select Projects Dialog Box*
  - The Business View Options Dialog Box*
  - The Save Business View Excel Report Dialog Box*
  - Summary
  - Assessment
- Project Planning and Tracking
  - Introduction Objectives
  - What is Project Planning and Tracking?
  - Workflow
  - Terminology
  - Define Scope Items*
  - Define and Configure Milestones*
  - Assign KPIs*
  - Configure KPIs*
  - Define a New KPI*
  - Calculate KPIs*
  - View the Scorecard*
  - View the Master Plan*
  - Summary
  - Assessment
- Application Lifecycle Intelligence (ALI)
  - Introduction
  - Objectives
  - Application Lifecycle Intelligence
  - Set Up ALI*
  - SCM System Integration*
  - Build System Integration*

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  - Integrate ALI Within the Jenkins Build System*
  - Monitor SCM Changes and Traceability*
  - Monitor Development Activity*
  - Build-Test Traceability*
  - Monitor Build Activity*
  - Summary
  - Assessment
- Export from Excel
  - Introduction Objectives
  - Guidelines for Formatting Excel Files for Export
  - Exporting Data to ALM
  - Create a Worksheet for Export to ALM*
  - Export Worksheet Design Steps to ALM*
  - Export Requirements Data from Excel to ALM*
  - Summary
  - Assessment
- Version Control
  - Introduction Objectives
  - Check Entities Out and In*
  - View Version History*
  - Compare Versions*
  - Promote an Older Version*
  - Summary
  - Assessment
- Asset Sharing (Libraries)
  - Introduction Objectives
  - Asset Library
  - Use Case
  - Import a Library*
  - Working in Parallel
  - Compare Projects*
  - Synchronize Libraries*
  - Pin a Test to a Baseline*
  - Summary
  - Assessment
- Business Models

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    - Introduction Objectives
    - Business Process Model Overview
    - Capture Business Process Diagrams
    - Business Models Module*
    - BPM Capability
    - Import Business Process Models*
    - Identify Model Paths and Representative Requirements*
    - Link Requirements and Tests*
    - Analyze Quality*
    - Generate Reports*
    - Version at the Model Level
    - Summary
    - Assessment
- Mobile Access to References
    - Introduction Objectives
    - Accessing Reference Information on a Mobile Device
    - Summary
- Cross-Project Customization
    - Introduction Objectives
    - Center of Excellence (COE)
    - About Templates
    - Policy Enforcement User Roles
    - Customize Projects
    - Create a Template Project*
    - Link a Template to a Project*
    - Customize the Template*
    - Apply Cross-Project Customization*
    - Run Customization Reports*
    - Summary
    - Assessment
- Cross-Project Defect Sharing
    - Introduction Objectives
    - Cross-Project Defect Sharing
    - Sharing Components-Using ALM Synchronizer
    - Hub Project
    - Defect Sharing Workflow

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  - The Star Topology
  - Create User-Defined Fields*
  - ALM Synchronizer*
  - Create Filters for Defect Sharing*
  - Use a Global ID for Shared Defects*
  - Status Field Synchronization*
  - Shared Fields Synchronization
  - Transition Defect Responsibility*
  - Add New Projects to Defect Sharing*
  - Summary
  - Assessment

Wymagania:

To be successful in this course, you should have a working knowledge of: Windows, websites and browsers, and testing concepts.

Poziom trudności

Certyfikaty:

The participants will obtain certificates signed by Micro Focus (course completion).

Prowadzący:

Authorized Micro Focus Trainer.

Informacje dodatkowe:

Delivery Type: e-learning (10H).

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