



HP Helion Education Services Course Overview

Application Lifecycle Management 12.0 Interactive Training Created by ART (ALM01IT) (H8N93AAE)

HP's Adoption Readiness Tool (ART) provides initial and ongoing enablement to your users in order to ensure that you get the most out of your software. ART is a cost-effective, comprehensive IT education, documentation and performance support solution. ART provides pre-built simulation-based courses in HP Software that can be accessed by users anytime, anywhere.

This outline details the topics in our Application Lifecycle Management Course.

Course objectives

The HP ART Application Lifecycle Management content enables users of Application Lifecycle Management 12.0 to:

- Manage Software Releases and Define Requirements.
- Introduce the new Web Client for ALM.
- 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.

Why education services from HP?

- Named a 2014 IDC MarketScape leader* in IT education in Cloud, Security, Big Data, Storage, ITIL/ITSM, Project Management training, after being recognized in 2013 for being an IDC MarketScape leader in IT education overall
- Global reach through 90 training centers in 45+ languages, with access to over 800+ experienced instructors
- Job-focused courses on HP technologies leading to HP ExpertOne certifications
- Wide range of education consulting services tailored to your specific needs to prepare you for IT transformation projects

Course title:	Application Lifecycle Management 12.0 Interactive Training Created by ART (ALM01IT)
HP product number:	H8N93AAE
Category/Subcategory:	Cloud
Course length:	4 hours
Level:	Entry
Delivery language:	English
To order:	You can order this course online at http://www.hp.com/learn . At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

- Flexibility to learn through a wide variety of delivery modalities: traditional ILT (Instructor-led), VILT (Virtual instructor-led), WBT (Web based training), games and simulations

* IDC MarketScape: US Cloud , Security, Big Data, Storage, ITIL/ITSM, Project Management Training Ecosystem, August 2014 Vendor Assessments, IDC #250180, IDC #250186 , IDC #250181, IDC #250182, IDC #250185, IDC #250178, #239139.

Detailed course outline

Introduction

- Introduction
- Objectives
- ALM Overview
- ALM Benefits
- ALM Roadmap
- ALM Hierarchy
- ALM 12.0 New Features
- ALM 12.0 Editions
- ALM 12.0 Usage Models
- Cross-Project Sharing and Reporting
- ALM 12.0 Environment
- The ALM Interface*
- Navigate the ALM User Interface*
- The ALM Web UI
- Summary
- Assessment

The Web Client

- Introduction
- Objectives
- Using the ALM Web Client*
- Defining, Editing, and Monitoring Requirements
- Working with Requirements by Job Function*
- About Defects
- Working with Defects by Job Function*
- Customizing the ALM Web Client*
- Managing Projects*
- 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
- 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

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
- 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

HP Sprinter

- Introduction
- Objectives
- HP 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*
- 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
- Assessment

Cross Project Business View Excel Reports

- Introduction
- Objectives
- Business View Details
- Generate a Business View Excel Report*
- The HP 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

HP Application Lifecycle Intelligence (ALI)

- Introduction
- Objectives
- HP Application Lifecycle Intelligence
- Set Up ALI*
- SCM System Integration*
- Build System Integration*
- 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

- 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
- 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

***Indicates Simulation**

For more information

To locate country contact information and to learn more about education services, please visit our worldwide web site at <http://www.hp.com/learn>.

