

# ClearCase Power User

## Overview

This two-day, hands-on class, for developers currently using UCM ClearCase as their day-to-day SCM solution, covers advanced UCM ClearCase topics for a Windows or mixed Unix/Windows environment.

Day one of this two-day course is specifically for UCM environments. Day two is applicable for either UCM or base ClearCase environments.

## Prerequisites

- [ClearCase Fundamentals](#) and [ClearCase Intermediate](#) courses or equivalent ClearCase experience
- Students should be experienced ClearCase users with ability to create streams, create and remove views, create UCM activities, set activity to a view, check files out and in, create and recommend baselines, deliver and rebase streams, create new elements, diff text element versions with the ClearCase diff tool

## Objectives

At the end of this course, students will be able to create, configure, and support UCM projects. Students also will be able to debug issues common in UCM/ClearCase environments.

## Outline

### DAY 1: UCM CLEARCASE ENVIRONMENTS

#### Advanced UCM Topics

Storage Locations	Creating storage locations for VOBs/views
Create Project VOB	Creating project VOBs
Create Data VOB	Creating data VOBs
Data Import	Using the data import tool
New Project Creation	Creating a new project in UCM
Foundation Baselines	Understanding and changing UCM foundation baselines
Create Composite Baseline	Understanding UCM composite baselines

#### UCM Power User Topics

Shared Components	Sharing components across project VOBs
Deliver Policies	Setting UCM deliver policies
Other Policies	More UCM policies
ClearQuest Policies	Understanding customizable UCM/CQ interactions
Modifying the Magic File	Modifying the CC magic file to recognize new binary file types
Merging Binary Files	Configuring UCM to handle binary files deliveries
Reset Target View	Resetting the target view for rebase and deliver operations
Rebase Considerations	Understand how rebase can introduce incorrect versions to a development stream

*(Outline continues on next page.)*

**DAY 2: BASE AND UCM CLEARCASE ENVIRONMENTS****ClearCase Registry**

Registry Server	VOB and view registration commands
VOB Registry Commands	Administering VOBs with registry commands
View Registry Commands	Administering views with registry commands
Move VOB	Process for moving VOBs
Registry Cleanup	Keeping the registry healthy and clean
View Cleanup	Remove references to incorrectly removed views

**ClearCase Power User Topics**

View Backup Alternatives	Alternatives to full view backups
VOB Check	Utilities to check the health of a VOB
MVFS Basic	Understanding the MVFS architecture and debug tools
Element Permissions	Modifying file and directory permissions in a VOB
Troubleshooting	Troubleshooting file access permissions
Win/Unix Inter. Op.	Registering and accessing VOBs and views in a mixed Unix/Windows environment
Triggers	Creating triggers to automate policy and restrictions

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