

IBM - Base ClearCase® Administration, V8

Code:	U5NSL12G
Length:	2 days
URL:	View Online

This course teaches ClearCase administrators how to configure and manage the base ClearCase environment. It also covers basic ClearCase usage required to perform and understand registry administration tasks.

ClearCase is a family of software tools that facilitates software configuration management of source code and other software development assets. It also supports electronic design artifacts, thus enabling hardware and software co-development.

ClearCase offers two configuration management models: base ClearCase and UCM (Unified Change Management). Base ClearCase provides a basic infrastructure, while UCM is built on base ClearCase and provides an out-of-the-box model. Both models can be configured to support a wide variety of needs.

Audience

Individuals who need a fast track to configuring, maintaining, and administering a base ClearCase environment.

Prerequisites

No previous ClearCase experience required. This course covers the ClearCase functionality required to support base ClearCase maintenance and administration activities.

Key topics

- Basic ClearCase capabilities: create and remove views; add, remove, move, and rename files and directories
- Advanced ClearCase UCM capabilities: baselines, branching, and delivering code changes; create and configure VOBs, components, and directory structures
- Policy implementation: access permissions, operation automation/restrictions
- Registry administration: move and rename VOBs and views

Objectives

After completing this course, you will be able to use base ClearCase capabilities to configure and manage a ClearCase environment, including:

- Create and configure ClearCase VOBs, views, and directory structures
- Implement policy and flow control
- Manage VOB and view storage

Course Details

This class uses base ClearCase with dynamic views on the Windows platform.

- Introduction to ClearCase - Intro to VOBs, views, and the ClearTeam Explorer
- VOB and Dynamic View Basics - Intro to ClearCase virtual file system concepts
- Create Dynamic Views - Create and remove dynamic views

- View-Private Files - Create and manipulate private (local) files
- Check Out - Check out, check in, and undo check out
- Add to Source Control - Add new files to VOB
- Rename, Move, and Remove - Changing directory structure in a VOB
- Merge Basics - Use basic merge operations on a sample file
- Batch Merge - Use the Merge Manager for batch merges
- Labels - Create label type, apply label, lock label type
- Config Spec Basics - Edit version selection rules
- Config Spec Make Branch - Use automatic make branch
- Create Storage Locations - Create storage locations for VOBs and views
- Create Data VOB - Intro to the mkvob command with its various options and a discussion of VOB ownership
- VOB Planning - VOB/component planning; use symlinks
- Deleting Data - Reasons to delete data; preventing unauthorized removal of data
- Links - Symbolic and hard links
- Element Permissions - Underlying permission structure of file and directory elements
- MVFS - ClearCase multi-version file system
- Triggers - Create and use triggers to automate policy
- Registry Server - Overview of VOB and view registration commands
- VOB Registry Commands - Administer VOBs with registry commands
- View Registry Commands - Administer views with registry commands
- Registry Cleanup - Keeping the registry healthy and clean
- View Cleanup - Remove references to removed views
- Move VOB - Use registry commands to move a VOB
- Move View - Use registry commands to move a view

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