

Perforce Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Perforce Training by Multisoft Systems offers an in-depth understanding of one of the most powerful version control systems used in enterprise software development. Designed for developers, DevOps engineers, and configuration managers, this course equips learners with the skills to efficiently manage source code, digital assets, and large-scale development environments.

Module 1: Introduction to Perforce & Version Control

- ✓ Centralized vs. distributed VCS
- ✓ Introduction to Perforce (Helix Core) and architecture
- ✓ Perforce vs Git vs SVN – enterprise considerations

Module 2: Installing and Setting Up Perforce

- ✓ Installing P4D (server) and P4V (client)
- ✓ Configuring depots, users, and workspaces
- ✓ Connecting and working with the Perforce server

Module 3: Essential Perforce Operations

- ✓ Adding, editing, and submitting files
- ✓ Changelist concept: default vs numbered
- ✓ Reverting, shelving, syncing, file history
- ✓ Viewing diffs and resolving conflicts

Module 4: Branching and Merging with Streams

- ✓ Understanding Streams (Mainline, Development, Release)
- ✓ Creating task and feature branches
- ✓ Integrating and merging between branches
- ✓ Shelving for peer review

Module 5: Workspace and Project Management

- ✓ Multi-workspace configurations
- ✓ Best practices for directory structure and mapping
- ✓ Handling large assets (binary, media, etc.)
- ✓ Using labels and tags

Module 6: User Access and Permissions

- ✓ Managing users and groups
- ✓ Defining permissions: read, write, super
- ✓ Auditing and access control logs

Module 7: Automation and Helix Triggers

- ✓ Server-side triggers and use cases
- ✓ Validating changelists on submit
- ✓ Enforcing commit policies
- ✓ Integration with Jenkins or TeamCity

Module 8: GUI Tools and IDE Integrations

- ✓ Using P4V for visual operations
- ✓ P4Merge for visual conflict resolution
- ✓ Integrating with Visual Studio, IntelliJ, Eclipse
- ✓ Intro to Swarm for peer reviews and collaboration

Module 9: Maintenance and Backup

- ✓ Server logs and diagnostics
- ✓ Performing hot and cold backups
- ✓ Scaling Perforce for enterprise use
- ✓ Best practices for performance tuning

Module 10: Hands-on Project

- ✓ Real-world simulation: versioning a large project
- ✓ Branching, merging, reviewing, and submitting
- ✓ Applying triggers and testing automation