

Perforce Software offers a full spectrum of training and implementation services to fit your needs and assist you in integrating Helix Core into your daily workflows.

We offer:

- Remote training via WebEx
- On-site training at your location
- Custom training and implementation

## Helix Core Training

### HELIX CORE USER BASIC

This half-day course introduces you to Helix Versioning Engine and prepares you to use it with confidence. You'll learn general concepts and practical skills, with opportunities to practice concepts and techniques in a lab environment.

In this course, you will follow accelerated instruction to best understand the fundamental aspects of Helix, including process support via changelists, labels, and jobs, and to discover reporting techniques using Helix metadata.

#### COURSE AGENDA

- Helix system overview and user interfaces
- Overview of P4V preferences
- Basic user operations:
  - Creating workspaces
  - Working with files and changelists
  - Submitting changelists
  - Keeping workspaces in sync with the depot
  - File reporting and diffing
- Basic parallel development and process support:
  - Working with streams
  - Merging files
  - Resolving file conflicts
  - Copying up
  - Jobs and defect tracking
  - Time-lapse view
  - Revision graph
  - Introduction to shelving

### HELIX CORE USER ADVANCED

This 8-hour course includes everything in the Helix Core User Basic course. It also includes training on classic branching and workspaces.

*Choose from either onsite (1, 8-hour day)  
or online (2, 4-hour days) options*

#### COURSE AGENDA

Everything in the Helix Core Basic course, plus:

- Managing streams
- Planning directory structure
- Working with components
- Workflow automation and integrations
- Labels
- Introduction to code reviews (Helix Swarm)
- Brief command line overview

## Helix Core Training (cont.)

### HELIX CORE ADMIN

This 8-hour course teaches you how to establish best practices for better long-term success. You will gain a mastery of Perforce so that you are less likely to encounter scaling, performance, and project problems that impact productivity. This course covers topics essential to administering Helix, including basic deployment architecture, backup and recovery, and more.

Choose from either onsite (1, 8-hour day)  
or online (2, 4-hour days) options

#### COURSE AGENDA

- Installation
- Setup
- LDAP / AD (Intro)
- Backup and recovery
- Protections
- Depots
- Helix Server Jobspec
- Maintenance
- Monitoring
- Trigger Capabilities Overview

#### WHAT YOU'LL LEARN

- Develop a firm understanding of administering Helix
- Backup and recovery procedures to protect data against losses and how to recover in the event of an emergency
- Day-to-day care and feeding of the server installation, rotating logs, routine maintenance
- Protections and access controls
- Integrating Perforce jobs with external defect trackers
- Monitoring the server
- Overview of trigger capabilities for policy enforcement, systems integrations, etc.
- SDP (Server Deployment Package) overview

### HELIX CORE ADMIN ENTERPRISE

Enterprise environments and product development projects are growing more complex. In this course, you will gain a deeper understanding of Perforce administration with instruction that covers topics essential to administering Helix, including basic deployment architecture, backup and recovery, and more—while diving deeper into comprehensive tactics for administering Helix Core in large and geographically distributed enterprise environments.

Choose from either onsite (2, 8-hour days)  
or online (4, 4-hour days) options

#### COURSE AGENDA

Everything in the Introduction to Helix Core Administration Basic course, plus:

- Replication - Introduction
- Full Distributed - Edge Servers
- Advanced Maintenance
- Offline Checkpoints
- LDAP / AD (Advanced, includes Group Sync)
- Broker
- Security
- Advanced Tools
- Scripting

#### WHAT YOU'LL LEARN

Everything in the Helix Core Admin course, plus:

- P4Broker, P4Proxy, and replication for scaling to global deployments
- Advanced topics in security, LDAP, Active Directory
- Advanced administration of large numbers of users, branches, and locations
- Tools available from Perforce to ease administration
- Introduction to scripting automation with Helix

### CUSTOM TRAINING

Helix Core training can be tailored to your organization's specific needs, whether online or on-site. We will work with you to design a package that best fits your organization's needs.

Schedule customized training with our consultant team across all Helix components, including Helix4Git, DVCS, Helix Swarm, and others. Your custom training can focus on any and all platform tools to optimize your product development processes.

## Helix Core Consulting

### QUICK START IMPLEMENTATION

Our implementation team will ensure your new software is installed and configured optimally, providing existing server installation audits to ensure your system will perform at scale. Although Perforce can be installed out of the box, our consultants will expertly configure Helix to your specific environment and your specific file types, which will maximize server performance immediately.

Perforce consultants will set up a series of scripts to automate checkpoint and validation processes to help secure system intellectual property. Our experts will also work to automate multi-step processes to save administrator time; we'll help implement optimal security to prevent unauthorized access to your data; and consultants will install triggers to help integrate Perforce with enterprise best practices in mind.

These are important tasks that, if done incorrectly, can cause major system headaches down the road. Our script automation protects your system against that risk.

### ADVANCED IMPLEMENTATION

Our advanced implementation includes all the configurations found in our Quick Start option but goes even further to support your environment.

Our consultants will integrate Helix Core into your authentication servers and ensure your intellectual property is protected through a Disaster Recovery (DR) process including backup servers. Our experts will install scripts that can quickly and painlessly recover IP in the case of lost data.

### ENTERPRISE IMPLEMENTATION

Perforce Enterprise Implementation is perfect for large-scale installations and configurations across your multi-server environments, specifically where many variables apply to system performance and must be optimized seamlessly.

This option includes configurations from both the Quick Start and Advanced implementations. It includes server audits, automated checkpoint setup, server architecture, proxy optimization, and how to manage replicas for your globally distributed workforce.

The enterprise implementation is designed to provide a system capable of working at any scale, with Helix Core effectively managing heavier workloads as projects and personnel pools grow.

### CUSTOM IMPLEMENTATION

Day, night, any time you choose, our experts will schedule a preparatory meeting with your organization to establish the scope and effort of your system implementation. Our pay-as-you-go model offers added flexibility navigating a unique implementation, and the consulting rate is the same for both remote and on-site work.

### CLOUD IMPLEMENTATION

Select from the listed quick start, advanced, enterprise, or custom implementations and apply it to the cloud. Consultants expertly set up your Helix Core server(s) in Amazon Web Services (AWS), Microsoft Azure, or Google Cloud Platform environments. Cloud implementation is purchased with the same pay-as-you-go model for maximum flexibility. Not sure where to start? Our team can assess your needs and help you build the optimum solution for your enterprise.

## CONTACT US

To learn more, go to [www.perforce.com/support/consulting](http://www.perforce.com/support/consulting).  
To schedule your Helix Core training, call us at +1 510.864.7400.  
Questions? Email us at [consulting@perforce.com](mailto:consulting@perforce.com).

## CONSULTING PACKAGE DIFFERENCES

|  | Quick Start | Advanced | Enterprise |
|--|-------------|----------|------------|
| Audit existing installation                                  | ✓           | ✓        | ✓          |
| Set up automated checkpoints                                 | ✓           | ✓        | ✓          |
| Configure verification of checkpoints                        | ✓           | ✓        | ✓          |
| Ready to install in the cloud                                | ✓           | ✓        | ✓          |
| Integrate with AD / LDAP                                     | ✗           | ✓        | ✓          |
| Integrate administration automation scripts and training     | ✗           | ✓        | ✓          |
| Set up Disaster Recovery                                     | ✗           | ✓        | ✓          |
| Install Helix Swarm  | ✗           | ✓        | ✓          |
| Install one server   | ✓           | ✓        | ✗          |
| Install up to five servers                                   | ✗           | ✗        | ✓          |
| Install proxies, replicas, and brokers                       | ✗           | ✗        | ✓          |
| Set up High Availability                                     | ✗           | ✗        | ✓          |
| Train admins to use SDP tools                                | ✗           | ✗        | ✓          |
| Assistance planning future scaling, growth, and integrations | ✗           | ✗        | ✓          |