PERFORCE

Integration Testing for Healthcare Information Technology

Introduction

Every healthcare organization is being pushed to improve their information technology capabilities. Regardless of the initiative — HIPAA 5010, Meaningful Use Stage 1, ICD-10, or Stage 2 of Meaningful Use — IT teams face incredible pressure to upgrade and deploy a variety of systems within tight time, budget, and quality constraints.

Complex IT Environments Create Integration Testing Challenges

Government-mandated initiatives and standards touch many systems within and outside health-care providers, making comprehensive integration testing critical. Perforce Software's test man-agement solution, Helix Test Case Management (TCM), simplifies and accelerates integration testing to reduce risk and help ensure compliance.

With our solution, you can manage and automate testing assets, streamline traceability, and improve visibility into the overall progress of your integration testing effort.

We've worked with some of the leading con-sultants, insurers, and healthcare providers worldwide, including Fletcher Allen Health Care, Cincinnati Children's Hospital, Massachusetts General, First Choice Health, Pacific Blue Cross, and others.

Helix TCM enables you to:

- Reduce risk and have greater confidence in the project schedule.
- Achieve real-time visibility into testing progress.
- Gain more time to plan projects and manage your team.
- Eliminate gaps in test coverage.
- Attain a single source of truth.
- Collaborate between clinical, financial, and operations.
- Keep your team on track.

Implementing Helix TCM for integration testing gives you powerful tools that will allow you to maintain quality for years to come.

Helix TCM Streamlines Integration Testing

Reduce risk and have greater confidence in the project schedule. Timely completion of initiatives, such as the ICD-10 rollout, can be critical to your organization's continuing success. Helix TCM helps you manage integration testing, including assigning work, improving estimates, and tracking completion and results — ensuring projects are completed on time.

Achieve real-time visibility into testing progress. Trace business and system requirements through the testing process and verify all requirements and areas of integration have been tested. You also gain greater insight into the issues or roadblocks that threaten a project's schedule or budget.

Gain time to plan projects and manage your team. Customizable reports and charts help you measure impact, monitor burn down rates, track project progress, and measure productivity — all with just a few clicks. These efficiencies give you more time for planning and management tasks.

Eliminate gaps in test coverage. Perform gap analysis to find requirements or test cases that may have been overlooked, analyze system and business requirements, and identify the technical issues that will impact compliance.

Attain a single source of truth. Perforce users don't have to enter the same information multiple times. Requirements, test cases, test results, defects, source code, and other such artifacts are linked and managed in one central repository, so data only needs to be entered or updated once.

Collaborate among clinical, financial, and operations. Give all teams insight into every stage of the development lifecycle, enabling fact-based reviews of each project and team, with Helix TCM. You can review the schedule status of active projects, investigate test plan performance across teams, analyze defect counts across release cycles, and more.

Keep your team on track. Efficiencies are gained when the entire team is working from the same playbook — yours. Configurable workflows and advanced security will enforce your best practices and adherence to your processes.

Helix TCM Simplifies Integration Testing Challenges

Helix TCM delivers greater efficiencies and better visibility into your integration testing progress. With it, you can automate and enforce workflow processes, and establish clear traceability and ownership while providing process repeatability, with integrated testing.

Try Helix TCM free as a part of the Helix ALM suite of products, which includes Helix Requirements Management and Helix Issue Management.

"As a result of implementing Perforce's solution, we have the disparate groups all working under the same policies and procedures. Before, working with a different group was like working with a different company."

Michael Lohss, Manager, Software Engineering, First Choice Health

About Perforce

Enterprises across the globe rely on Perforce to build and deliver digital products faster and with higher quality. Perforce offers complete developer collaboration and agile project management tools to accelerate delivery cycles – from agile planning tools to requirements, issues and test management, which then link to all source code, binary assets and artifacts for full build and release tracking and visibility. The company's version control solutions are well known for securely managing change across all digital content – source code, art files, video files, images, libraries – while supporting the developer and build tools your teams need to be productive, such as Git, Visual Studio, Jenkins, Adobe, Maya and many others. Perforce is trusted by the world's most innovative brands, including NVIDIA, Pixar, Scania, Ubisoft, and VMware. The company has offices in Minneapolis, MN, Alameda, CA, Mason, OH, the United Kingdom, Finland, Sweden, Germany, and Australia, and sales partners around the globe. For more information, please visit www.perforce.com