

BETTER SCM FOR THE ENTERPRISING DEVELOPER

Any software's development cycle comes with potentially critical complications; developer distribution, branching models, and coding to name a few. Fortunately, these difficulties can be eliminated with proper Software Configuration Management (SCM) practices. SCM often defines a software development process, and maximizes factors such as build management and code review to ensure rapid delivery of a better product.

As a leading professional and consulting services company, we at Lyra understand the importance of SCM in development cycles. Here are some facts and figures that further reinforce its significance.

Lyra carried out an independent survey on ASEAN knowledge workers. This is what we discovered:



experience versioning issues every day



get confused over which is the right file



manually merge edits



e-mail wrong versions of files



work on wrong versions of documents

The Solution: Better SCM Practices

Simple changes in your development cycle can enable faster delivery of better software. Here are five effective SCM techniques you can start with*:



Use Change Packages for Issue-tracking

Change packages make it easier for developers to track changes by linking them with the reasons and data behind said changes to give full visibility into history.



Merge and Integrate Frequently

Bringing together branches or changes of code frequently prevents failure of merging processes and integrates a team's changes in real time.



Build and Release Frequently with Continuous Integration

Integrating your code several times a day reduces the time taken to merge changes from one developer sandbox to another.



Create a Structure for Distributed Development

Cooperating and sharing code with distributed teams will be easier with a single repository between sites.



Use a Promotional Branching Pattern

Managing transfers of roles, responsibilities, and code integrations will stabilize the code as it moves up the hierarchy.

SCM can make or break your software's development process, depending on how you implement it. After all, two-thirds of all software projects fail due to improper configuration**. However, your software can stay ahead of the curve and be the digital world's next big success through proper SCM — which we at Lyra specialize in.

Embrace the Lyra edge for speedy software development!

* According to a white paper published by Micro Focus International in 2015

** According to a CHAOS study by the Standish Group