

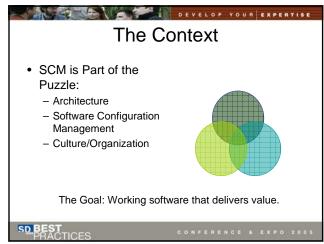


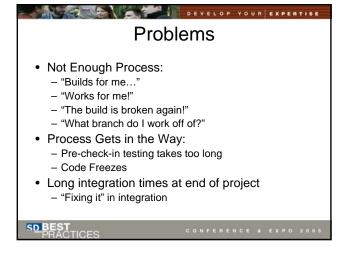
Goals • Discuss some common problems • Learn how taking a "Big Picture View" of SCM will you make your process more effective • Understand how working with an Active Development Line model simplifies your process

About Me Software Developer, Architect, Consultant, Author. Currently at Iron Mountain Digital Startup and established company experience Systems ranging from travel web sites, to enterprise systems, to space science systems Agile and Iterative Development

DEVELOP YOUR EXPERTISE





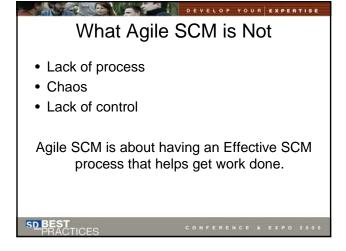


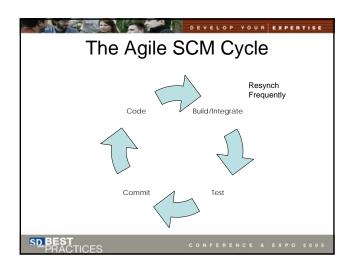


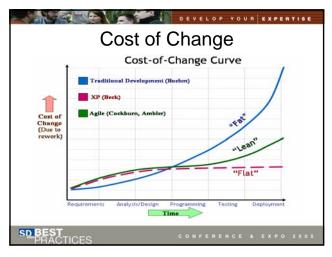




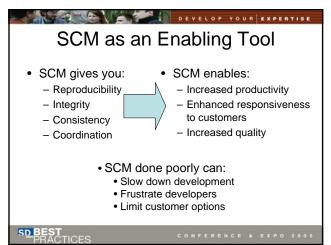












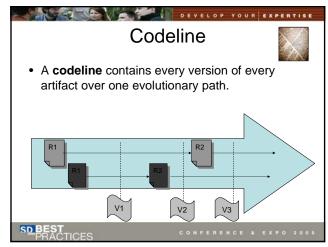
Alternate Definition of SCM

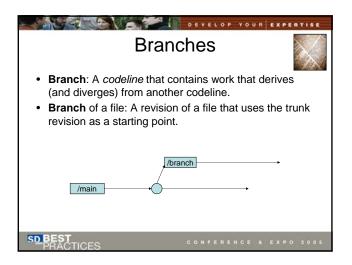
- SCM is a set of structures and actions that enable you to build systems in repeatable, agile fashion while improving quality and helping your customers feel more confident.
- SCM facilitates frequent feedback on build quality and product suitability.

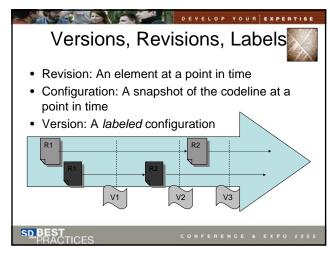
SDBEST
PRACTICES
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Core SCM Practices • Frequent feedback on build quality and product suitability through: - Version Management - Release Management - Build Management - Unit & Regression Testing

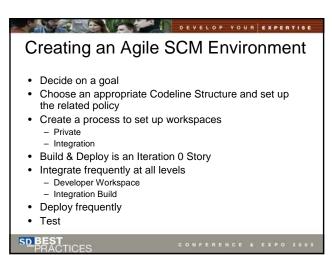


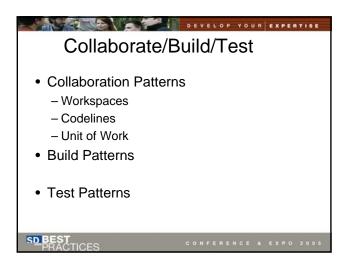


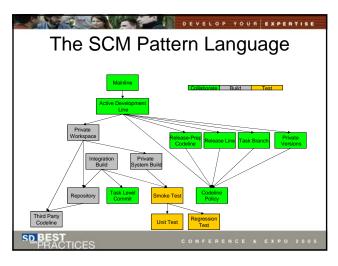


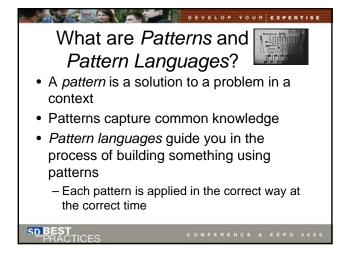


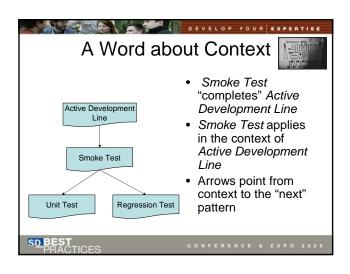


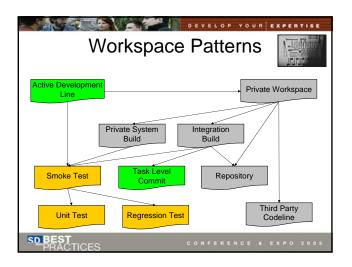


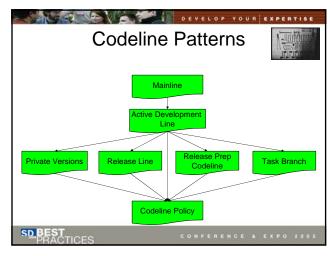


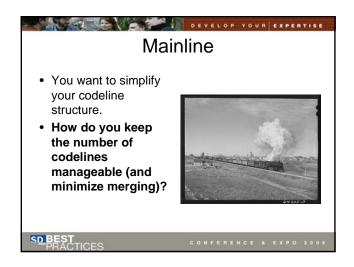


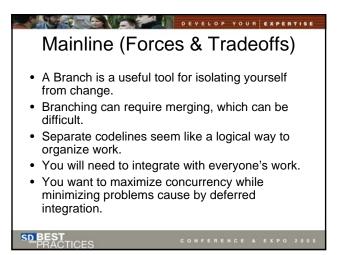


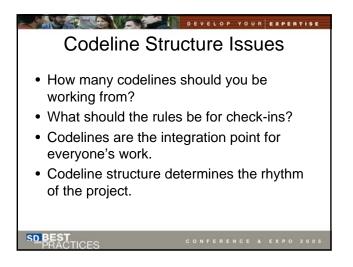


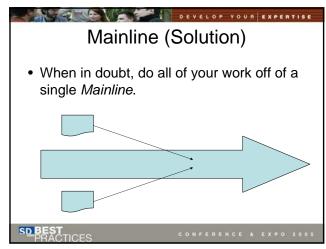


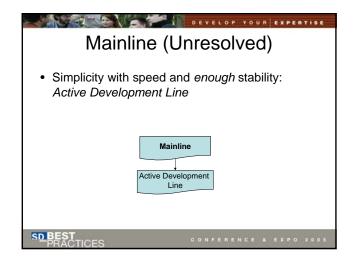


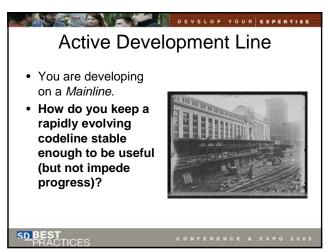




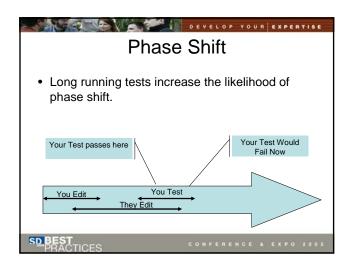


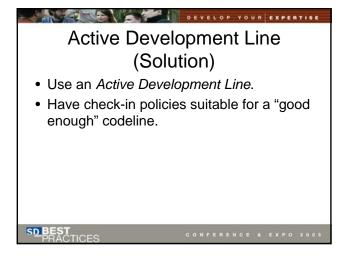


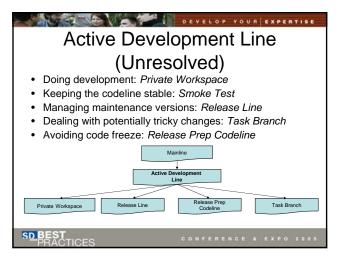




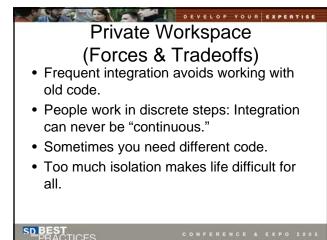
Active Development Line (Forces & Tradeoffs) • A Mainline is a synchronization point. • More frequent check-ins are good. • A bad check-in affects everyone. • If testing takes too long: Fewer check-ins: – Human Nature – Time • Fewer check-ins slow a project's pulse.



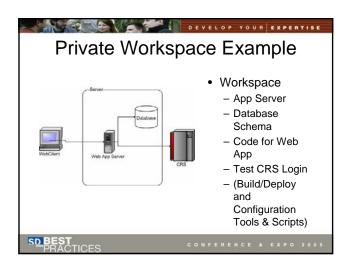


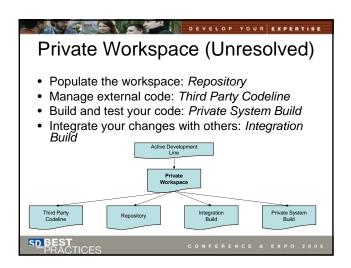










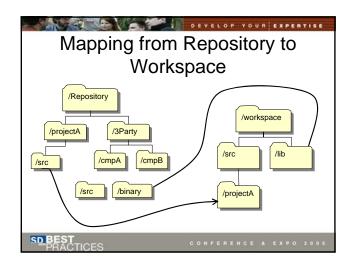


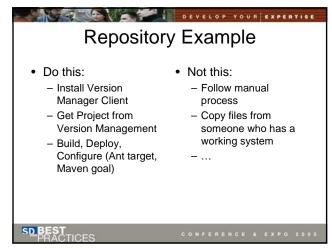


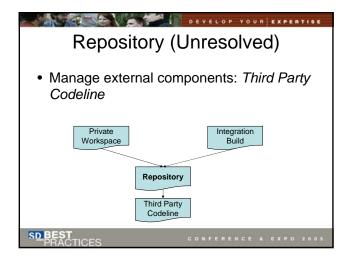


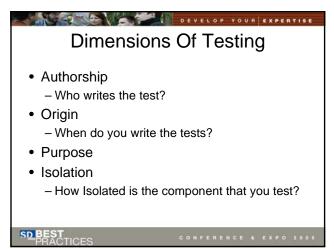
DEVELOP YOUR EXPERTISE

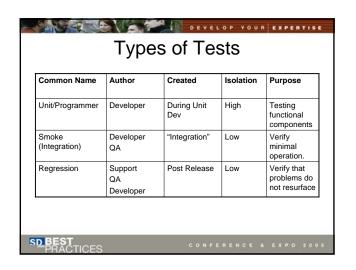


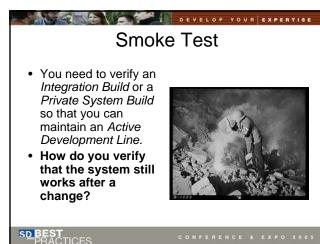




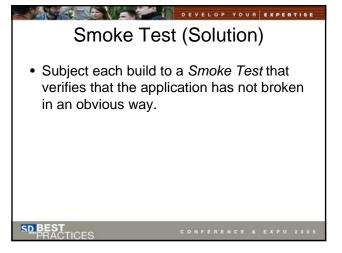


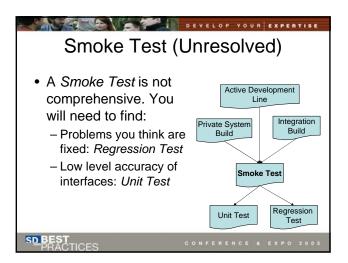


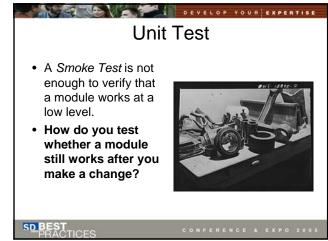


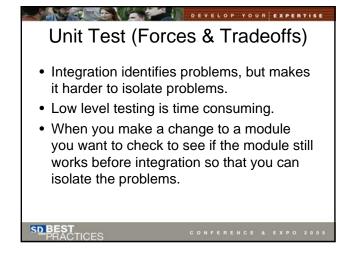


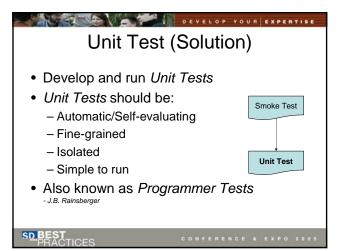
Smoke Test (Forces & Tradeoffs) • Exhaustive testing is best for ensuring quality. • Longer tests imply longer check-ins - Less frequent check-ins. - Baseline more likely to have moved forward.

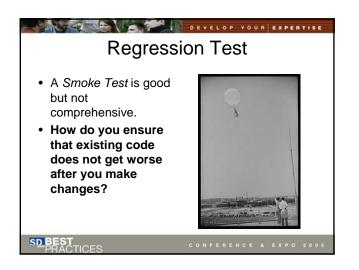


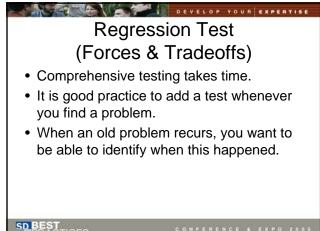


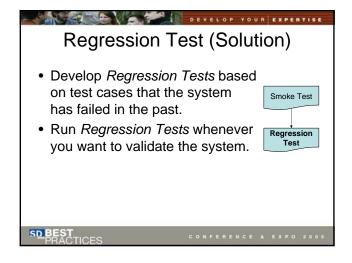


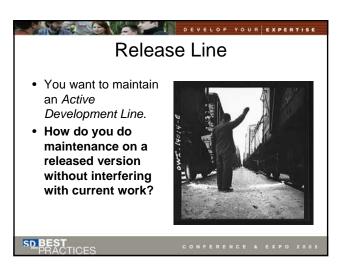


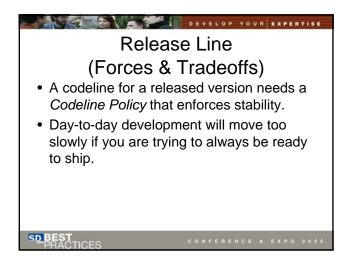


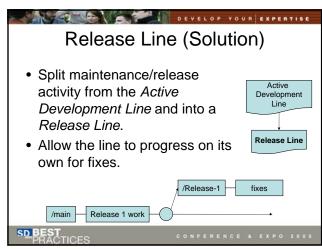




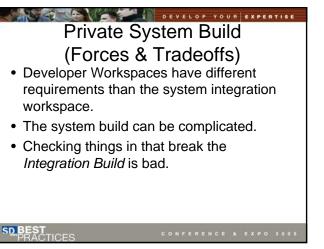


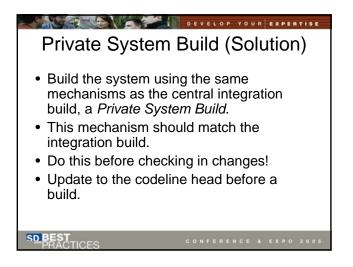


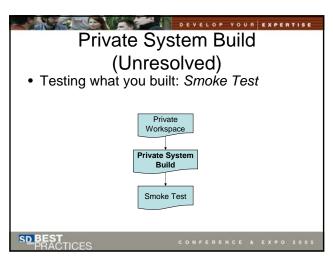






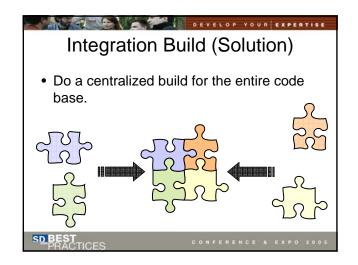


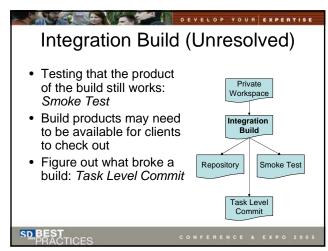














Task Level Commit (Forces & Tradeoffs) The smaller the task, the easier it is to roll back. A check-in requires some work. It is tempting to make many small changes per check-in. You may have an issue tracking system that identifies units of work.

