



Configuration Management

Summary

Today, commercial software developers, large and small alike, are increasingly faced with software configuration demands related to the development and management of multiple versions of their software products. This course provides participants with a firm understanding of the theories and principles of software configuration management. Topics include the role that configuration management plays in the software life cycle, software and documentation baseline identification, evolution and change control, branch management, status accounting, and configuration verification (audits). Participants are shown how to develop a configuration management plan.

The course is composed of lectures and class exercises with ample opportunity for participant questions and discussions. Much of the class time is devoted to exercises in which participants, typically working in small teams, practice the skills being taught.

Audience

This course is designed for (future) software configuration managers, software managers and project managers.

Criteria

Course candidates should have a background and some years experience in software engineering. The "Foundation" courses are highly recommended.

Duration

2 days (4 modules).

Remarks

None.



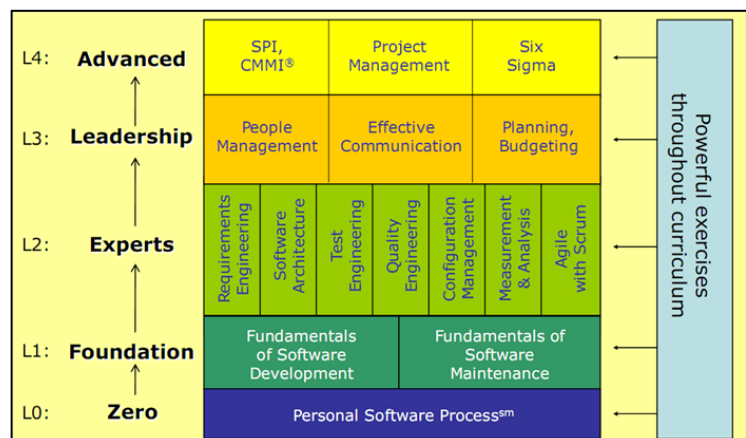
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Our Software Engineering Curriculum





Program

Module 1:

- What is Configuration Management?
 - o Introduction
 - o Typical problems
 - o Scope to manage
 - o Decomposition
- Configuration Identification
 - o Hierarchy
 - o Naming conventions and versioning schemes
 - o Baselines

Module 2:

- Configuration Control
 - o Introduction
 - o Change policy
 - o Controlled areas
 - o Traceability

Module 3:

- Branch Management
 - o Introduction
 - o Typical branches
 - o Strategies
- Configuration Status Accounting
 - o Introduction
 - o Planning
 - o Reporting

Module 4:

- Configuration Verification
 - o Functional audit
 - o Physical audit
 - o CM Review
- Configuration Releasing and Maintenance
 - o Releasing
 - o Maintenance

During the course, 1-2 challenging exercises in each module are used to demonstrate the discussed concepts and techniques. Example solutions to all course exercises are provided.

SE-CURE AG can also customize this course or any of our other standard courses to meet your exact in-house training needs and specifications. For example, class exercises can be tailored to include actual examples from your organization in order to make the training more relevant to your environment.



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