

# SOFTWARE CHANGE, CONFIGURATION AND RELEASE MANAGEMENT

Course number : 136

## Overview

Increase efficiency, and decrease maintenance time and development costs with this Software Control Management (SCM) training. In this course, you practice configuration activities — such as configuration planning, change control and management, system building, and version and release management — and learn how the application core processes of SCM contribute to the success of a software project.

## What you'll learn

- Implement and effectively lead SCM activities
- Match project needs to CM process capability
- Construct a CM plan for traditional and Agile projects
- Manage requests by specifying Configuration Control procedures

## Who should attend

## Pre-requis

- Familiarity with the software development life cycle

## Outline

### [Configuration and Release Management](#)

#### Analyzing business factors driving CM

- Determining causes of failure in project scenarios
- Positioning strong internal CM controls
- Controlling quality in the development life cycle
- Releasing stable configurations

#### Demystifying core CM processes

- Configuration Identification
- Version Management
- Configuration Control

- Change Management
- Configuration Status Accounting
- Reporting
- Configuration Audits
- Compliance
- Build and Release Management

## Identifying Configuration Items (CIs)

### **Deriving candidate items for the project**

- Extracting CIs from the product and the project
- Itemizing six steps to bring a work product under configuration management control

### **Categorizing and naming items**

- Devising an effective naming scheme
- Classifying items based on the nature of the project
- Aligning a CI into one of four categories

### **Baselining CIs**

- Defining baselining procedures and creating a checklist
- Declaring configuration or phase baselines
- Checking CIs into a repository

## Controlling Change

### **Determining roles and responsibilities**

- Establishing an infrastructure to manage project change
- Comparing change control from a traditional to an Agile perspective
- Specifying the role of the SCM team

### **Creating a change control process**

- Establishing change control procedures
- Facilitating change from requirements through maintenance

### **Distinguishing between defects and enhancements**

- Processing a change request
- Investigating defects and deciding corrective action
- Evaluating urgency
- Determining severity
- Prioritize

## Communicating Configuration Status

### **Planning the reporting requirements**

- Identifying reports required in each phase of CM
- Determining the communication needs of stakeholders
- Improving processing by using a configuration database

### **Matching reporting needs to development life cycle**

- Anticipating report types by role types
- Planning what to collect in order to report
- Adding CSA requirements to vendor contracts

## Auditing in Preparation for a Release

### **Designing Configuration Audits**

- Distinguishing between QA and SCM activities
- Clarifying types of SCM audits
- Timing audits throughout the development life cycle
- FCA and PCA checklists
- Baseline and release audits

### **Assessing release readiness**

- Ensuring the documentation matches the product
- Verifying product configuration

## Building and Releasing the Product

### **Ensuring consistency through the build process**

- Establishing independence by separating development from the build
- Managing unique code lines and versions
- Knowing why and when to branch and use variants

### **Specifying the product release process**

- Planning a release strategy
- Resources needed for a smooth release process
- Matching process steps to release types
- Positioning Quality Gates in the development life cycle
- Timing the release appropriately

## Schedule

**Location Dates Status**

## Tuition

**IN CLASSROOM OR ONLINE PRIVATE TEAM TRAINING**

**STANDARD \$3895**

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## FAQ

## Certification