

Configuration Management Essentials

(One day Workshop)

About the Course

Software is easy to change—too easy. And not only is it easy to change, but it is not constrained by the physical laws that serve as the guardrails of what is possible with hardware systems. Software is bounded only by the limits of the human imagination. Uncontrolled and undirected, imagination can give rise to nightmare. Software configuration management helps to limit this.

This one-day course is designed to plan and implement Configuration Management in the projects of an organization. The course commences with a brief introduction of the configuration management concepts (ice-breaker) before moving on to other relevant details.

The process of configuration management and change control are discussed in details, with stress on practical implementation of the concepts. The different approaches in configuration control, configuration reporting, configuration audit and automation aspects are also addressed.

Workshop objectives

- ❖ Learning the components of configuration management
- ❖ Understanding the configuration management process
- ❖ A clear understanding of the implementation of change control
- ❖ Learn the mechanisms involved in configuration management reporting and audits
- ❖ Understand the need and benefits of automation for configuration management

Workshop Contents

The one day workshop would cover the topics as noted below. There would be discussions and exercises at appropriate junction points to elaborate and understand the concepts.

Introduction

Configuration Management Foundation

Components of Configuration Management

- Configuration Identification
- Configuration Control
- Configuration Management System

Configuration Management Process

- Relationship with CMMI(R)-Dev and IEEE
- SCM Plan contents
- Organization and Project's SCM Process

Change Control Process

- Change Control using Change Request (CR)
- Change Control Board (CCB)
- Implementing Change Control

Configuration Management Reporting

Configuration Management Audit

Automation in Configuration Management

Closing