Global Horizon
TRAINING CENTER

Training Course:
Configuration Management

27 January - 7 February 2025
Cape Town (South Africa)
DoubleTree by Hilton Cape Town - Upper Eastside

Training Course:
Configuration Management

Introduction:

Configuration Management CM is the business process that helps the team to rapidly develop, package, and deliver quality software. It is much ahead of your competitors as it includes the management of all essential artifacts that are created during the software lifecycle. Right from the source code to documentation and test cases with a strong focus on the rapidly developing automated build, package as well as deployment processes which have the ability to handle the multiple variants of the same codebase.

Course Objectives:

- The course helps the learners to have depth knowledge about the features and functioning system of configuration management.

- They will learn how to establish and build up configure boundaries and boundary groups.

- The knowledge about the configure sites and tools to manage the platform will be taught.

- They will also learn how to configure the resource discovery, role-based administration, manager client agent.

- The learners will be able to create queries, configure data status message queries, generation of the report in analyzing data.

- The teachings of creating, manage and deploy applications including how to plan, deploy and manage applications.

- The configuration of wake on LAN, power management and remote control is also one of the objectives of the course.

- Methodology

- Planning

- Tools and Technology Issues

- Management of Configuration Management Projects

- ISO, US MIL, CMM - Guidelines

Target Audience :

course and the zeal to learn. There are many multi-national companies that are in the requirement of the configuration management training course learners and who have the ability to perform better in the field. The beginners can join the course as well without any worries but the more advantage can be attained by some of the people listed below:

- Software Developers

- Project Managers

- IT Managers

- Development Managers

- Architects

- STEM graduates and Freshers who are looking for a career.

- Systems engineers

- Configuration manager administrators

Target Competencies:

- The learners will be able to learn how to create, manage and deploy the applications.

- The complete understanding of the software deployment settings and configure packages and programs, distribute content to distribute points and deploy programs as well.

- They will be taught how to manage client settings and monitor client health.

- The learners will be able to grasp the skill to learn to configure collect both hardware and software inventory and how to manage the inventory collection.

- The skill of gaining practical knowledge as well as theoretical knowledge is included in the training course which includes tools to manage and configure sites.

Course Outline :

Day 1:

Defining Configuration Management

- A Practical Definition of Configuration Management

- Evolution of CM-Past, Present and Future Elements of CM

- Product Lifecycle Phases

- CM's Role in Program Management

Added Value of CM

- Purpose and Benefits of CM

- Objectives of CM

- Guidelines to Implement Successful CM

Day 2:

Configuration Identification

- The Hardware/Software Development Cycle

- Product Information - Defining the Functional, Performance and Physical Attributes.

- Allocation of Product Requirements

- Part and Documentation Numbering

- Engineering Release System-Recovery of Product Information

- Class Exercise: Developing a Product Structure-Decomposition of Product Configuration.

- Class Exercise: Different Numbering Systems - Document, Part, Serial and Lot Numbers.

Day 3:

Configuration Management Baselines

- Baseline Management - An Agreed-to Product Description

- How are CM Baselines Used?

- Types of CM Baselines

- Requirements Baseline

- Design Baseline

- Product Configuration Baseline

- Determination of Baselines - Where to Implement in the Product Lifecycle

- Class Exercise: Baseline Management - Demonstrate Product Maturity.

Day 4:

Interface Control

- Identification and Control of External Product Interfaces

- An Effective Interface Control Working Group

- ICWG/CCB Control of ICDⅡs

Day 5:

Configuration Change Management

- The Systematic Process for Changing Baselines

- Interchangeability is an Important Factor

- Purpose and Benefits of Change Management

- Change Management is Managing Baselines

- What does Change Management Require?

- What is the Process for Changes?

- The Role of the CCB -

- Who are the Members?

- What are Their Roles/Responsibilities

- Processing Major and Minor Changes

- What should the Process be?

- What does ⅡTotal ImpactⅡ mean?

- Variance to the Product Definition

- Class Exercise: CCB Operation-Roles and Responsibilities and Total Impact of Change.

- Class Exercise: Re identification - Hardware and Software Traceability.

Day 6:

Software Change Management

- The Software Difference

- Managing Software Libraries

- Software Change Process

Configuration Status Accounting - The Recording and Reporting Process

- An Information Data Base

- Status Accounting Data Flow

- Purpose and Benefits of SA

- Impact of Product Lifecycle of Reporting

- Types of Reporting/Reports

- Considerations for Status Accounting System

- Class Exercise: Product Configuration Data - Use of Various Types of Product Information

Day 7:

Configuration Verification and Audits

- Purpose and Benefits

- CM Verification - Does Design Achieve Required Attributes

- CM Audits - Functional/Physical Requirements

- Performance Verification

- Design Verification

- Internal and Formal Audits

- Class Exercise: Requirements Verification - the Requirements Verification Matrix

Day 8:

Configuration Management of Digital Data

- Principles for Data Integrity

- Establish Business Rules

- Apply Version Control

Day 9:

Configuration Management: Planning and Management

CM Application to Product Lifecycle
Tailoring CM Requirements
The CM Plan

- Core Elements of CM

- Level of Detail Required

- CM Plan vs. Operating Plan

- Key Program/CM Milestones

- Class Exercise: Configuration Management Plan - its Purpose and Contents

Day 10:

CM Training

- Training Plan for CM

- Roles and Responsibilities

Performance Measurement

- Methods of Assessment

- Metrics

Supplier CM

- Requirements Flow-down
- Audits

Registration form on the Training Course: Configuration Management

Training Course code: MA9317 From: 27 January - 7 February 2025 Venue: Cape Town (South Africa) - DoubleTree by Hilton Cape Town - Upper Eastside Training Course Fees: 9520 Euro

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