

Training Introduction to CMMI - Official SEI training



SII-415 4 Days (Hours)

Description

CMMI (Capacity Maturity Model Integration) is specifically adapted to the industrialization of software production. This model has proven itself. It makes it possible to significantly increase product quality while reducing costs and deadlines. But its implementation is demanding and involves a process of gradual progress.

This **Introduction to CMMI training** allows you to master the CMMI model in detail. You will also be able to participate as a team member in a SCAMPI assessment at the end of this CMMI training.

Who is this training for ?

For whom

This CMMI training is aimed at anyone involved in software development or maintenance.

Prerequisites

no

Training objectives

- Master the CMMI model in detail.
- Understand the benefits of improvement processes.
- Obtain the "Official SEI Introductory CMMI course" certificate.

Training program

Les concepts de l'amélioration de processus

- The CMMI product suite.
- The benefits of CMMI.

Parcours des composants du modèle CMMI

- The contents of the CMMI model.
- The components of a process domain.
- The glossary.

Les représentations du modèle et l'institutionnalisation (CMMI)

- Representations of the CMMI model.
- Understanding the levels.
- Institutionalization of processes.
- Apply generic practices.

Les représentations du modèle et l'institutionnalisation (CMMI)

- Representations of the CMMI model.
- Understanding the levels.
- Institutionalization of processes.
- Apply generic practices.

Le développement de produit (première partie)

- Managing needs and requirements.

La gestion de projet

- Project planning and monitoring.
- Risk management.
- Supplier management.

Le support des projets et de l'organisation

- Configuration management.
- Quality assurance of processes and products.
- Measurements and analysis.
- The decision-making.
- Analysis of causes and their resolutions.

Le développement de produit (seconde partie)

- Technical solutions.
- Product integration.
- Verification.
- Validation.

L'infrastructure d'amélioration

- Focus on organizational processes.
- Defining organizational processes.
- Integrated project management.
- Organizational innovation and its deployment.
- Training at the organizational level.

La gestion quantitative

- The performance of organizational processes.
- Quantitative project management.

Le support des environnements complexes

- The concepts of integrated product and process development.
- The definition of organizational processes and integrated development.
- Integrated project management and integrated development.

La vision d'ensemble

- Relationships between process domains.
- Relationships between process domains and generic practices.
- Use both representations.
- The notion of equivalence between representations.
- Start process improvement.