

Introduction to Common Criteria for Developers

Duration:

2 days

Audience:

This course is aimed at software development team members who will be involved in a Common Criteria evaluation.

Prerequisites:

Basic knowledge of software development life cycle

Course Goals:

After completing this course, the trainee will have the knowledge and skills to:

- Understand and use the CC Parts 1, 2, 3, the CEM, and additional CCEVS guidance
- Understand his or her responsibilities in an evaluation process
- Contribute to evaluation projects as a member of the evidence development team
- Contribute to authoring a Security Target and provide other evaluation evidence

Course Outline:

- Knowledge of CC history
 - Knowledge of international CC organizations
- General knowledge of the overall CC standard structure
 - Knowledge of the functional assurance paradigm
 - Knowledge of how functional components cover functional requirements
 - Knowledge of Evaluation Assurance Levels
- Ability to understand security functional components as described in CC Part 2
 - Knowledge of the functional requirements paradigm
 - Knowledge of SFR class structure
 - Ability to describe the purpose of each SFR class
 - Knowledge of SFR family structure
 - Ability to describe the purpose of each SFR family
 - Ability to navigate component hierarchy

- Ability to trace Management requirements
- Ability to trace Audit requirements
- Knowledge of SFR component structure
 - Ability to describe purpose of each SFR component
 - Ability to describe purpose of each SFR element
 - Ability to trace Dependencies
- Knowledge of component operations
- Knowledge of CC evaluation process
 - Understand the assurance concept
 - Understand the information flow
 - Understand the general certification process
- Ability to apply security assurance components as described in CC Part 3
 - Knowledge of the functional assurance paradigm
 - Knowledge of SAR class structure
 - Ability to describe the purpose and application of each SAR class
 - Knowledge of SAR family structure
 - Ability to describe the purpose of each SAR family
 - Ability to navigate component hierarchy
 - Knowledge of SAR component structure
 - Ability to describe purpose & application of each SAR component
 - Ability to trace Dependencies
 - Ability to identify and describe application of assurance elements
 - Knowledge of Evaluation Assurance Levels
 - Ability to describe the application of an EAL
 - Ability to differentiate the EALs