

Software Integration Foundation

Group Training

Training code	CGASOINFCE
Spoken Language	English
Language Materials	English
Dayparts	4
Price	€1.500,00 excl. VAT No extra costs.

What is Software Integration Foundation

Have you ever been curious about how your devices exchange data with other systems? Or how applications like Microsoft Teams and Microsoft Outlook work together so effortlessly? These kinds of interactions are possible with so-called “software integrations”. In this Software Integration Foundation training, we will explore and explain the basic but fundamental principles, methods, patterns, and technologies involved in integrating software.

First, we will cover the introduction to software integration, basic terminology, and we will answer the question “What is an API?”. Furthermore, we will elaborate on how computers communicate with each other and explain several architectural choices. Also, we will discuss fundamental challenges and a couple of integration technologies.

Next, we will get more technical and practical. We will cover performance, availability, and scalability of software integrations. Also, some key challenges regarding the communication between computers. Then we will shed a light on Test Driven Development as well as security and several API protocols.

Who should attend Software Integration Foundation

This training is suitable for:

- Starters and graduates;
- Young Professionals;
- Software Developers and Software Engineers with interest in integrations;
- IT/Project Managers;
- System Architects;
- Software Integration enthusiasts.

Prerequisites

Install an application to trigger API's beforehand, e.g., Postman, Insomnia, SoapUI, etc. We recommend



Postman.

Basic understanding of software development concepts and familiarity with business processes is useful, but certainly not needed.

Objectives

After this training you will be able to:

- Define key terms and concepts related to software integration;
- Analyze the impact of software integration on business processes and outcomes;
- Identify different integration patterns and their use cases;
- Evaluate the performance and scalability of integrated systems;
- Recognize common integration challenges;
- Apply best practices for secure and reliable software integration;
- Practical experience with triggering public API's.

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