EXIN
Agile Scrum

FOUNDATION

Certified by

EXIN

Preparation Guide

Edition 202402

Content

1. Overview

EXIN Agile Scrum Foundation (ASF.EN)

Scope

The EXIN Agile Scrum Foundation certification confirms that the professional understands Agile principles and Scrum concepts, and can recognize how they are applied in the work environment.
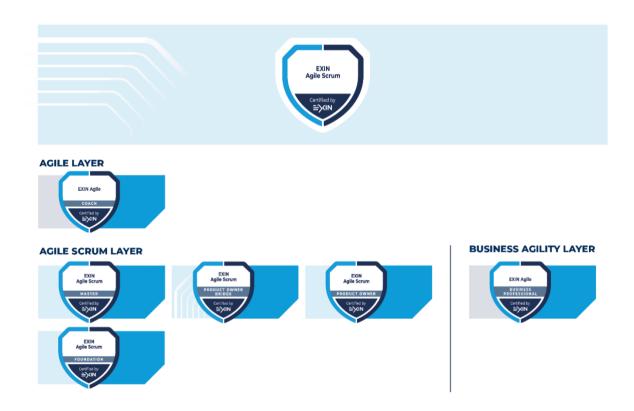
This certification includes the following topics:
- Agile way of thinking
- Scrum practices
- Scrum planning and estimation
- monitoring Scrum projects
- advanced Scrum concepts

Summary

EXIN Agile Scrum Foundation tests a candidate's knowledge of Agile principles and the Scrum framework. Agile and Scrum are about working together to successfully reach the goal. Agile principles are popular in software development and are increasingly being used in other areas. The Scrum framework includes establishing cross-functional and self-managing teams, producing a working increment of software at the end of each iteration or sprint.

Context

The EXIN Agile Scrum Foundation certification is part of the EXIN Agile Scrum qualification program.

Target group

EXIN Agile Scrum Foundation is suitable for all professionals looking to keep their knowledge up to date with the latest developments in the fields of IT and project management, particularly those leading or participating in projects. In particular, this certification is suitable for professionals working in the areas of: project management, software development, IT service management, and business management. EXIN Agile Scrum Foundation is highly recommended before starting a Scrum project.

Requirements for certification

- Successful completion of the EXIN Agile Scrum Foundation exam.

Examination details

Examination type: Multiple-choice questions
Number of questions: 40
Pass mark: 65% (26/40 questions)
Open book: No
Notes: No
Electronic equipment/aides permitted: No
Exam duration: 60 minutes

The Rules and Regulations for EXIN's examinations apply to this exam.

Bloom level

The EXIN Agile Scrum Foundation certification tests candidates at Bloom levels 1 and 2 according to Bloom's revised taxonomy:
- Bloom level 1: Remembering – relies on recall of information. Candidates will need to absorb, remember, recognize and recall.
- Bloom level 2: Understanding – a step beyond remembering. Understanding shows that candidates comprehend what is presented and can evaluate how the learning material may be applied in their own environment. This type of questions aims to demonstrate that the candidate is able to organize, compare, interpret and choose the correct description of facts and ideas.

Training

Contact hours

The recommended number of contact hours for this training course is 14. This includes group assignments, exam preparation and short breaks. This number of hours does not include lunch breaks, homework and the exam.

Indication study effort

56 hours (2 ECTS), depending on existing knowledge.

Training organization

You can find a list of our Accredited Training Organizations at www.exin.com.

2. Exam requirements

The exam requirements are specified in the exam specifications. The following table lists the topics of the module (exam requirements) and the subtopics (exam specifications).

Exam requirements	Exam specifications	Weight
1. Agile way of thinking		**10%**
	1.1 Concepts of Agile and Scrum	10%
2. Scrum practices		**55%**
	2.1 Scrum roles	20%
	2.2 Scrum events	15%
	2.3 The importance of the backlog	12.5%
	2.4 Working toward goals	7.5%
3. Scrum planning and estimation		**17.5%**
	3.1 Scrum planning	7.5%
	3.2 Scrum estimation	10%
4. Monitoring Scrum projects		**10%**
	4.1 Scrum monitoring	10%
5. Advanced Scrum concepts		**7.5%**
	5.1 Scrum in different situations	7.5%
	Total	**100%**

Exam specifications

1   Agile way of thinking
  1.1   Concepts of Agile and Scrum
        The candidate can…
        1.1.1   explain the Agile way of thinking.
        1.1.2   recognize how Agile brings predictability and flexibility.
        1.1.3   describe the content of the Agile Manifesto.
        1.1.4   recognize Agile methods and practices other than Scrum.

2   Scrum practices
  2.1   Scrum roles
        The candidate can…
        2.1.1   explain the role of the Product Owner.
        2.1.2   explain the role of the Scrum Master.
        2.1.3   explain the role of the Developers.
        2.1.4   explain that the traditional project manager role does not exist in Scrum.
  2.2   Scrum events
        The candidate can…
        2.2.1   explain the characteristics of timeboxed events.
        2.2.2   explain the characteristics of sprints.
        2.2.3   explain the characteristics of the daily scrum.
        2.2.4   explain the characteristics of the sprint review and the sprint retrospective.
  2.3   The importance of the backlog
        The candidate can…
        2.3.1   explain the characteristics of a product backlog and sprint backlog.
        2.3.2   recognize good user stories and backlog items.
        2.3.3   explain how to refine the product backlog items.
        2.3.4   understand how backlog items are ordered.
  2.4   Working toward goals
        The candidate can…
        2.4.1   explain the characteristics of a product goal.
        2.4.2   explain the characteristics of a sprint goal.
        2.4.3   explain the characteristics of a definition of done (DoD).

3   Scrum planning and estimation
  3.1   Scrum planning
        The candidate can…
        3.1.1   explain the characteristics of the sprint planning.
        3.1.2   understand how to determine the duration of a sprint.
  3.2   Scrum estimation
        The candidate can…
        3.2.1   explain estimation techniques: planning poker, triangulation and affinity
                  estimation.
        3.2.2   understand how to estimate using ideal days, ideal hours or story points.
        3.2.3   understand how to estimate the velocity of the team.

4   Monitoring Scrum projects
  4.1   Scrum monitoring
        The candidate can…
        4.1.1   understand the concept and value of information radiators.
        4.1.2   understand Kanban boards.
        4.1.3   understand the different ways to visualize the work done.

5   Advanced Scrum concepts

5.1   Scrum in different situations
The candidate can…

5.1.1   recognize how to scale Scrum in large, complex projects.

5.1.2   recognize how to apply Scrum with virtual teams.

5.1.3   understand different types of contracts in Scrum.

3. List of basic concepts

This chapter contains the terms and abbreviations with which candidates should be familiar.

Please note that knowledge of these terms alone does not suffice for the exam. The candidate must understand the concepts and be able to provide examples.

accountability[1]	planning
affinity estimation	planning poker
Agile Manifesto	priority
burn-down chart	product backlog (item)
burn-up chart	product goal
bus factor	Product Owner
coach	refactoring
collocated team	report
commitment	responsibility[2]
communication	scaling
continuous integration	Scrum
Crystal	Scrum Master
customer	Scrum team
daily scrum	splitting teams
definition of done (DoD)	sprint
Developers	sprint backlog (item)
DSDM	sprint goal
escaped defect	sprint planning
estimation	sprint retrospective
extreme programming (XP)	sprint review
ideal days	story point
ideal hours	test-driven development
increment	timebox/timeboxing
information radiator	triangulation
Kanban	user story
MoSCoW	velocity
niko-niko calendar	virtual team
osmotic communication	Waterfall
pair programming	work-in-progress (WIP)

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[1] The Scrum Guide makes a distinction between accountability and responsibility. Accountability means 'making sure something happens'. A person who is accountable may delegate the task.
[2] The Scrum Guide makes a distinction between accountability and responsibility. Responsibility means 'doing a certain task'. A person who is responsible executes the task as part of their work.

4. Literature

Exam literature

The knowledge required for the exam is covered in the following literature:

    A. Nader K. Rad & Frank Turley
          Agile Scrum Handbook
          Van Haren Publishing (3rd edition, 2021)
          ISBN: 9789401807593 (hard copy)
          ISBN: 9789401807609 (eBook)
          ISBN: 9789401807616 (ePub)

    B. Ken Schwaber & Jeff Sutherland
          The Scrum Guide (2020)

Literature matrix

Exam requirements	Exam specifications	Reference
1. Agile way of thinking		
	1.1 Concepts of Agile and Scrum	A: Chapters 1, 2.4, 3, 4, 5, 7 B: Scrum Definition B: Scrum Theory B: Scrum Values
2. Scrum practices		
	2.1 Scrum roles	A: Chapters 2.1, 2.2, 2.3.1 B: Scrum Team
	2.2 Scrum events	A: Chapters 1.1.2, 2.3.2 B: Scrum Events
	2.3 The importance of the backlog	A: Chapters 2.3.1.2, 2.3.3, 4.3 B: Scrum Artifacts
	2.4 Working toward goals	A: Chapters 2.3.3.1, 2.3.3.2, 2.3.3.3 B: Scrum Artifacts
3. Scrum planning and estimation		
	3.1 Scrum planning	A: Chapters 1.1.2, 2.3.2, 2.3.3, 4.6, 5 B: Scrum Events B: Scrum Artifacts
	3.2 Scrum estimation	A: Chapters 2.3.3, 4.3, 4.4
4. Monitoring Scrum projects		
	4.1 Scrum monitoring	A: Chapters 2.3.3, 3.5, 6 B: Scrum Events
5. Advanced Scrum concepts		
	5.1 Scrum in different situations	A: Chapters 2.4, 3.3, 5.6

Contact EXIN

www.exin.com