

➤ The iSAQB® promotes international standards in software architecture

The International Software Architecture Qualification Board (iSAQB®) is an association of international domain experts. The non-profit organization develops technological standards and certifications in the field of software architecture.

As holder of the international certification system Certified Professional for Software Architecture (CPSA®), the iSAQB® itself does not conduct any trainings or examinations. However, it sets training and examination regulations and accredits training organizations and independent certification bodies.

➤ CPSA® – Internationally recognized training program of the iSAQB®

The program is aimed at everyone who works on solution structures in IT projects: primarily software architects, developers and quality assurance specialists, but also system analysts who want to communicate better with their developers.

More than 30,000 CPSA® certified individuals worldwide have successfully completed at least one of the two CPSA® levels – Foundation Level (CPSA-F®) and Advanced Level (CPSA-A®). An Expert Level (CPSA-E®) will soon be available as a further and highest certification level.



THE CPSA® PROGRAM AT A GLANCE



- Internationally recognized training
- Independent curricula, examinations and certificates
- Constantly updated training content
- Highest training quality

International Software Architecture Qualification Board

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State: 08/2023



Dedicated to the Advancement of Software Architects

iSAQB® Certified Professional for Software Architecture (CPSA®) program

Internationally recognized training for software architecture



➤ **The CPSA® Foundation Level for a profound and pragmatic introduction to software architecture**

The CPSA® Foundation Level conveys the ability in a team to design and document an appropriate software architecture, to assure and evaluate quality and to know the necessary tools, for properly described requirements and systems up to a medium size.

CONTENTS OF THE FOUNDATION LEVEL

- Concept and meaning of software architecture.
- Tasks and responsibilities of software architects and their role in projects.
- State-of-the-art methods and techniques for the development of software architectures.

SKILLS THAT A TRAINING AT FOUNDATION LEVEL PROVIDES

- Being able to successfully coordinate essential decisions for a software architecture with other project participants from the fields of requirements management, project management, testing, and development.
- The ability to document and communicate software architectures based on architecture patterns and technical concepts.
- Being able to understand essential steps in the design of software architectures and to carry them out independently for small and medium-sized systems.



➤ **The CPSA® Advanced Level offers practical knowledge in 16 modules and 3 areas of competence**

The CPSA® Advanced Level, the next iSAQB® certification level after the CPSA® Foundation Level, consistently continues the qualification of professionals for software architecture.

The iSAQB® offers a modular training program for this purpose, which conveys and tests extensive skills and knowledge.

Certification in the CPSA-A® requires a great deal of time and effort and places high demands on the expertise and experience of candidates. Software architects who have earned CPSA-A® certification are able to:

- independently and methodically design medium to large IT systems,
- assume technical and content-related responsibility in business-critical IT systems,
- conceive, design and document measures to achieve non-functional requirements,
- support development teams in the implementation of these measures,
- manage and execute architecture-relevant communication in medium to large development teams.

REQUIREMENTS FOR A CPSA-A® EXAMINATION

The prerequisite for a CPSA-A® exam is successful certification at Foundation Level and at least three years of full-time professional experience in the IT industry.

The cooperation in the design and implementation of at least two different systems must be proven.

The iSAQB® also recognizes working in medium or large open source projects as professional experience. Finally, at least seventy credit points must be proven, which participants receive by attending accredited

Advanced Level trainings. At least ten credit points must be earned in each of the three existing areas of competence — technology, methodology and communication.

AREAS OF COMPETENCE AT ADVANCED LEVEL

- **Methodical competence** – trains systematic approach, independent of specific technologies
- **Technical competence** – promotes knowledge and application of specific technologies to solve design and architectural tasks
- **Communicative competence** – trains the cooperation with different stakeholders, such as communication, presentation, conflict resolution, reasoning or moderation

➤ **Structure of the CPSA® program**

