



Advanced Level

Practical knowledge in 16 modules and 3 areas of competence



Taking on the role of a software architect is an increasingly important task that requires profound training. The iSAQB® Certified Professional for Software Architecture (CPSA®) program offers you a globally recognized, standardized education and advanced training scheme in three levels: While the Foundation Level teaches the basics, the Advanced Level is aimed at interested parties with advanced knowledge. The Expert Level is currently still being planned.

The Advanced Level consistently continues the qualification of professionals for software architecture. Thematically, the CPSA-A® training contains everything you need to know as a specialist. The modules deal with tasks, methods and techniques for the development of contemporary IT architectures. Get to know all aspects that are essential for software architectures. In addition to technological factors, organizational and social factors also play an important role.

HOW DOES CERTIFICATION AFFECT YOUR CAREER?

The trainings offer professional tools to implement software architectures and to optimally design modern systems. The certification is a seal of approval for your employer as well as your customers, and supports you in your personal development.




Skills that a training at Advanced Level provides:




- To design medium to large IT systems independently and methodically valid,
- 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, and
- manage and execute architecture-relevant communication in medium to large development teams.

ACQUIRING COMPETENCE IN THE ADVANCED LEVEL PROGRAM – CURRICULUM MODULES

The advanced training program deepens your knowledge in the competence areas of methodology, technology and communication. In various modules, you can collect the necessary credit points for the Certified Professional for Software Architecture Advanced Level (CPSA-A®) examination. Certification at Advanced Level requires the previous completion of the Foundation Level. Even for software architects who are not seeking certification, all Advanced modules are of great value for their daily work.

The iSAQB® has defined the following three areas of competence for CPSA-A® education and training:

-  **Methodical competence:** Systematic approach to architectural tasks, independent of technologies
-  **Technical competence:** Knowledge and application of technologies to solve design tasks
-  **Communicative competence:** Skills for productive cooperation with different stakeholders, communication

				
ADOK	Architecture Documentation Documentation and communication of software architectures	●		
AGILA	Agile Software Architecture Effective architecture work in agile teams and projects	●		●
AWERT	Architecture Evaluation Evaluating whether an architecture meets the expectations	●		
BLOCKCHAIN	Consensus Building Application of block chain technologies in decentralized, hardly trustworthy systems	●	●	
CLOUDINFRA	Infrastructure, Container and Cloud Design and implementation of adaptable infrastructures for the cloud	●	●	
DDD	Domain Driven Design Designing a functional architecture in collaboration with functional experts and developers	●		
EAM	Enterprise Architecture Management Solutions for keeping IT systems and applications consistent	●		
EMBEDDED	Safety Critical Embedded Systems Design of embedded systems that have a direct impact on their environment	●	●	
FLEX	Flexible Architecture Models Design of particularly flexible architectures	●	●	
FUNAR	Functional Software Architecture Software architecture with functions, unchangeable data, combinators	●	●	
IMPROVE	Evolution and Improvement of Software Architectures Systematic improvement of software systems (economical and technical goals)	●	●	
REQ4ARC	Requirements for Software Architects Equipping architects and development teams with sufficient requirements engineering know-how based on actual stakeholder needs	●		●
SOA-T	Service-oriented Architecture – Technical Design of service-oriented architectures	●	●	
SOFT	Soft Skills for Architects Communication to find and present architecture			●
SWAM	Mobile Architectures Design of architectures for mobile devices	●	●	
WEB	Web Architectures Design of powerful and secure web-based systems			●

FIND THE RIGHT TRAINING