

ParkCheck Architecture



ParkCheck Architecture provides insight whether your system or software architecture is suitable to support your business goals, and provides specific improvement opportunities.

System- and software-architecture encompasses fundamental design decisions that determine your ability to succeed at the market. To minimize risk, your architecture must be suitable to meet business requirements and customer needs. With the help of ParkCheck Architecture workshops, you gain a deep understanding of architecturally significant requirements, how they are addressed by the architecture, and the related risks and improvement opportunities. It provides you the independent perspective of an external analysis team.

ParkCheck Architecture encompasses the following workshop formats:

- **Launch Workshop**

This one-day workshop sets you on the right track for effective architectural analysis. The workshop participants will know the relevant architecture analysis methods, reach a common understanding on the analysis goals, and know which methods fit best to achieve the analysis goals. At the end of the workshop, you have a tailored approach to efficient and effective architecture analysis that will help you build better and more successful products.

- **Scenario-Based Architecture Analysis**

Whether your architecture is suitable or contains unacceptable risks can only be answered with regard to business goals and quality requirements. Scenario-Based Architecture Analysis involves stakeholders and architects to answer how well the architecture supports the business goals. Stakeholders reach a common view on business goals, the specific quality requirements derived from these goals, and how these requirements are addressed by architectural solution concepts.

You will know which solution approaches involve risks, and which solution approaches are well suited. The analysis team will provide specific suggestions for architectural improvements.

The analysis starts with a workshop where we reach a common understanding of quality goals and requirements and perform a preliminary analysis of the architectural approaches. This workshop is followed by an in-depth analysis by the Method Park by UL Solutions team, closely collaborating with your architecture team. The analysis is concluded with a workshop where the analysis team presents their results and discusses improvement measures with your team. The analysis results are provided as a detailed analysis report.

- **Architecture Methodology Checkup**

Do you want to make sure you can deliver high-quality products successfully and repeatedly? A systematic, methodically sound approach to architecture design is key! In this workshop, we analyze key process areas such as architecture documentation and communication, architectural decision making, analysis of architecturally significant requirements, and technical debt management. At the end of the workshop, you understand both strengths and improvement opportunities in your architecture methodology.

- **Architecture Documentation Checkup**

Architecture documentation is crucial to achieve alignment of development teams, yet often neglected due to time pressure in development projects. Experts from Method Park by UL Solutions analyze your architecture documentation and provide specific recommendations how to achieve well-structured, understandable, and maintainable architecture documentation that is effective and efficient.

- **Quality Scenario Workshop**

Are you in the early stages of product development, and you lack specific quality goals and requirements to guide your architecture design? This one-day workshop brings together stakeholders to elicit and specify quality requirements that are suitable input to the architecture design.

Value proposition

- You know risks of your current architecture and have identified improvement opportunities.
- You understand how well your architecture is suited to support your business goals.

Choose ParkCheck Architecture if

- You want to reduce risk by making sure that the architecture supports the required quality characteristics (e.g., safety, security, fast delivery of new functionality).
- You develop a new product and need assurance that your architecture is a solid foundation for further development.
- Your product development is well underway and there are concerns whether the architecture is suitable to carry further development.
- Requirements have changed significantly, and the architecture needs to be re-evaluated whether and how it needs to change.

Specific takeaways

- Common understanding of quality requirements and how they are addressed by solution concepts in the architecture
- Identification of technical risks
- Understanding where a trade-off between competing requirements is needed
- Backlog of improvement opportunities

Target audience

- Product managers
- Project managers
- System architects
- Software architects
- Systems engineers
- Software developers
- Requirements engineers

Why choose Method Park by UL Solutions?

Method Park by UL Solutions specializes in software and systems engineering for complex, innovative products. Our portfolio includes process-based product engineering, high quality software development, training and consulting services focused on the safety-critical aspects of automotive, medical and other regulated industries.

All ParkChecks are executed by active practitioners who have extensive and up-to-date experience from day-to-day business as well as long-time training and coaching skills.

For more information, visit methodpark.com.