# Architectural Snapshot

adesso

## description_

Why do you see a doctor? Either you have pain, you don't feel well, someone close to you tells you that you must go, or you feel it's time for a regular checkup... Architectural Snapshot is your doctor when it comes to the health of your IT systems. It is a comprehensive consulting service that deals with your existing and future systems through the lenses of performance, robustness, scalability, improvability, and user-friendliness. In short, it is an early diagnosis and prevention of negative changes in your IT systems, whose analyses stem from the technology radar composed by global adesso experts.

### Service Metrics

Effort : 10-20 Person/Day

Duration : 2-4 Weeks

Team structure : 1-3 Architects

**Platforms**

.NET  JAVA  iOS  Android

React  Angular  Vue  CI/CD  Cloud

## motivations_

- Unsustainable or out-of-date systems and applications due to ever-changing business requirements.
- Lack of an "outside eye," thus lack of knowledge on the "outside world" of technology. Corporate blindness in the work done.
- Lacking a team with enough experience and resources, thus lack of confidence in the team's capabilities.
- Need for an independent and impartial advisor.

## prerequisites_

- Customer should be the legal owner of the source code base.
- SPOCs should inform the adesso team on the applications within the company's architectural landscape.
- adesso should have complete and independent access to the source code.
- Stakeholders should explain the main purpose behind their requests.

## deliverables_

An expert architectural assessment report with findings and recommendations that will evaluate your architecture from the following perspectives:

- Technology stack: An analysis of the technology stack used, such as programming languages, frameworks, and libraries.

- Architecture components: An examination of the architecture components, such as modules, layers, and services.
- Source code: An analysis of the quality, maintainability, and scalability of the source code, including coding standards, documentation, testing, and version control.
- Infrastructure: An assessment of the infrastructure that supports the system, such as servers, databases, storage, and virtualization
- Application data: An assessment of the data that the system uses, such as databases, data warehouses, and data lakes.

The side benefits of the snapshot would be the acceleration of developer onboarding and orientation, opportunities for improving the development toolchain, cost and resource reduction in development and testing, guidance for future readiness in architectural design, and better user experience through stability and robustness.

## references_

- AkÖde Tosla (Akbank)
- UPT
- ING Bank
- AgeSA
- Mercedes-Benz

- Allianz
- Swisscom
- Defacto
- Philip Morris International