



IT Architecture

DNV IT Global Services - Centres of Excellence

IT architecture is a key concern for any organisation. IT architecture gives you an overview of your current IT landscape of systems and services and it also helps you with a managed transition towards a more streamlined, efficient and maintainable landscape. A landscape that optimally supports your ambitions, business processes, end-users, business-partners – and most importantly – your customers. We help you set-up, assess and improve your IT architecture processes and products using internationally recognised standards and our broad experience.

Our IT Architecture services are all related to introducing a mature architectural process in your organisation. This involves:

- getting an overview of your IT landscape in the context of its use and operation;
- establishing a direction for the evolution of the landscape (or a particular system) based on your goals and ambitions and market trends and standards;
- assessing architecture plans for quality and suitability;
- translating the direction into specific documents, guidelines and standards to be used in projects and change programs;
- managing and monitoring architectural conformance in development tracks (e.g. portfolio management);
- training people to understand what working with architecture means

We use official and de-facto standards (e.g. IEEE14971, TOGAF, DYA, ATAM, CBAM) but apply them in a way that fits your situation and needs.

An overview of your IT landscape

Architecture is about overview of and insight to your IT landscape. Any significant change to your IT systems and services has significant impact on those systems and services. Therefore you require a good, coherent overview of the current landscape so that this impact can be understood. What are the key systems and interfaces? How are they used in your business processes? How do they interface with your customers and business partners? Based on this understanding you can start making plans for the future.

Our Services

- We create an overview “photo album” of your IT landscape in the context of its use and operation.
- The overview consists of intuitive visualisations and understandable supporting text.
- It is based on existing material and interviews with your experts
- It focuses on aspects that are relevant for your situation and questions.

Your Benefit

- You have a compact, understandable document describing the essence of your IT landscape.
- It provides insight to all relevant stakeholders, including non-IT management.
- It allows you to make well-founded decisions about the future of the landscape
- It is the basis for explaining the necessary change-programs and their impact.

Planning the future

Business goals dictate the ambition and constraints of your IT effort. Optimising the working of your IT landscape (or even creating the landscape) requires a vision based on these goals and constraints. Given your ambitions and current situation we work with you to develop plausible scenarios for the future. After identifying the right direction, we develop a roadmap to reach the goals.

Our Services

- We help you define your vision of the future state of your IT landscape, including the business case and business impact of changes
- Together with you we define and monitor the project(s) needed to realise this vision
- We help you select the right products and the right vendors
- We help you monitor the progress of the projects and the resulting landscape
- We train and coach your people in fulfilling the architect role within your organisation.

Your Benefit

- You get control over the direction of your IT landscape and over the vendors you employ
- You have control over your IT project portfolio
- You understand and can explain where, why and when changes will happen

Improving architecture maturity

Working with Enterprise architecture helps you steer your IT efforts. We help you improve maturity and effectiveness of your architecture department, processes and people. Together with you we define standards and guidelines, implement governance processes, and educate and coach your teams to enhance the enterprise architecture function.

Our Services

- Determining your current ways of working and identifying areas for improvement
- Improving architecture documentation using the IEEE1471 standard
- Defining the right architecture process for your situation.
- Coaching and training your IT architects to become more effective

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For further information please contact your local DNV IT Global Services office

Your Benefit

- Your IT architecture department is more effective and can thereby deliver on the promises of working with IT Architecture like lower costs, shorter time to market and reuse of software assets.
- Agreement on the role of architects in IT projects so that the goals of the architecture are achieved
- We identify standards and guidelines that are applicable over multiple projects which leads to re-use and cost effective IT.

Architecture assessments

You may have plans to change your IT landscape, to create a major new system or perhaps even a family of systems. Given the potential impact of this effort, you want your decisions validated by an independent and impartial party. Using proven methods like ATAM and SAAM we identify potential risks and provide advice on remedial measures that can be taken.

Our Services

- Via standardised processes (e.g. ATAM) we assess the quality of your (or your vendors) architectural design.
- We provide you with an independent judgement of the plans – either on specific areas or in totality.

Your Benefit

- An independent, in-depth review of your plans increases your trust and confidence in the architectural plans.

Key benefits

- You gain control of your current and future IT landscape and project portfolio and you can therefore control costs
- Business and IT have a common understanding of the direction in which the IT landscape will evolve and no investment is wasted on divergent projects
- You have a framework for selecting and managing products and vendors.

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