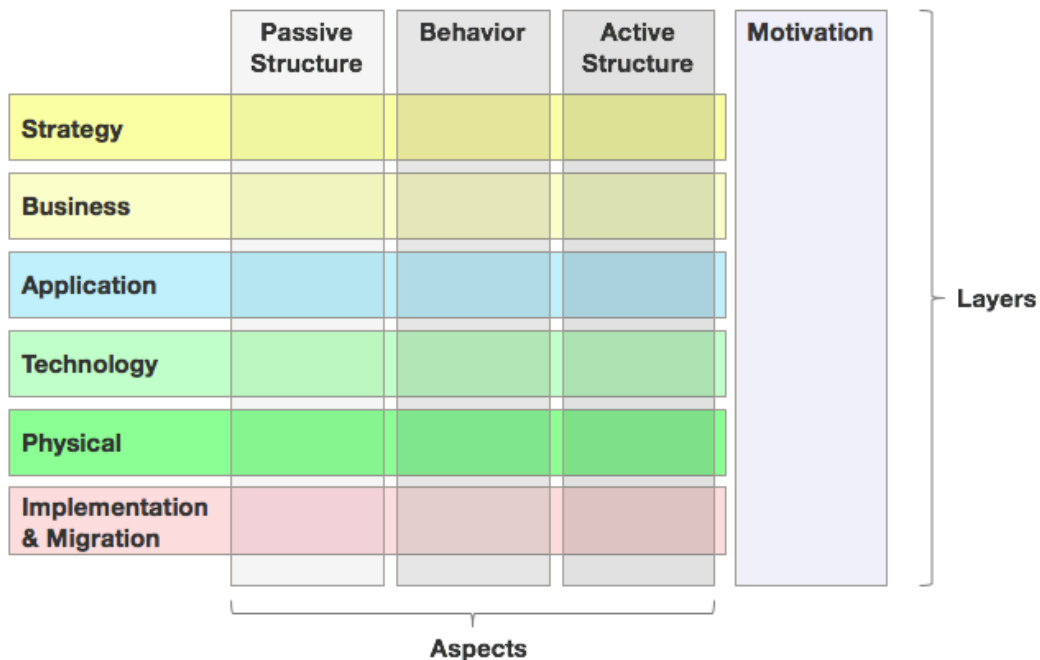


ArchiMate® 3 quick start guide

The international graphic language for modeling enterprise architectures



THE UNIT.
COMPANY

ArchiMate® 3 quick start guide

This quick start guide gives you answers to the question: What are the benefits of ArchiMate? How can you combine ArchiMate® with TOGAF®? What does our ArchiMate® training look like? And much more...

Architecture is about communication. As the IT landscape of organizations becomes more and more complex and innovations and changes follow each other faster, it is important to create a joint picture of how IT is organized. To do this properly, a shared visualization language is needed and clear agreements about how we use this language.

About the ArchiMate® standard

The ArchiMate® standard is the international graphic language for modeling enterprise architectures. This visualization language offers a uniform and integral way to describe, analyze and visualize architectures. It differs from other modeling languages such as UML or BPMN in that it is more conceptual and less focused on the details. This makes it possible to provide insight into the structure and coherence of business processes, organizational structures, information flows, and technical infrastructure.



Why ArchiMate®?

The advantage of the ArchiMate® standard is that it is a standardized language, or anyone who knows and uses the language can read it. We call visualizing with the ArchiMate® standard modeling. The ArchiMate® standard makes it possible to model both the business side (processes, services, people who carry out the business activities), but also the technology, or the applications and infrastructure. With the latest version of the ArchiMate® standard, it is even possible to also model production companies and logistics flows.

What is strong about the ArchiMate® standard is that you can not only show the structure and coherence, but it also shows how information goes through a process, or how a process stores information in applications. In short, with the ArchiMate® standard you can visualize all forms of dynamic behavior.

- The ArchiMate® standard is about architecture, and it gives direction to the design.
- The ArchiMate® standard can help in a transformation (architecture change), to motivate the need for change, but also the substantive change itself.
- The ArchiMate® standard is about cohesion, information flow or the dynamic behavior of an architecture.

The 10 advantages of the ArchiMate® standard

The use of the ArchiMate® standard visualization in your organization has many advantages, both for business and IT.

1. The ArchiMate® standard bridges the gap between business strategy and IT implementation
2. The ArchiMate® standard provides a clear approach
3. The ArchiMate® standard ensures a uniform language so that you identify cases in the same way
4. The ArchiMate® standard ensures governance
5. The ArchiMate® standard supports the generation of sales and cost reduction by enabling faster, smarter projects
6. The ArchiMate® standard offers transparency for business stakeholders
7. The ArchiMate® standard ensures alignment of IT budget and business strategy and objectives
8. The ArchiMate® standard encourages smart reuse of existing processes, applications and infrastructure
9. The ArchiMate® standard ensures sustainable business agility
10. The ArchiMate® standard facilitates a pragmatic approach for IT projects

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Contents of the ArchiMate® standard

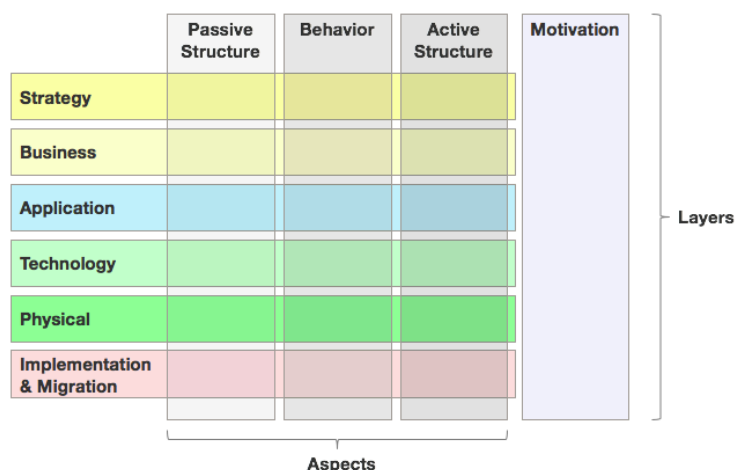
The ArchiMate® standard consists of three main layers: the Business, Application and Technology layers and various elements to model the strategy and motivation that underlie an architecture, as well as its implementation and migration.

The layers of the ArchiMate® standard:

1. **Strategy:** is the engagement approach: how am I going to tackle this and what people and resources are needed to bring about change?
2. **Business:** shows the business services that are offered to customers. These are realized in the organization through business processes that are performed by business actors.
3. **Application:** displays the application services that support the company and the applications that they implement.
4. **Technology:** shows the technological services such as processing, storage, and communication services that are required for the applications. This also includes the computer and communication hardware and system software that realizes these services.
5. **Physical:** physical elements can be added to the technology layer for modeling of physical equipment, materials and distribution networks.
6. **Implementation & Migration:** enables modeling of project and portfolio management, gap analysis and transition and migration planning.

The components of the ArchiMate® standard:

- **Motivation:** enables modelling of stakeholders, drivers for change, business objectives, principles and requirements.
- **Behaviour:** represents the behavior (processes, functions, events and services) performed by the actors.
- **Active structure:** represents the structural elements, such as company actors, application components and devices that exhibit actual behavior; i.e. the subjects of activity.
- **Passive structure:** represents the objects on which behavior is executed. These are usually information objects in the Business Layer and data objects in the Application Layer, but they can also be used to represent physical objects.



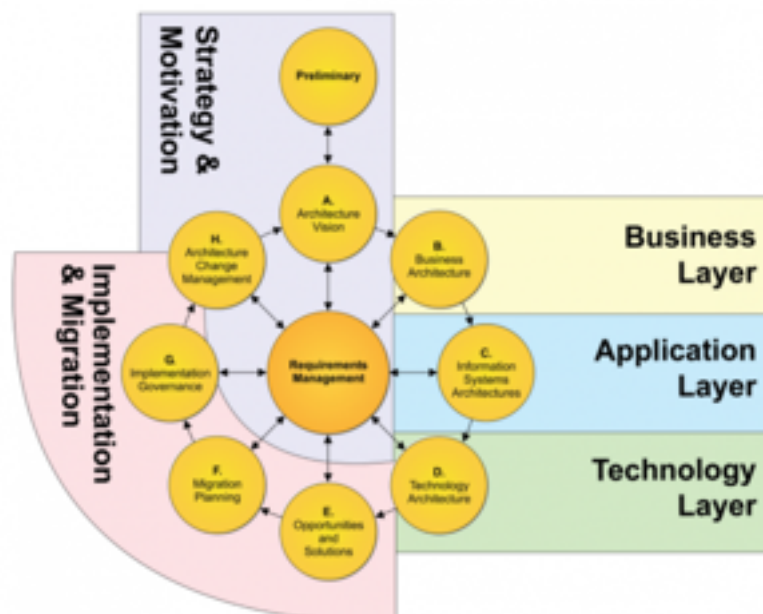
ArchiMate® standard and the TOGAF® framework

The ArchiMate® standard is often used in combination with the TOGAF® framework. The figure below shows a simplified representation of how the ArchiMate® standard can be used in relation to the phases of the TOGAF® Architecture Development Method (ADM).

The Business, Application and Technology Layers support the description of the business, information systems and technology architecture domains defined by the TOGAF® framework, as well as their interrelationships.

The strategy and motivation elements within the ArchiMate® standard can be used to support the Requirements Management, Preliminary and Architecture Vision phases of the TOGAF® ADM, which define the business objectives, architecture principles and initial high-level business requirements. These are also relevant to the Architecture Change Management phase of the TOGAF® ADM, as this phase relates to changing requirements.

The implementation & migration elements of the ArchiMate® standard support the Implementation and migration of architectures through the Opportunities and Solutions, Migration Planning and Implementation Governance phases of the TOGAF® ADM.



Our vision on the ArchiMate® standard

Essentially, architecture is about guiding the making of decisions in the event of changes in the short and long term. Since every architect, manager and designer has their own language, there is a need for a uniform way of communicating. In our opinion, the ArchiMate® standard is a good option for this, as it connects the business operations with IT, and allows this to be recorded unambiguously during the entire change cycle from idea to realisation.

In our training you will learn about Enterprise Architecture and all aspects of the ArchiMate® standard. The training consists of theoretical and practical aspects of the ArchiMate® standard, which will teach you how to apply the modelling language in practice. Within the training, you will be guided by experienced trainers and you will work together with other students. At the end of the training, you will have sufficient knowledge to apply the ArchiMate® standard in your daily work and to pass the exams successfully.

Our ArchiMate® 3 Training Course is accredited by The Open Group.

The Unit Company is the best choice for ArchiMate® certification, because:



Excellent rating

Our TOGAF® 9 Certified training courses are rated at an average of 9.1. More than 98% of our participants pass the exam immediately, with an average score of 78%.

Experienced trainers

Our trainers have years of experience, both in theory and in practice. This results in interactive training courses with many practical examples. Since 2010, The Unit Company has been able to certify more than 2,500+ architects.



Success guarantee

Our unique success guarantee offers an excellent guarantee for your investment. If you do not pass the TOGAF® exam immediately, you can take one free resit at an exam location near you.

Learning Tax-free

We offer Tax-free training for individuals, insurers, banks, and government. The Unit is a registered and accredited CRKBO professional trainer in the Netherlands.



Accredited ArchiMate® 3 Training Course

Our ArchiMate® 3 Training Course, Version 3.0.1, is accredited by The Open Group. This has several benefits for you as a participant:

1. The quality of our ArchiMate® training is continuously monitored by the author of the ArchiMate® standard, The Open Group. This way you are assured of the best quality training.
2. By following accredited training, you comply with international laws and regulations.
3. After taking the exams you will be included in the “Directory of Certified People” at The Open Group, so that employers can verify that you are actually certified.



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What does our ArchiMate® training look like?

This training is including:

- 3-day training
- Foundation exam (level 1) & Certified exam (level 2)
- ArchiMate® Pocket guide
- ArchiMate® ebook
- 1 year SimplyArchiMate
- Practice exams
- **Examination guarantee**
- **Examinations at training location**

Day program

Day 1

Introduction and information about the exams | Language structure | Relations & Nesting | Core Layers & Elements: Business, Grouping and composite, Application, Exercises, Technology | ArchiMate® & EA | Motivation

Day 2

Strategy layer | Implementation and Migration layer | Language specifications: Cross layer dependencies, Derived Relationships, Stakeholders, views and opinions, Language adjustment

Day 3 (optional)

Questions | ArchiMate® Foundation examen (level 1) | ArchiMate® Certified examen (level 2) | exams are on location


Course structure

In our 2 or 3-day classroom training, we deal with theoretical and practical matters. We will use on-line collaboration software to perform the theoretical parts together and get acquainted with this using our active approach: modeling with ArchiMate is about learning by doing!

To prepare you for the Foundation exam (level 1) and Certified exam (level 2) we practice practical exams accredited by The Open Group to prepare you for the final exams.

Theory that is dealt with

Module 1: Introduction and Overview




In this first module, we look at what the ArchiMate® standard companies can offer, and also why it is important for the Enterprise Architecture practitioner and the organization. We introduce the main features of the ArchiMate® 3.0 standard and offer a brief history of the standard since its conception in 2002. Finally, we look at the holders of the ArchiMate® standard, The Open Group, and how the ArchiMate® standard increasingly harmonizes with other standards of The Open Group, in particular the TOGAF® standard.

In this module, we view the Open Group's ArchiMate® 3 certification program. We learn that certification is bidding in three main areas: people, products and training. The certification for people uses two levels: Foundation (level 1) and Practitioner (level 2). We elaborate on the certification requirements that are required for 1 and level 2, as well as the exam conditions and the required number of points.




Module 2: Certification program

Module 3: Basic concepts of EA and ArchiMate®



This module introduces the basic concepts of Enterprise Architecture and the ArchiMate® language. We look at the purpose and benefits of Enterprise Architecture, the relationship between the ArchiMate® standard and Enterprise Architecture, and the architectural domains of ArchiMate® and how they relate to the TOGAF® standard. We will also talk about the positioning of ArchiMate® in relation to other modeling languages, and the basic concepts of modeling.

In Module four, “Language Structure”, we start with ArchiMate's design considerations and top-level language structure, after which we continue with the different layers and the framework. We conclude the subject with research into abstraction, concepts and notations, nesting, use of color and remarkable signals.



Module 4: Language structure

Module 5: ArchiMate® Generic Metamodel

In this module, we take a look at the ArchiMate® generic metamodel, and then we focus our attention on relationships. Regarding the metamodel, we are going to talk about behavioral and structural elements and specializations. We also look at motivation elements, strategy elements, and composite elements.

In addition to the generic elements discussed in module five, ArchiMate® also defines a core set of generic relationships. Each of these relationships can connect a predefined set of source and target concepts. This module covers ArchiMate's core set of generic relationships, including structural and dynamic relationships, grouping, splitting, and specialization.

Module 6: ArchiMate® Relations

Module 7: Motivation and strategy elements

In module seven we look at the motivation and strategy elements in ArchiMate® 3.

We start with the motivation elements. These are used to form the motivations or reasons that guide the design or changes of an Enterprise Architecture. We start with the stakeholder, driver and assessment elements, followed by goal, outcome, principle, requirements, and limitations, after which we conclude our investigation of motivation elements with meaning and value. We then focus our attention on the strategy elements, namely resource, opportunities, and action.


In this module, we discover the elements that make up the business layer in the ArchiMate® Framework. The elements can be split into active, behavioral and passive aspects. Other elements also fall into the composite category.

Module 8: The Business Layer

Module 9: The application layer


In this module, we discover the elements that form the application layer in the ArchiMate® Framework.

In module 10 we explore the elements that form the technology layer in the ArchiMate® Framework.



Module 10: The Technology Layer

Module 11: Physical elements




In module 11 we look at the physical elements, namely the active structural elements “Equipment”, “Facility”, and “Distribution Network”, the behavioral elements, and the passive structural elements (“Material”).

The previous modules presented the concepts to form the Business, Application and Technology layers of a company. However, a central problem remains in Business / IT coordination in Enterprise Architecture: how can these layers be combined? This module describes the relationships that the ArchiMate® language offers to form the link between business, application, and technology.



Module 12: Cross-layer Dependencies

Module 13: Implementation and migration elements



In this module, we look at the implementation and migration elements and their relationships. We define a number of implementation and migration elements, and study relationships and cross-aspect dependencies.

The ArchiMate® language offers a flexible approach in which architects and other stakeholders can use their own views on Enterprise Architecture. In this approach, views are specified by positions. Positions determine abstractions about the series of models that represent the Enterprise Architecture, each focused on a certain type of stakeholder and certain concerns. Positions can be used to view certain aspects separately and to relate two or more aspects. In this module we are talking about stakeholders and concerns, views and views, The Viewpoint Mechanism, determining and classifying positions, and creating positions.



Module 14: Stakeholders, Views and Viewpoints

The ArchiMate® language contains the basic elements and relationships that are only aimed at general EA modeling. However, the language must be able to support other, more specific goals, such as model analysis types, communication of architectures and that of a certain domain (for example the financial sector).

That is why we need the means to adjust the language without burdening it with extra material. This module, therefore, focuses on the adjustment mechanisms in ArchiMate® 3.



Module 15: Language adjustment

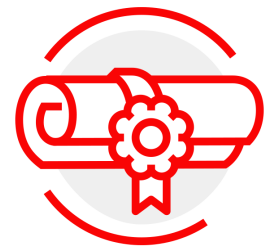
Module 16: Cross-layer Dependencies



This module briefly explains how ArchiMate® Certified Tools can be used to support EA modeling and analysis with ArchiMate® 3.

Exam guarantee

This TOGAF® training includes € 495 per person in exams. The Unit Company values results. 95% of the students pass the first attempt. If you do not pass one of the exams, the re-exam will be scheduled free of charge per student. In other words, this exam guarantee is an excellent protection for your investment.



Trainers

Our experienced trainers work within the Enterprise Architecture field. They take this practical knowledge into account when giving the training.



Pascal Rottier, MSc

Has been involved as a consultant for more than 15 years with major IT strategy and IT projects. He specializes in analysis and design. Ranging from high-level design, enterprise architecture, and requirements engineering to designing databases, service APIs, business processes and 3GL applications. Pascal has been a ScrumMaster and TOGAF® trainer since 2017.

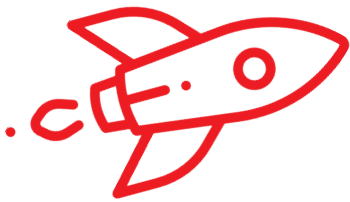
Joost Bleijenberg, MBA

Has fulfilled various functions within Enterprise Architecture. Joost has worked as a product manager, consultant, project architect and trainer for the last 15 years. Joost is result-oriented and works in both operational and strategic areas between companies and IT. He has often worked abroad and has experience with different cultures and types of companies. Joost has been an accredited TOGAF® trainer since 2011. <https://www.linkedin.com/in/joostbleijenberg>



Rienk de Kok, MSc

As an experienced Enterprise Architect, Rienk EA assists companies from a business perspective. Rienk has trained and certified more than six hundred Architects for the TOGAF® and ArchiMate® standards, among others. More than 95% of the students pass the exam on the first attempt. Rienk is assessed by his students with a B + average and 99 out of 100 architecture students can recommend him. <https://www.linkedin.com/in/rienkdekok>



Convinced of the ArchiMate® standard?

Register now for our training and receive a 10% discount on your investment by mentioning #certificatewithdiscount

Would you like to receive more information about the ArchiMate® standard?
Or do you have a question?

Feel free to contact:



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