

## Architecture

# Enterprise Architecture

Enterprise architecture (EA) is the process by which organizations standardize and organize IT infrastructure to align with business goals.

### What is Enterprise Architecture?

Enterprise Architecture (EA) is an organizational model; an abstract representation of an Enterprise that aligns strategy, operations and technology to create a roadmap for success. There are many definitions of the word enterprise: in EA, an enterprise is a complex organization that is attempting to undergo change. - <https://eabok.org>

Snippet from [Wikipedia: Enterprise architecture](#)

**Enterprise architecture (EA)** is concerned with the structures and behaviors of a business, especially business roles and processes that create and use business data. It has been defined as "a well-defined practice for conducting enterprise analysis, design, planning, and implementation, using a comprehensive approach at all times, for the successful development and execution of strategy. Enterprise architecture applies architecture principles and practices to guide organizations through the business, information, process, and technology changes necessary to execute their strategies. These practices utilize the various aspects of an enterprise to identify, motivate, and achieve these changes."

Practitioners of enterprise architecture, *enterprise architects*, are responsible for performing the analysis of business structure and processes and are often called upon to draw conclusions from the information collected to address the goals of enterprise architecture: effectiveness, efficiency, agility, and continuity of complex business operations.

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## Video

Source: [YouTube](#)

# Benefits of Enterprise Architecture

- [https://en.wikipedia.org/wiki/Enterprise\\_architecture#Benefits](https://en.wikipedia.org/wiki/Enterprise_architecture#Benefits)



<b>Enterprise Architecture Benefits</b>	<b>Information Technology</b>	<ul style="list-style-type: none"> <li>Complexity Management</li> <li>Technical resource oversight</li> <li>Knowledge management</li> <li>IT visibility</li> </ul>
	<b>Organizational</b>	<ul style="list-style-type: none"> <li>Increased business agility</li> <li>Operating procedures improvement</li> <li>Business process efficiency</li> <li>Structured decision making</li> </ul>
	<b>Financial</b>	<ul style="list-style-type: none"> <li>Better return on existing investments</li> <li>Reduced risks</li> <li>Cost savings</li> <li>Predictable investment model</li> </ul>

# Enterprise Architecture Frameworks

- [Zachman Framework](#)
- [TOGAF](#) - The Open Group Architectural Framework (TOGAF)
- [UPDM](#)
- [ArchiMate](#)
- [ITABoK](#)
- [EABOK](#)
- [CIO Wiki](#)

Agile Enterprise Frameworks:

- <https://www.scaledagileframework.com/enterprise-architect/>
- <https://disciplinedagiledelivery.com/agility-at-scale/enterprise-architecture/>
- <http://agiledata.org/essays/enterpriseArchitecture.html>
- <https://www.agilealliance.org/wp-content/uploads/2016/01/Agile-Enterprise-Architecture.pdf>

- <https://www.hosiaisluoma.fi/blog/lean-ea-framework/> | <http://www.hosiaisluoma.fi/LEAF/>

See also

- COBIT
- ITIL
- [https://en.wikipedia.org/wiki/Enterprise\\_architecture\\_framework](https://en.wikipedia.org/wiki/Enterprise_architecture_framework)

## Enterprise Architecture Domains

Perspectives:

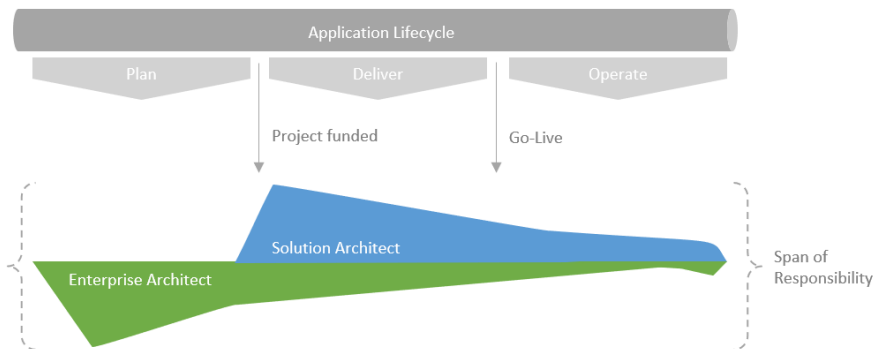
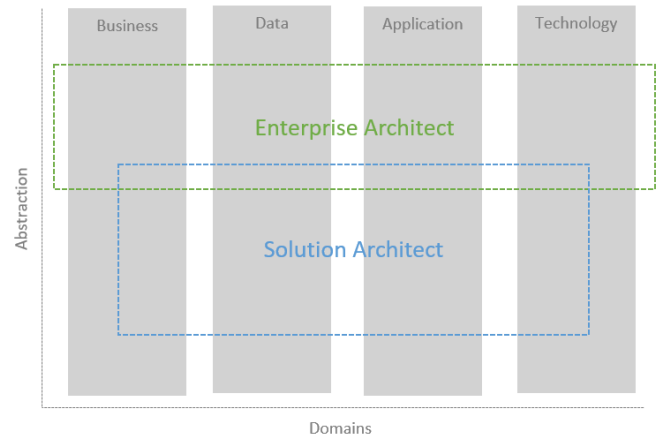
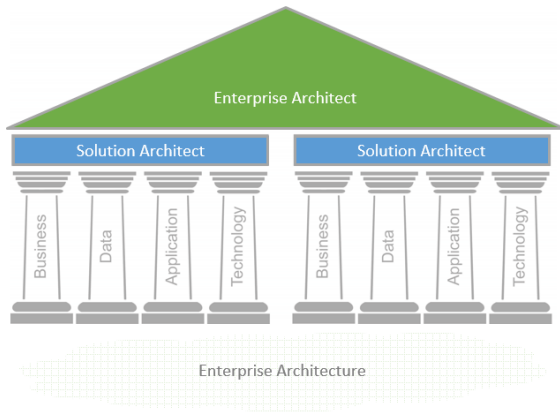
- **Business perspective** - Defines the processes and standards by which the business operates on a day-to-day basis
- **Application perspective** - Defines the interactions among the processes and standards used by the organization
- **Information/data perspective** - Defines and classifies the raw data (such as document files, databases, images, presentations, and spreadsheets) that the organization requires in order to efficiently operate
- **Technology perspective** - Defines the hardware, operating systems, programming, and networking solutions used by the organization

EA Pillars:

- [Business Architecture](#)
- [Data Architecture](#)
- [Application Architecture](#)
- [Technology Architecture](#)

## Enterprise Architecture Roles

- Enterprise Architecture (..as a function)
- [Enterprise Architect](#)
- [Solution Architect](#)



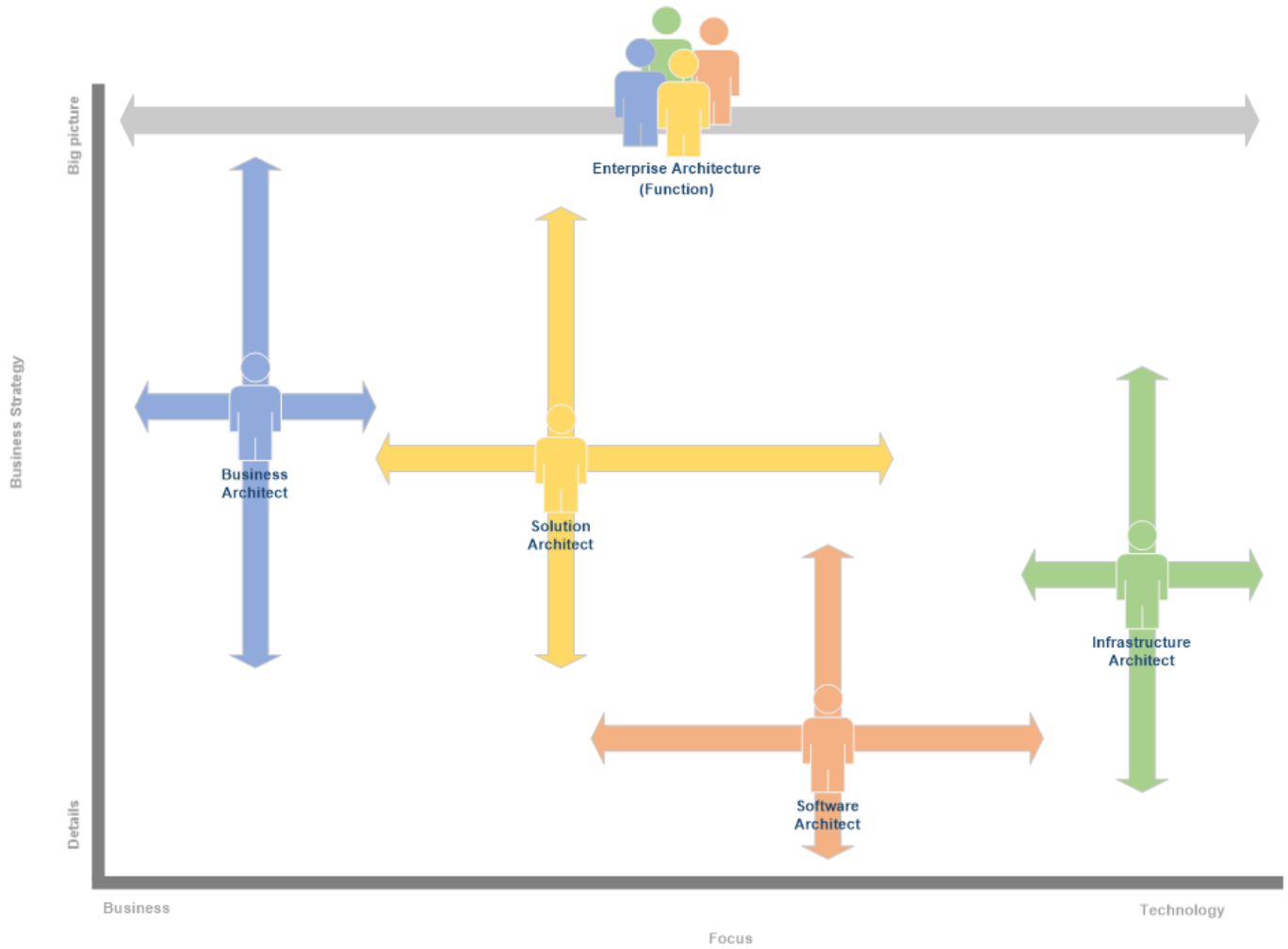
Other roles:

- Business Architect
- System Architect
- Digital Architect
- CIO
- ...

... as a function:

- Role vs Function - EA is a function?????





**.. VS ..**

- IT Architecture
- Software architecture
- Project management
- Knowledge Management

**External links:**

- <http://eabok.org/eabok.html>
- [http://www.ittoday.info/Articles/What\\_Is\\_Enterprise\\_Architecture.htm#.XfDem25FyUk](http://www.ittoday.info/Articles/What_Is_Enterprise_Architecture.htm#.XfDem25FyUk)
- [https://cio-wiki.org/wiki/Enterprise\\_Architecture](https://cio-wiki.org/wiki/Enterprise_Architecture)
- [http://eitbokwiki.org/Enterprise\\_Architecture](http://eitbokwiki.org/Enterprise_Architecture)
- <https://www.modeliosoft.com/en/technologies/enterprise-architecture.html>
- <https://clevertap.com/blog/enterprise-architecture/>
- <https://martinfowler.com/articles/ea-in-lean-enterprise.html>
- <https://sparxsystems.com/domains/enterprise-architecture/enterprise-architecture.html>
- <https://enterprise-architecture.org/docs/>

method, requirements, Architecture, projects, devopsplan, devopsrelease

# Architecture Articles

## A

- [Agile Architecture](#)
- [Application Architecture](#)
- [Architecture Lifecycle](#)

## B

- [Business Architecture](#)

## C

- [Cloud Architecture](#)

## D

- [Data Architecture](#)
- [Digital architecture](#)

## E

- [Enterprise Architecture](#)

## I

- [Information Architecture](#)
- [Integration Architecture](#)

## S

- [Security Architecture](#)
- [Software Architecture](#)
- [Solution Architecture](#)
- [System Architecture](#)

## T

- [Technology Architecture](#)

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