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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 a business function concerned with the structures and behaviours of a business, especially business roles and processes that create and use business data. The international definition according to the Federation of Enterprise Architecture Professional Organizations is "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."

The United States Federal Government is an example of an organization that practices EA, in this case with its Capital Planning and Investment Control processes. Companies such as Independence Blue Cross, Intel, Volkswagen AG, and InterContinental Hotels Group also use EA to improve their business architectures as well as to improve business performance and productivity. Additionally, the Federal Enterprise Architecture's reference guide aids federal agencies in the development of their architectures.

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Video

Source: [YouTube](#)

Benefits of Enterprise Architecture

- https://en.wikipedia.org/wiki/Enterprise_architecture#Benefits



Enterprise Architecture Benefits	Information Technology	Complexity Management
		Technical resource oversight
		Knowledge management
		IT visibility
	Organizational	Increased business agility
		Operating procedures improvement
		Business process efficiency
		Structured decision making
	Financial	Better return on existing investments
		Reduced risks
		Cost savings
		Predictable investment model

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
- [Composable Architecture](#)
- https://en.wikipedia.org/wiki/Enterprise_architecture_framework

Enterprise Architecture Domains

Perspectives:

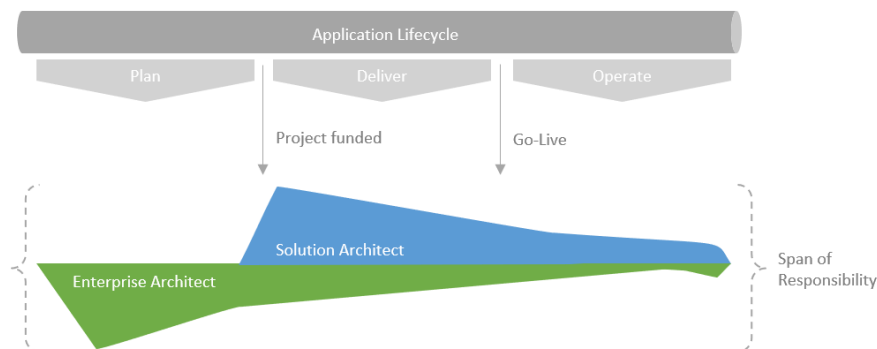
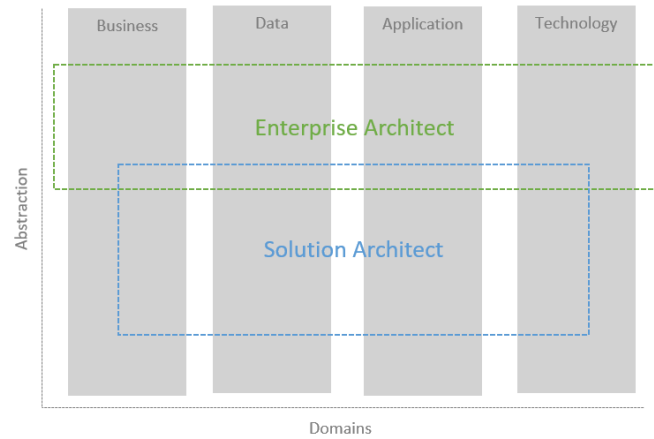
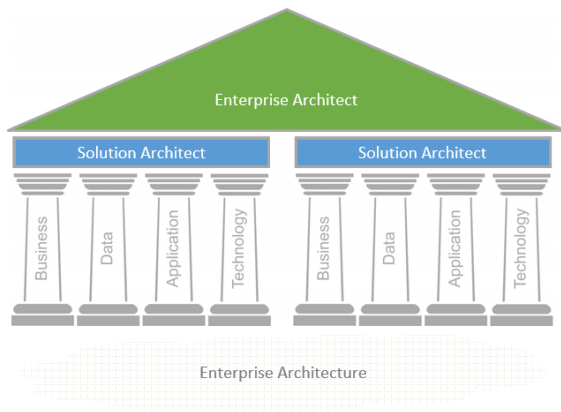
- **Business perspective** - Defines the processes and standards by which the business operates on a day-to-day basis
- **Application perspective** - Defines the interactions among the processes and standards used by the organization
- **Information/data perspective** - Defines and classifies the raw 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](#)



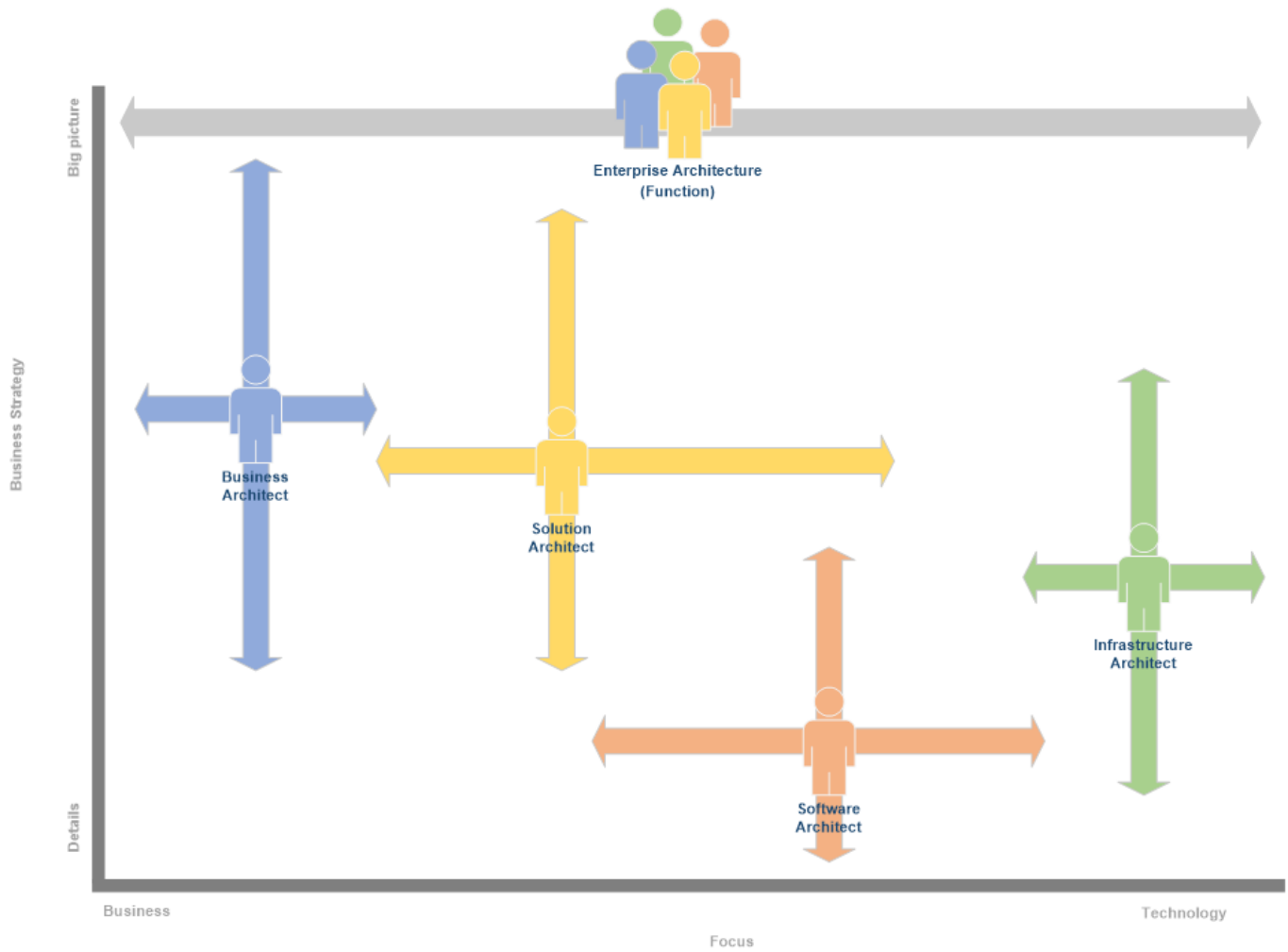
Other roles:

- 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
- https://cio-wiki.org/wiki/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](#), [skill](#), [enterprise](#)

Architecture Articles

A

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

B

- [Business Architecture](#)

C

- [Cloud Architecture](#)

C cont.

- [Composable 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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