

# CONTENTS



# Cabinet Office

**Ben Vandersteen**

Technical Architect

Government Digital Service

@ben\_vandersteen

# What is Technical Architecture?

## Today's goals:

- Understand the different types of architects
- Understand GDS the specific role
- A bit about career pathway
- My own thoughts

# Types of Architect

# Enterprise Architect

**Solutions Architect**

# Technical Architect



# Application Architect

# Data Architect

# Network Architect

# Security Architect

**Enterprise Architect**

**Solutions Architect**

**Technical Architect**

**Security Architect**

**Application Architect**

**Network Architect**

**Data Architect**

# The GDS Architect



**Lead Architect**

**Architect**





## Gregor Hohpe · 2nd

IT Strategist firmly entrenched in the cloud engine room. Author, Speaker, former Singapore Smart Nation Fellow

Talks about #itstrategy, #cloudcomputing, #ittransformation, and #enterprisearchitecture

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Malawski  
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Caroline  
Senior Co  
Governm

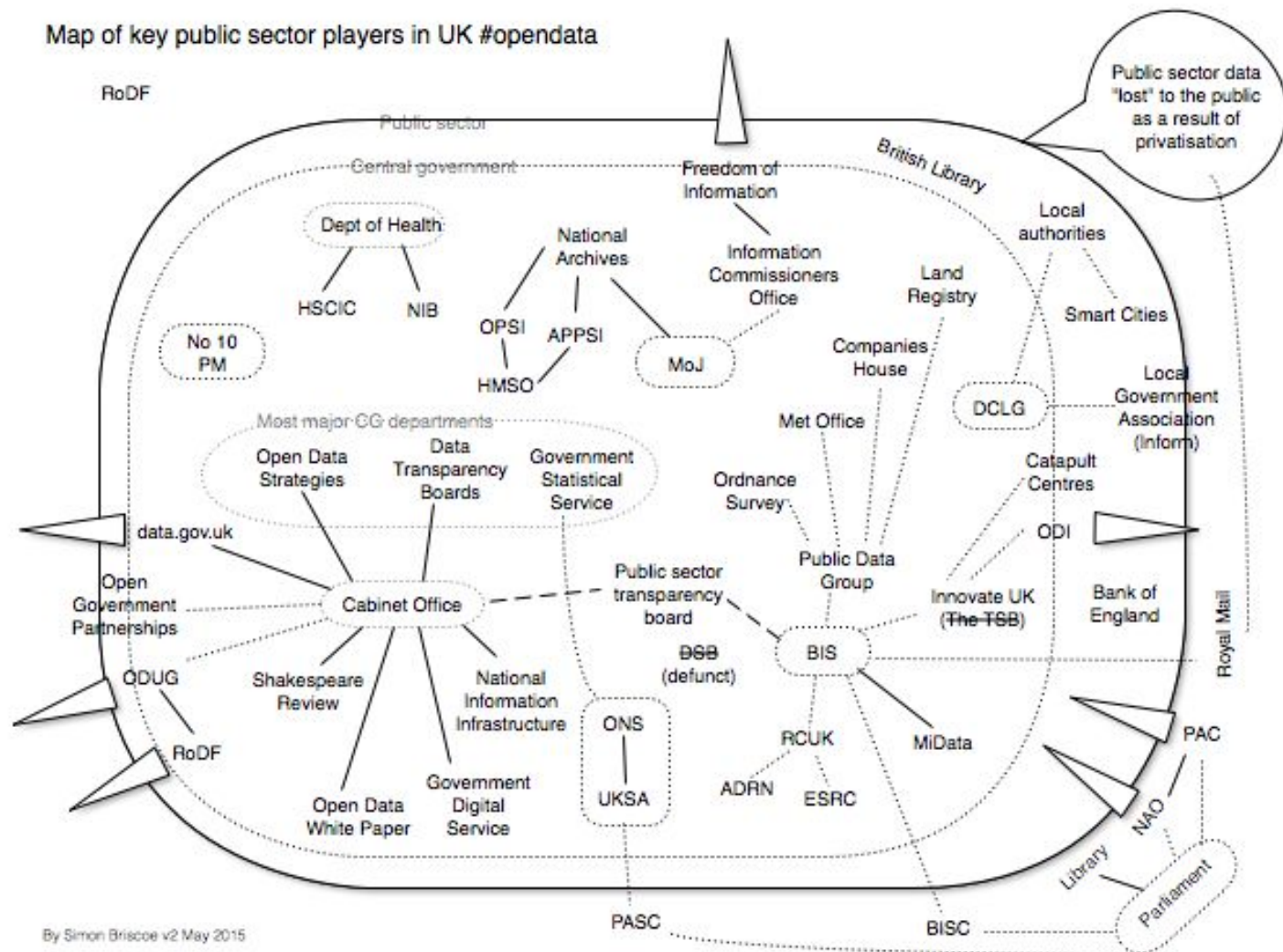
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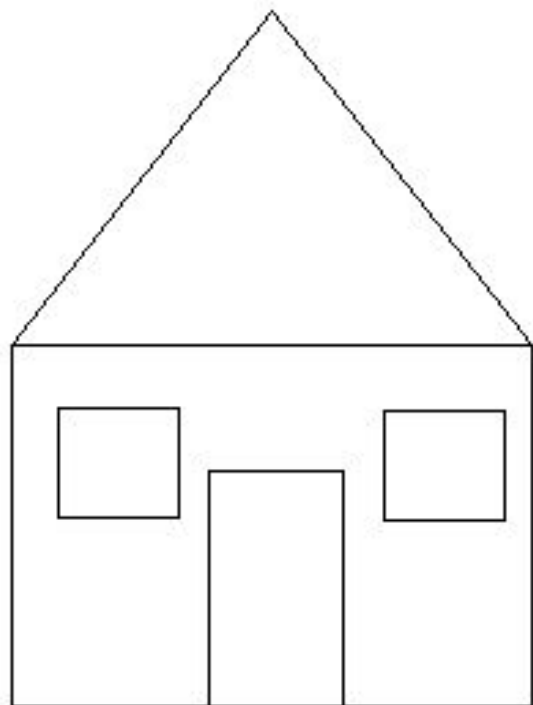
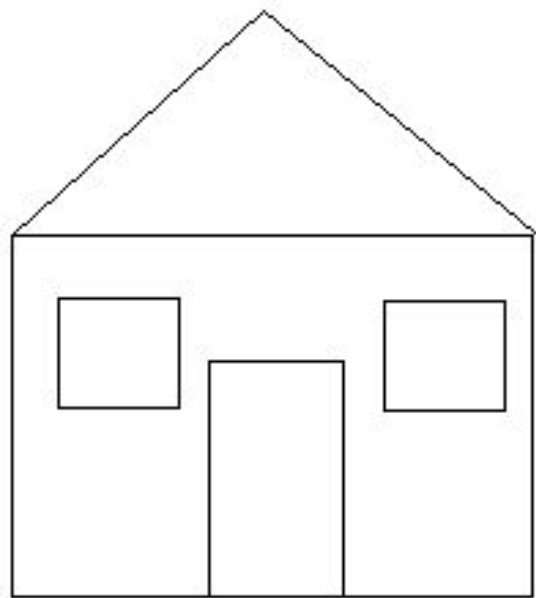
People who follow Gregor also follow

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# Map of key public sector players in UK #opendata







A1 Table

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2	accepted_card_types		uuid	2147483647				
3	accepted_card_types		int8	19				
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6	agreements		varchar	255				
7	agreements		varchar	32				
8	agreements		int8	19		√		
9	agreements		int8	19		√		
10	agreements		bool	1				
11	agreements		int8	19	√			
12	agreements		varchar	255				
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14	agreements		varchar	255	√			
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16	card_types		uuid	2147483647				
17	card_types		text	2147483647				
18	card_types		bool	1	√			
19	card_types		varchar	15				
20	card_types		int8	19				0
21	charge_events		int8	19		√		
22	charge_events		timestamp	29	√			
23	charge_events		text	2147483647	√			
24	charge_events		int8	19		√		
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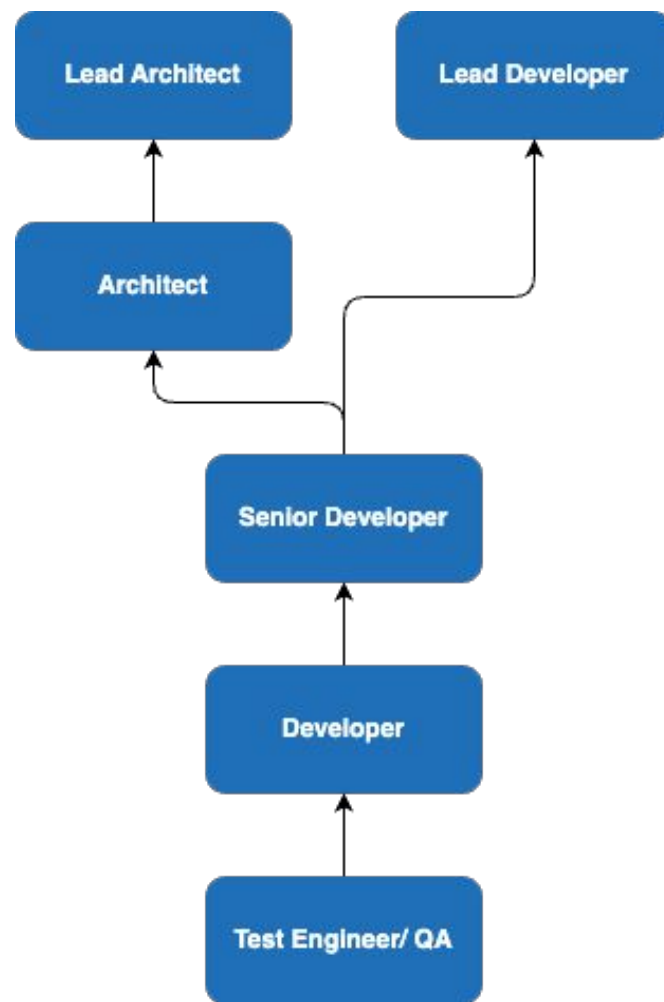
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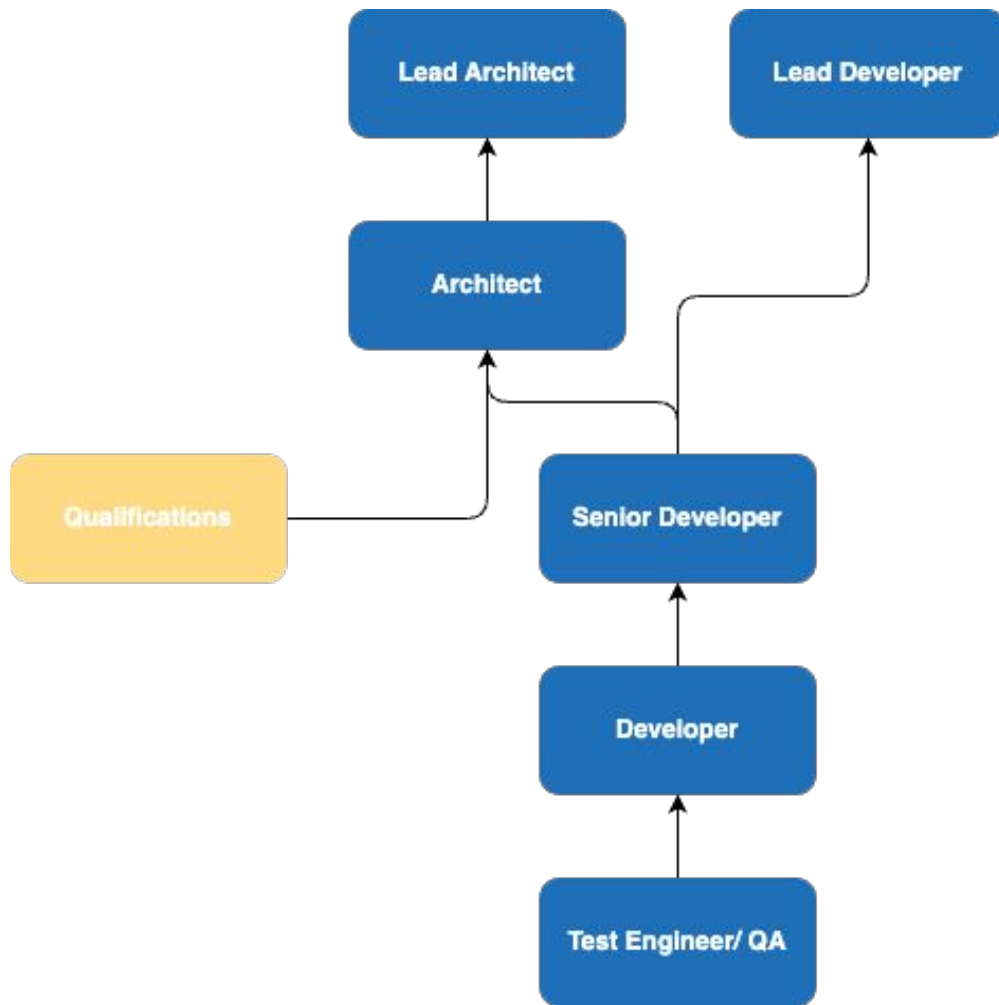
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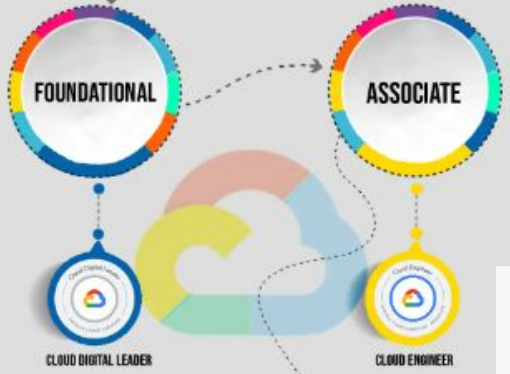
# Career Pathway







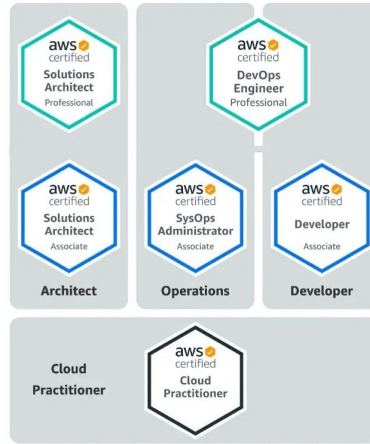
# Google Cloud Certification Path



Professional

Associate

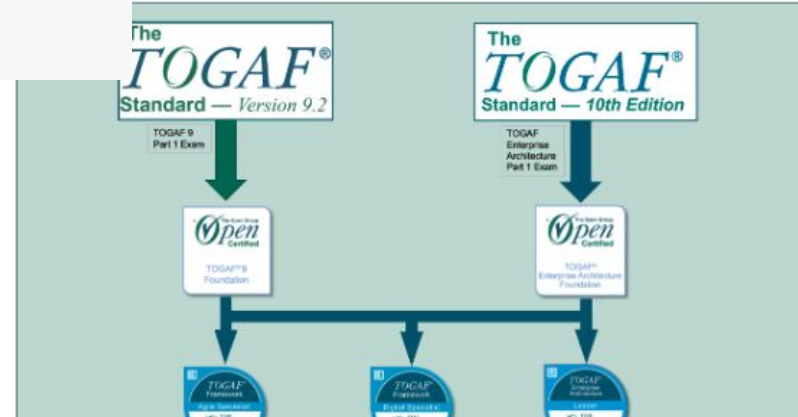
Foundational



Specialty



Certified Information Systems Security Professional  
An (ISC)<sup>2</sup> Certification

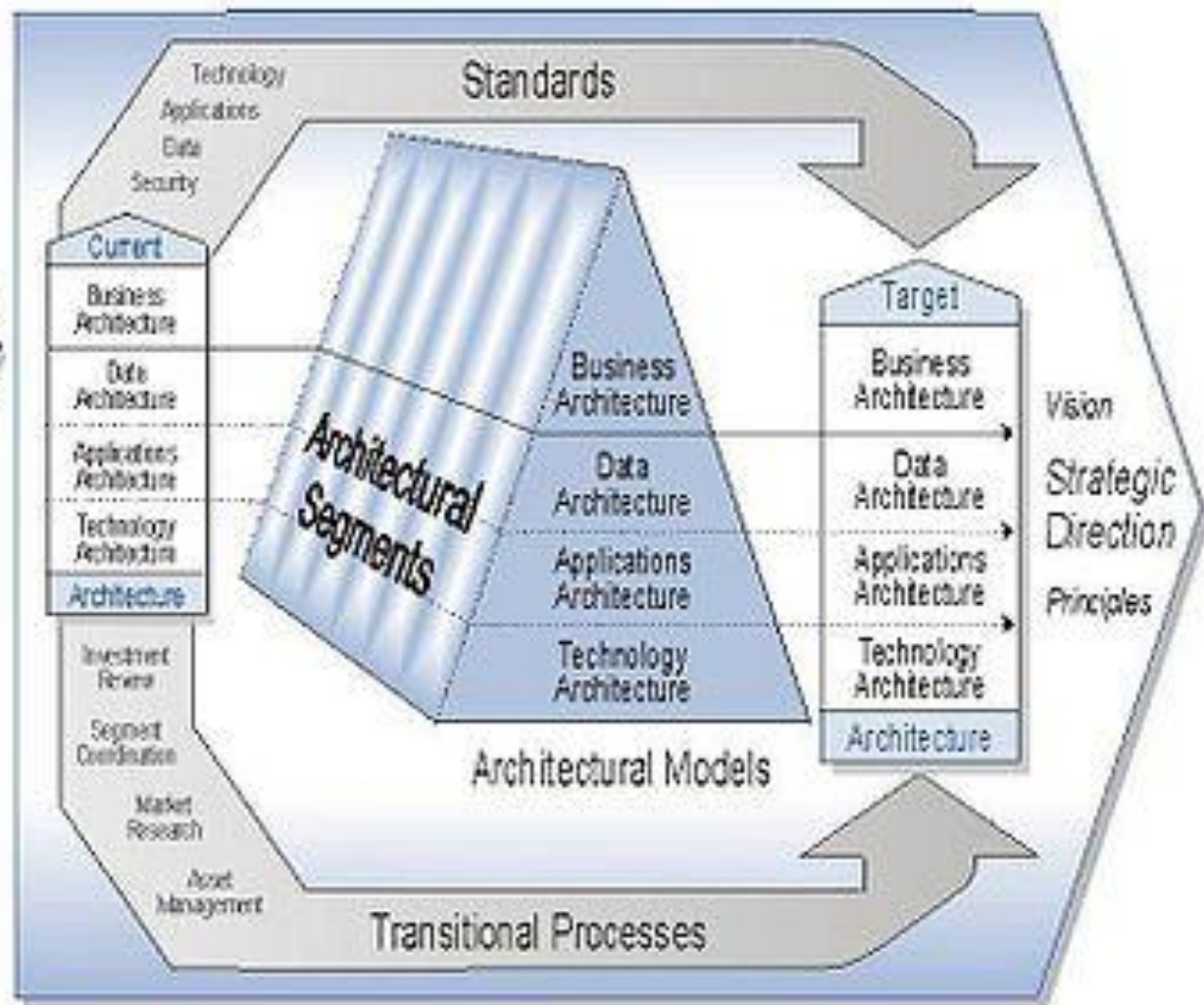


# Frameworks

Architecture  
Drivers

Business  
Drivers

Design  
Drivers





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## DoD Architecture Framework Version 2.02

### DoD Deputy Chief Information Officer

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## The DoDAF Architecture Framework Version 2.02

Welcome to DoDAF Version 2.02! This is the official and current version for the Department of Defense Architecture Framework.

**Version 2.02**, is the approved release of the DoDAF as of August 2010.

For a description of changes made to DoDAF/DM2 2.01 to create DoDAF/DM2 2.02, download the [Version Description Document](#) [here](#).



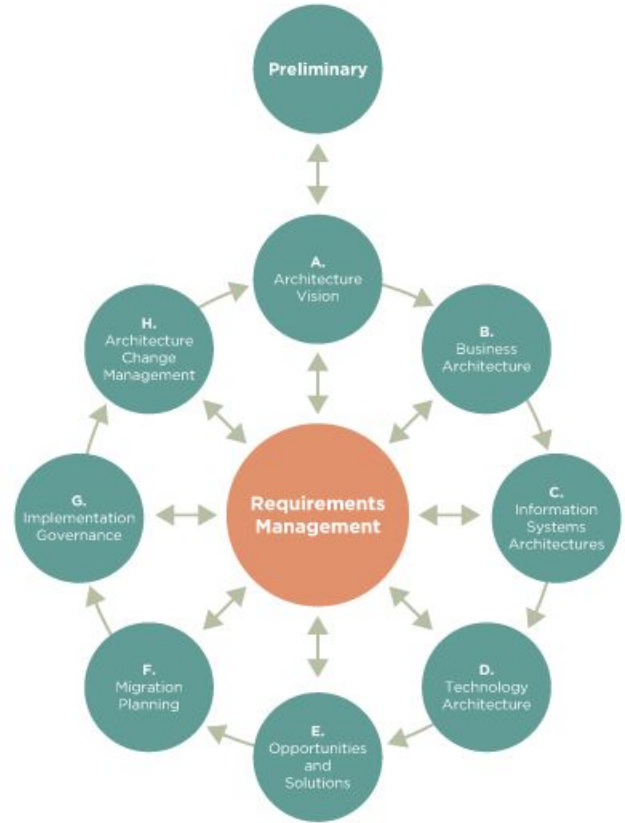
This site has been edited to remove references to the DoD Architecture Registry System (DARS) and the DoDAF Journal which are no longer supported. Existing DARS data is accessible via the Warfighting Mission Area Architecture Federation and Integration Portal [WMA AFIP](#) (CAC Required)

### DoDAF Conformance








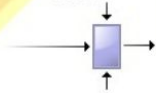

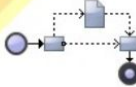



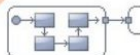






















DoD Components are expected to conform to DoDAF to the maximum extent possible in development of architectures within the Department. Conformance ensures that reuse of information, architecture artifacts, models, and viewpoints can be shared with

# TOGAF

## Architecture Design Model





The Zachman Framework	DATA What	FUNCTION How	NETWORK Where	PEOPLE Who	TIME When	MOTIVATION Why
<b>SCOPE</b> (Contextual) Planner	Things Important to the Business 	Processes the Business Performs 	Locations in which the Business Operates 	Organizations Important to the Business 	Events/Cycles Significant to the Business 	Business Goals/Strategies 
<b>BUSINESS MODEL</b> (Conceptual) Owner	Conceptual Data Model 	Business Process Model 	Business Logistics 	Work Flow Model 	Master Schedule 	Business Plan 
<b>SYSTEM MODEL</b> (Logical) Designer	Logical Data Model 	Application Architecture 	Distributed System Architecture 	Human Interface Architecture 	Processing Structure 	Business Rule Model 
<b>TECHNOLOGY MODEL</b> (Physical) Builder	Physical Data Model 	System Design 	Technology Architecture 	Presentation Architecture 	Control Structure 	Rule Design 
<b>DETAILED REPRESENTATIONS</b> Sub-Contractor	Data Definition 	Program 	Network Architecture 	Security Architecture 	Timing Definition 	Rule Specification 
<b>FUNCTIONING ENTERPRISE</b>	Data 	Function 	Network 	Organization Units 	Schedule 	Strategy 

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## Guidance

# MOD Architecture Framework

The MOD Architecture Framework (MODAF) is a set of rules that support defence planning and change management activities.

From: [Ministry of Defence](#)

Published 12 December 2012

Last updated 7 August 2020 — [See all updates](#)

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### This guidance was withdrawn on 15 January 2021

MODAF has been replaced with the NATO Architecture Framework (NAF) V4.

NAF V4 can be found on the [NATO website](#).

#### Contents

- [Overview](#)
- [Who should use this guidance](#)
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- [MODAF meta model and MODAF ontological data exchange mechanism](#)
- [Use and examples of MODAF](#)
- [Frequently asked questions](#)
- [Is there a MODAF manual?](#)

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# NATO Architecture Framework, Version 4

Last updated: 31 Aug. 2022 17:11



The aim of the NATO Architecture Framework Version 4 (NAFv4) is to provide a standard for developing and describing architectures for both military and business use. It provides a standardized way to develop architecture artefacts, by defining Methodology (how to develop architectures and run an architecture project), Viewpoints (conventions for the construction, interpretation and use of architecture views for communicating the enterprise architecture to different stakeholders), Meta-Model (the application of commercial meta-models identified as compliant with NATO policy), and a Glossary, References and Bibliography.

# Thoughts



# Cabinet Office

**Thanks!**

Ben Vandersteen  
@ben\_vandersteen