



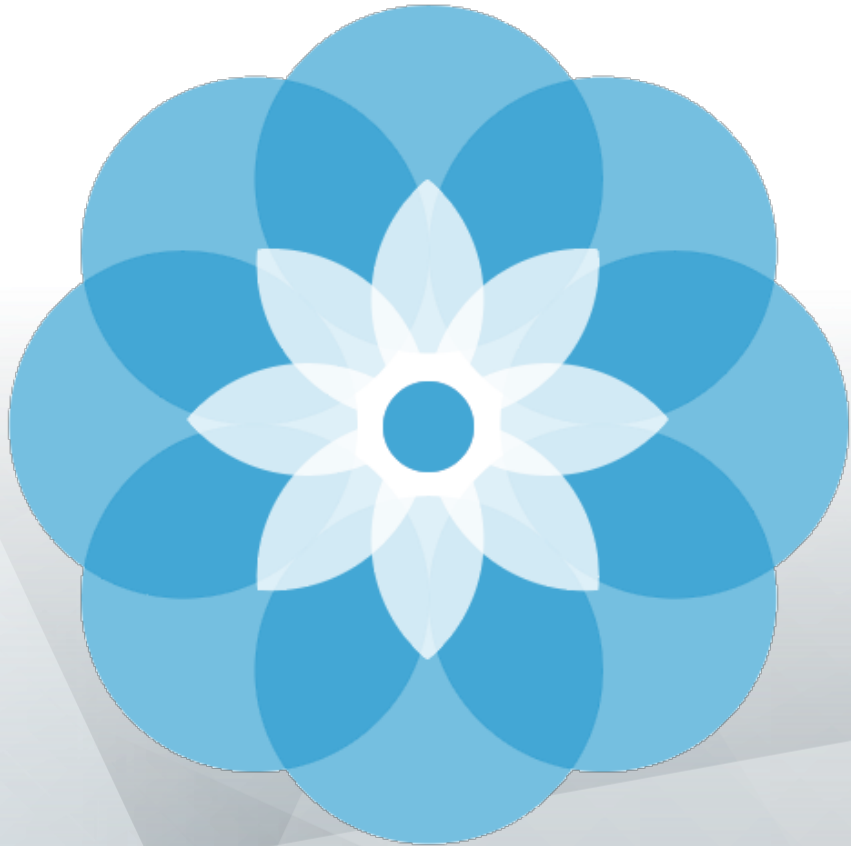
arc42 in einem DevOps Team

Lessons Learned

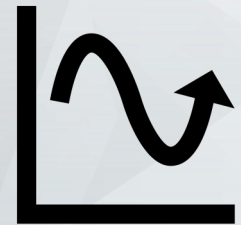
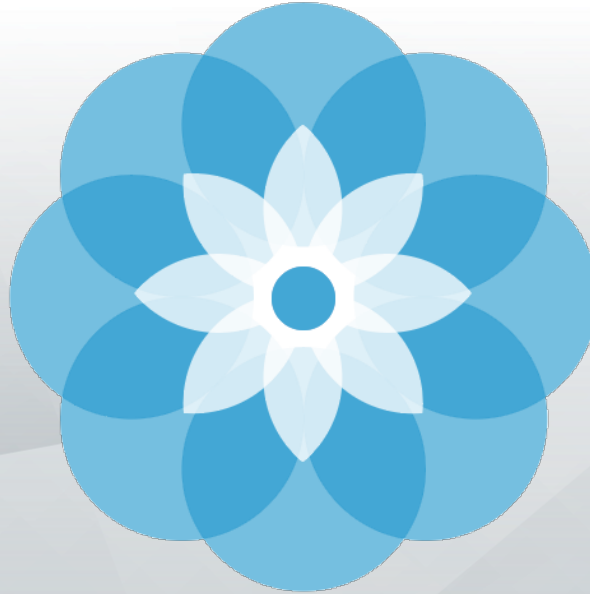
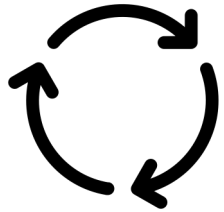
DB Systel GmbH | Johannes Dienst | @JohannesDienst

DB Systel
Digital bewegen.
Gemeinsam.

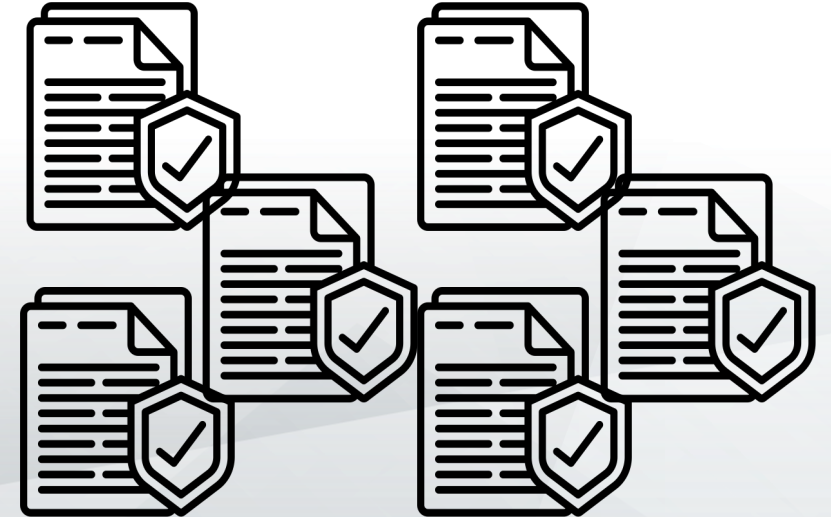
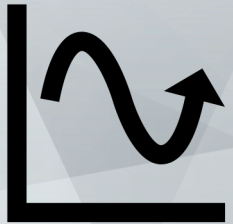
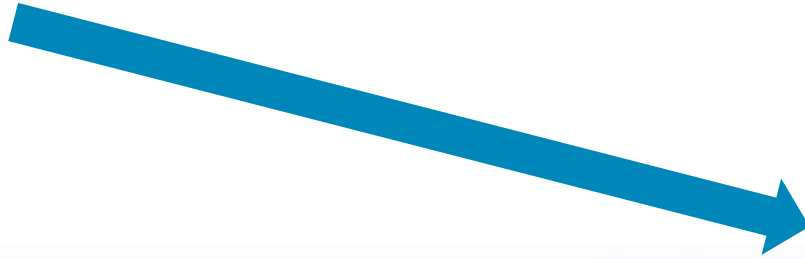
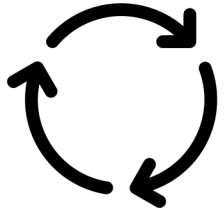
Digitalpartner der Deutschen Bahn



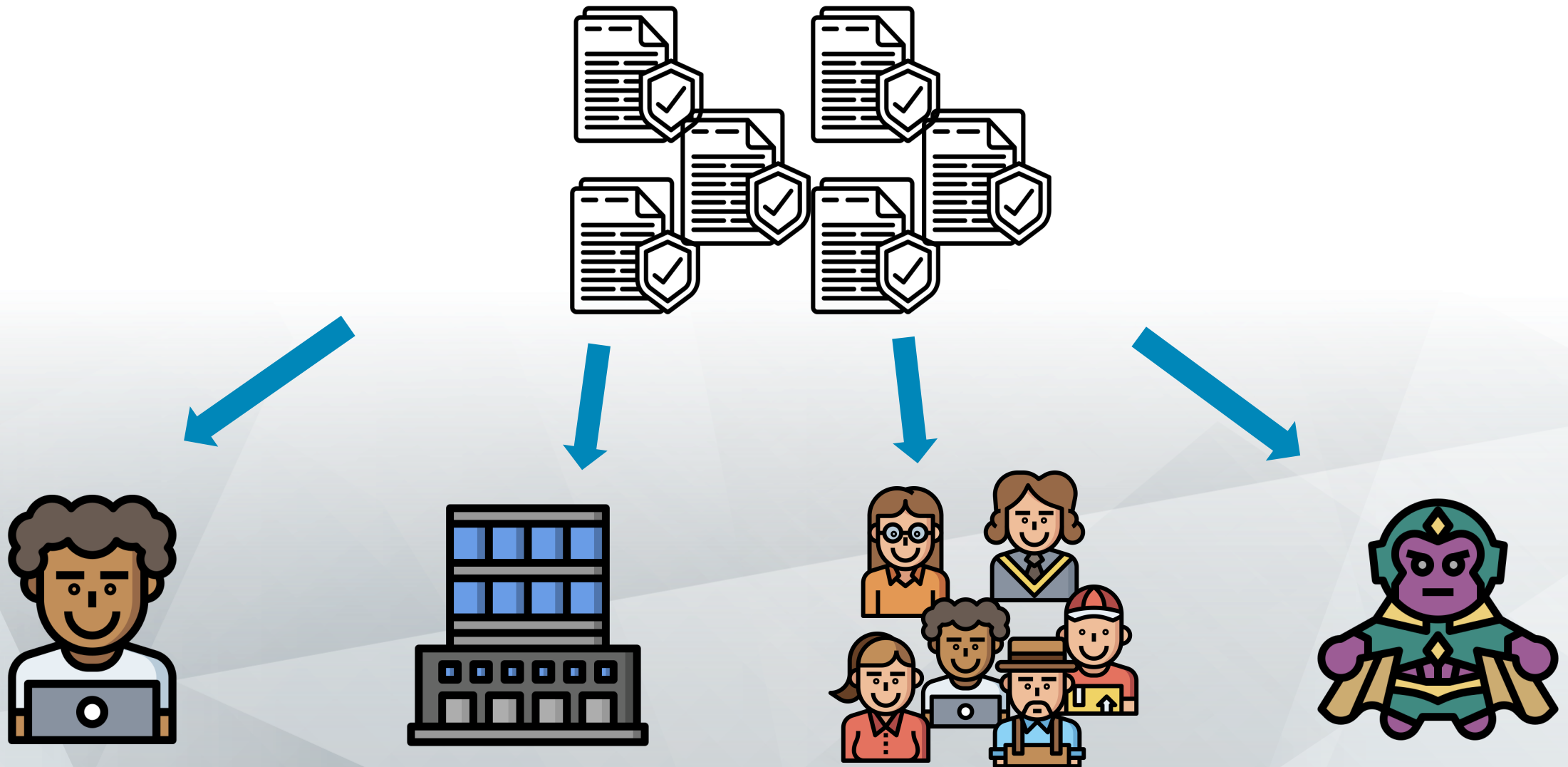
- Content as a Service (CaaS)
- Headless CMS
- Selbst gehostet in der Cloud
- You build it, you run it!



Schlechte Dokumentation ist teuer

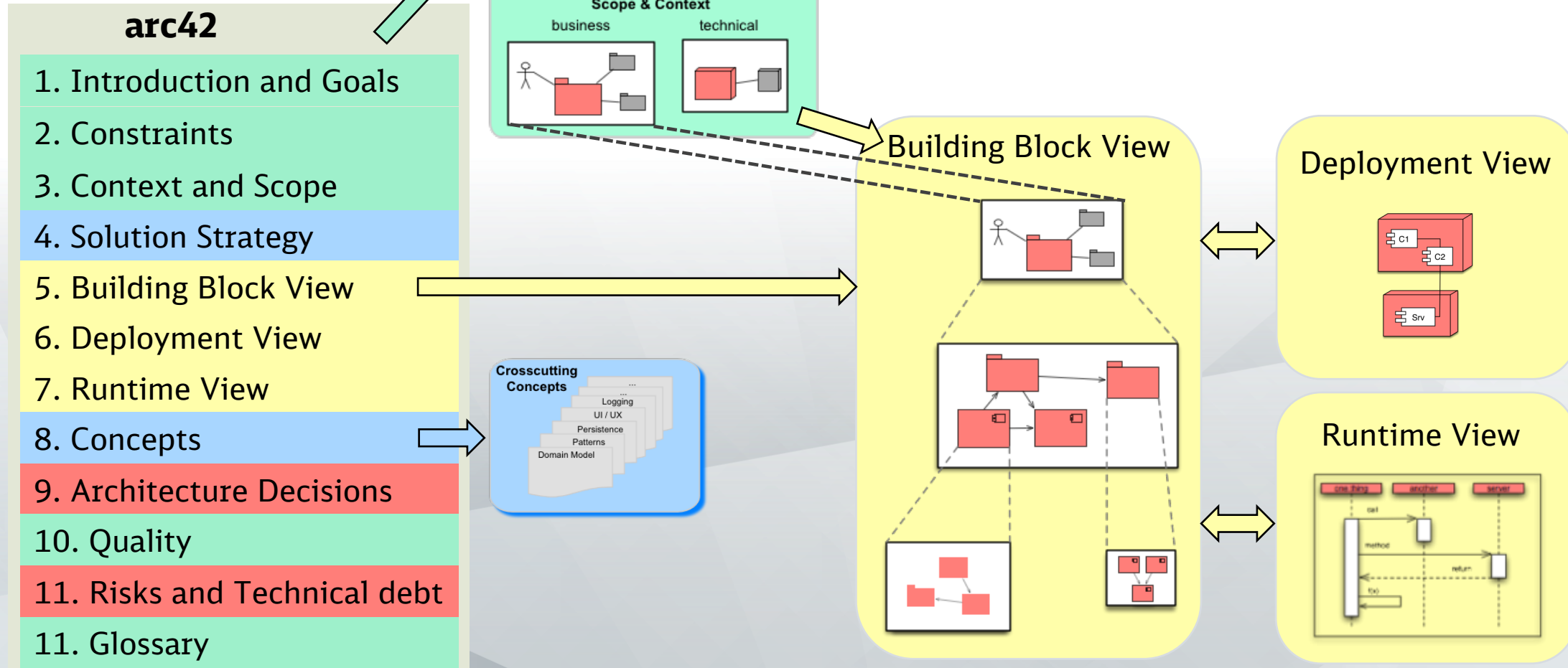


Schlechte Dokumentation ist teuer

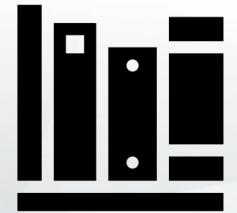


A thick, dark blue curved line that starts from the left side of the slide and arcs over the word 'arc' and the circled '42'.

arc⁴²



Technische Architekturdokumentation in einem DevOps Team



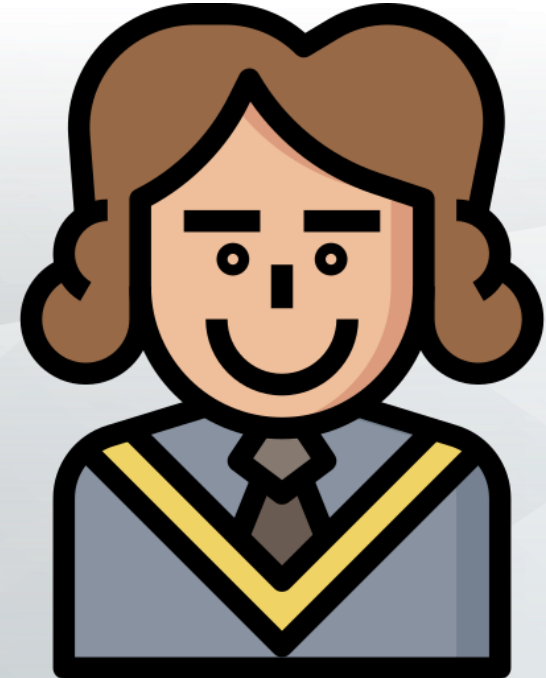
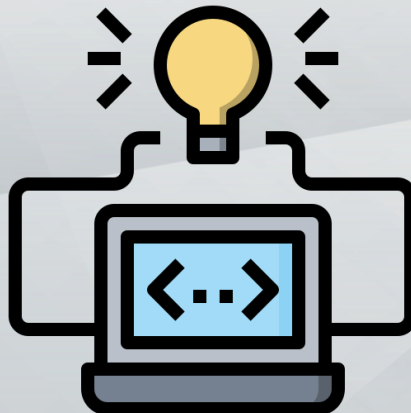
Betriebshandbuch

Must Haves

- Introduction and Goals
- Constraints
- Context and Scope
- Solution Strategy
- (Building block view)
- (Deployment view)
- (Runtime view)
- Concepts
- Architecture Decisions
- Quality
- Risks and technical Debt
- Glossary

Content
Asset

Content
Type

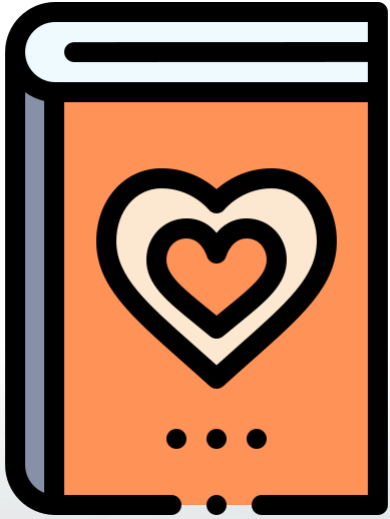




Technische Architekturdokumentation != Tutorial



Das Wiki ist ein Problemkind



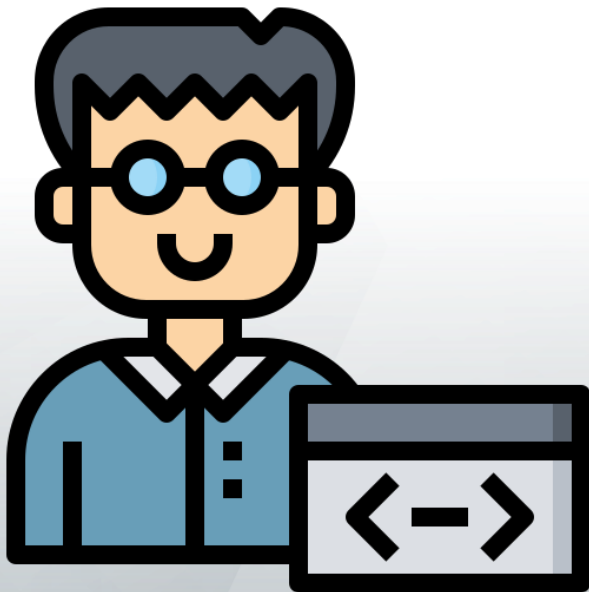
Das Wiki ist ein Problemkind



Wechsel zu Docs-As-Code



Vorteile von Docs-As-Code

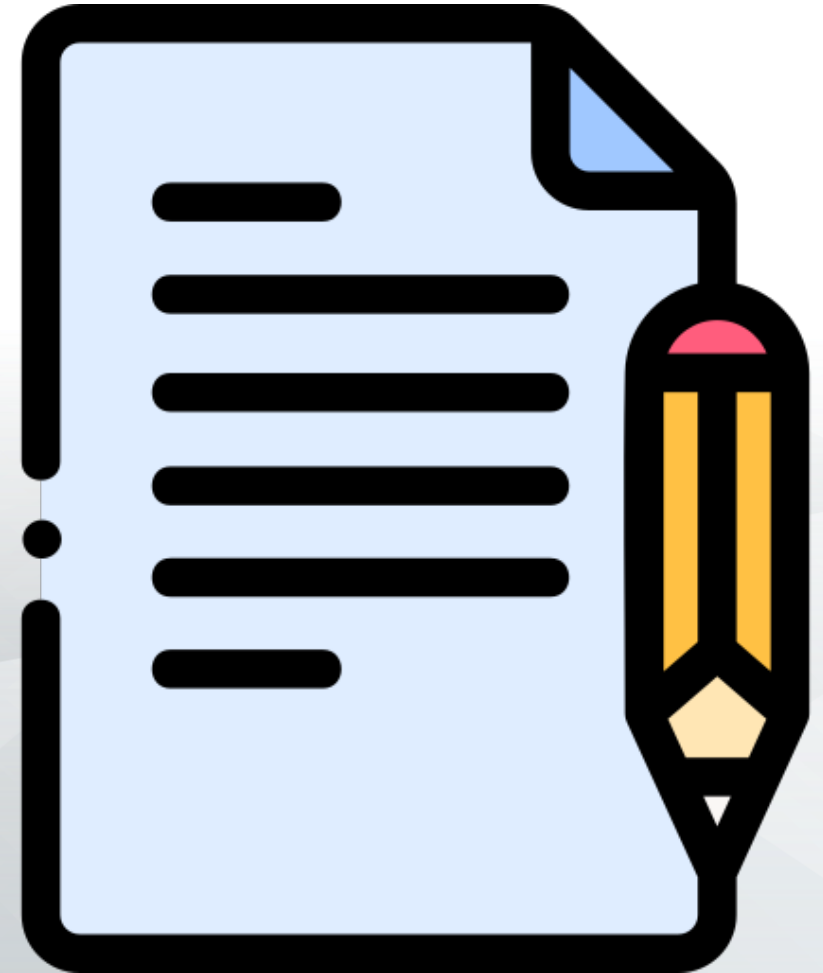
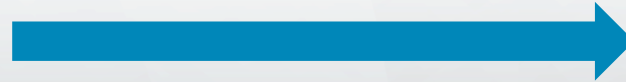
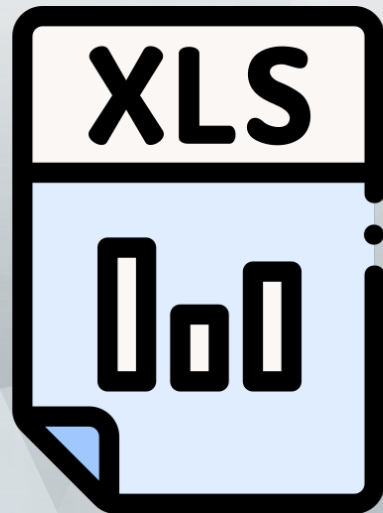
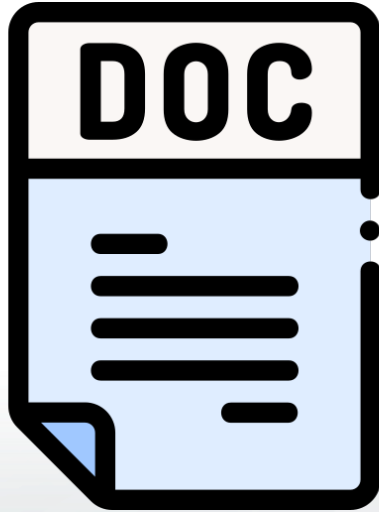


Von Free Software
Foundation - [1], FAL,
<https://commons.wikimedia.org/w/index.php?curid=53428398>



BASH
THE BOURNE-AGAIN SHELL

Vorteile von Docs-As-Code



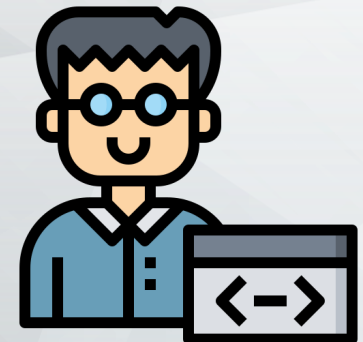
Vorteile von Docs-As-Code: Docs Review



main



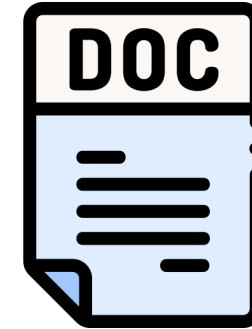
adr-042

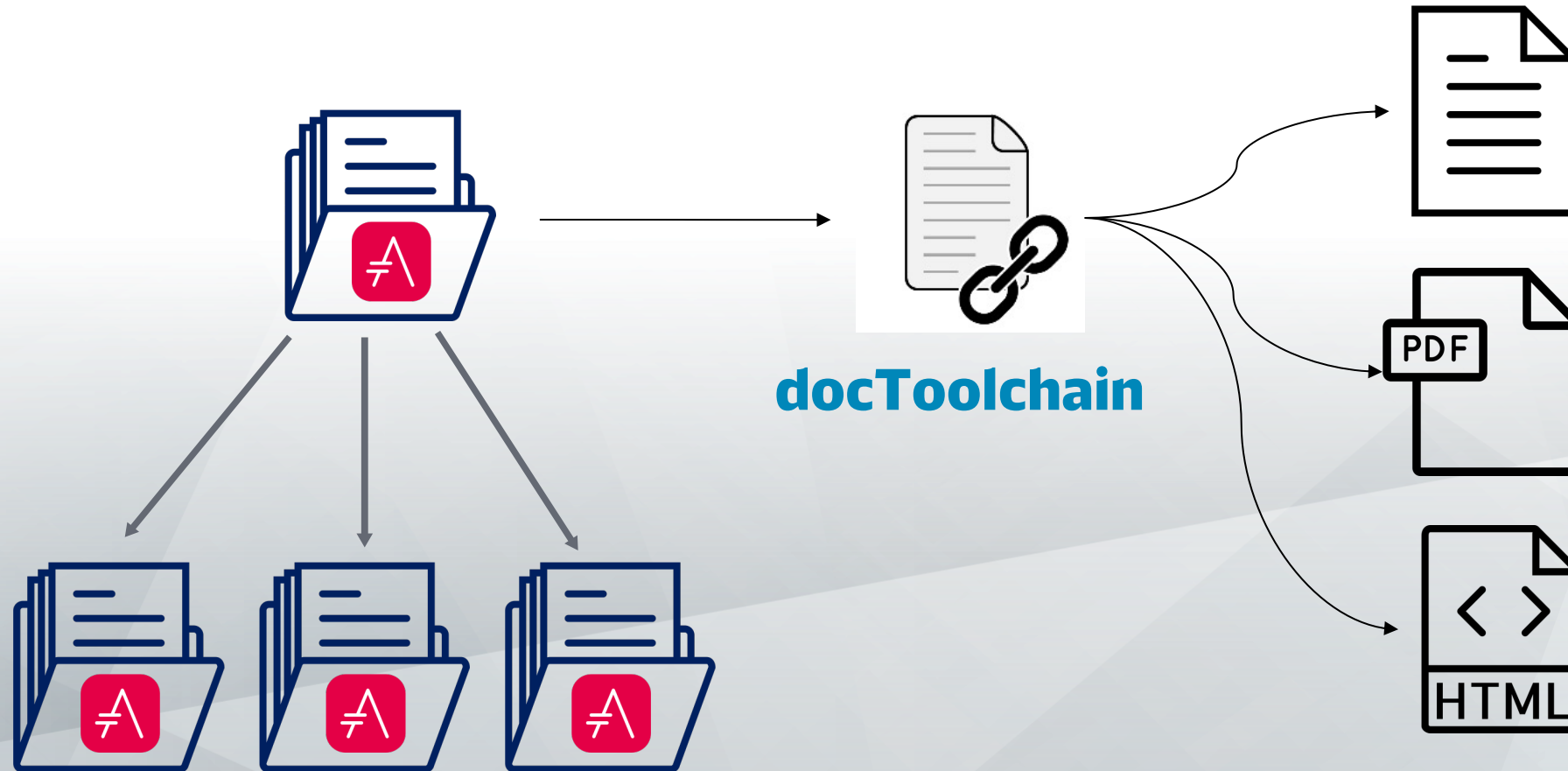


Standard

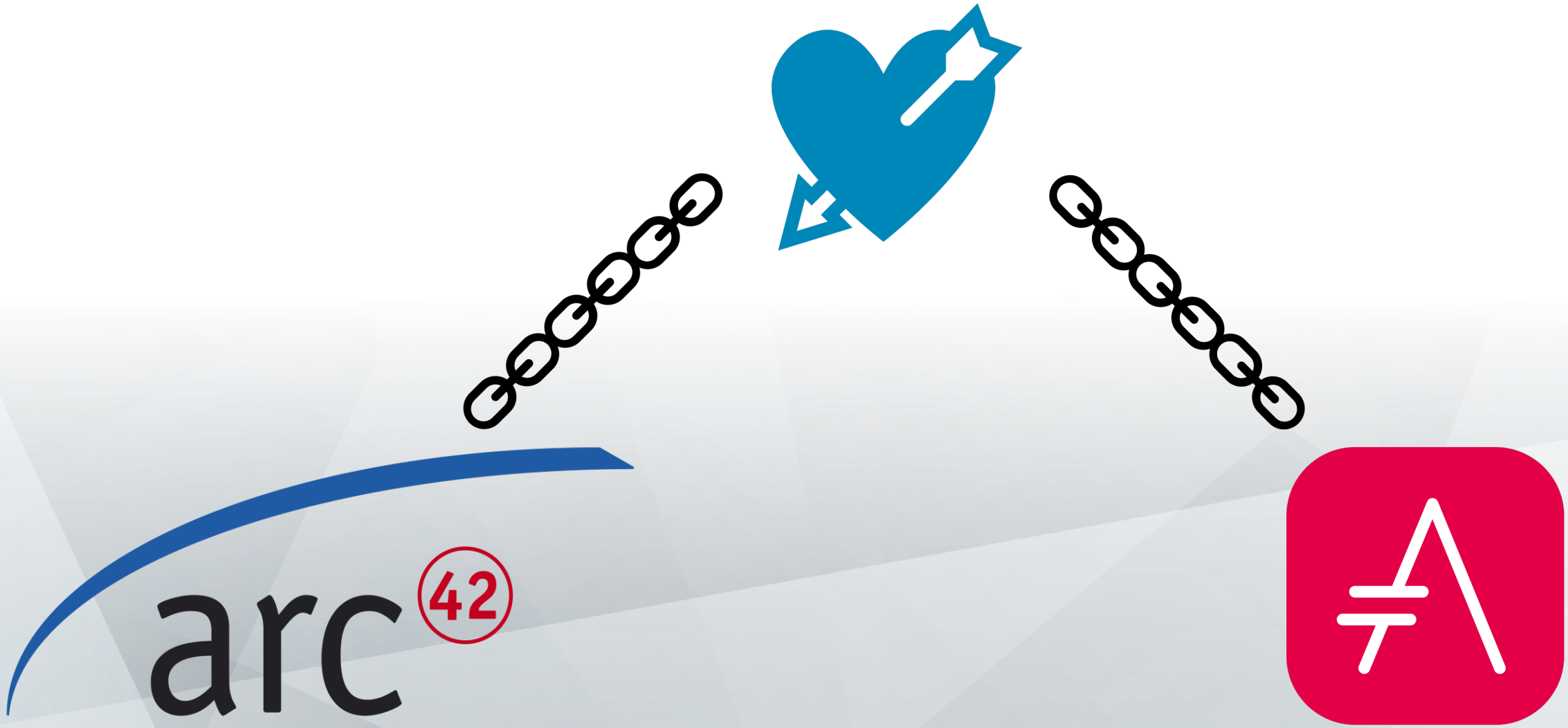


Includes





Docs-As-Code und arc42: A Love Story





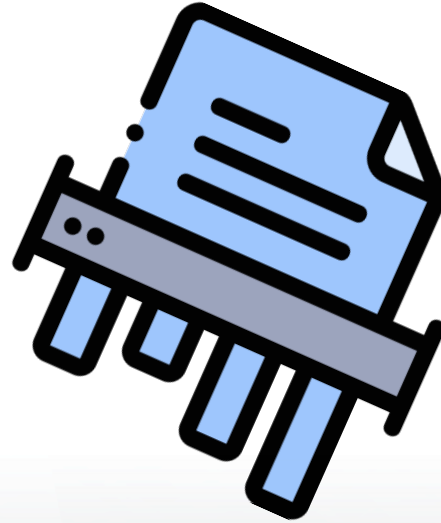
- 01 Einführung und Ziele
- (02 Randbedingungen)
- 03 Kontextabgrenzung
- 04 Lösungsstrategie
- (05 Bausteinsicht)
- (06 Laufzeitsicht)
- 07 Verteilungssicht
- 08 Querschnittliche Konzepte
- 09 Entwurfsentscheidungen
- 10 Qualitätsanforderungen
- 11 Risiken und technische Schulden
- (12 Glossar)
- 13 Go Live

Master

Deinem Team eine eigene Microsite für Dokumentation mit Hilfe des Docs-as-



Veraltete Dokumentation



arc42	
1. Introduction and Goals	
2. Constraints	
3. Context and Scope	
4. Solution Strategy	
5. Building Block View	
6. Deployment View	
7. Runtime View	
8. Concepts	
9. Architecture Decisions	
10. Quality	
11. Risks and Technical debt	
11. Glossary	



ADR-003: Staging- vs Cluster-Environment for CMS



We use two environments (IAT, Prod). These are set up as clusters.

Status

Accepted

Context

A solution is sought to ensure scalability for the entire system. The goal is to potentially serve dozens of customers with thousands of requests per second.

Consequences

Change of system architecture necessary

- Dismantling of the two public instances
- Deconfigure push publishing

No environment is provided on which content is pushed

Alternatives

Cluster-Solution

- Operation of the CMS in the cluster -> Horizontal Scaling

Push Publishing

- Vertical Scaling

Blog

[ADR](#) 20 [API](#) 4 [AsciiDoc](#) 1 [CoreSystem](#) 18 [Deployment](#) 3 [Extendability](#) 1 [Monitoring](#) 1 [Open](#) 2 [Platform](#) 5 [Scaling](#) 2 [Security](#) 3 [Testing](#) 2

[RSS-Feed !\[\]\(4f6bf54ae7e4144a72d78316053e412d_img.jpg\)](#)

ADR-019 - Generische REST-API/Objektstruktur

06 January 2020

Wir unterscheiden nur zwischen Content-Objekten, File-Objekten, Widget-Objekten und ContentType-Objekten.

ADR-018 - Keine kundenspezifischen Acceptance-Tests

02 January 2020

Welche zwei Fragen sind noch offen?

Johannes.Dienst@deutschebahn.com
@JohannesDienst



Links

<https://arc42.org/>

<https://leanpub.com/arc42byexample>

<https://www.dokchess.de/>

https://github.com/joelparkerhenderson/architecture_decision_record