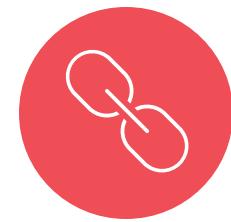




S/4HANA top tips to **Lift & Shift Left**

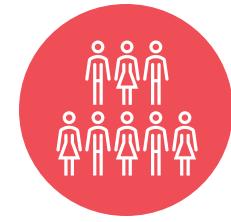
Who are we



Unifying SAP Change
Management since 1997



SAP Software Partner
since 2002



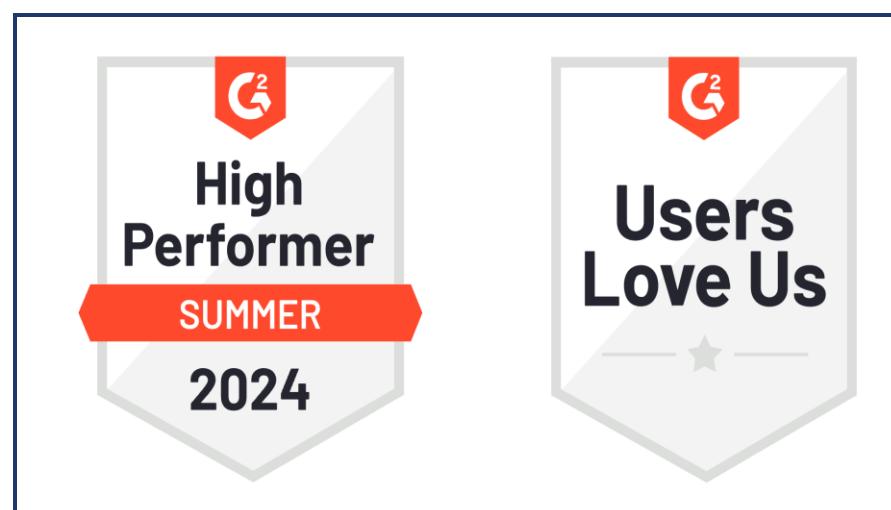
60,000 users



220 customers worldwide



G2 Ratings of 4.8/5



Ben Patterson – CTO

Fritz Mosonyi – Senior Solution Consultant

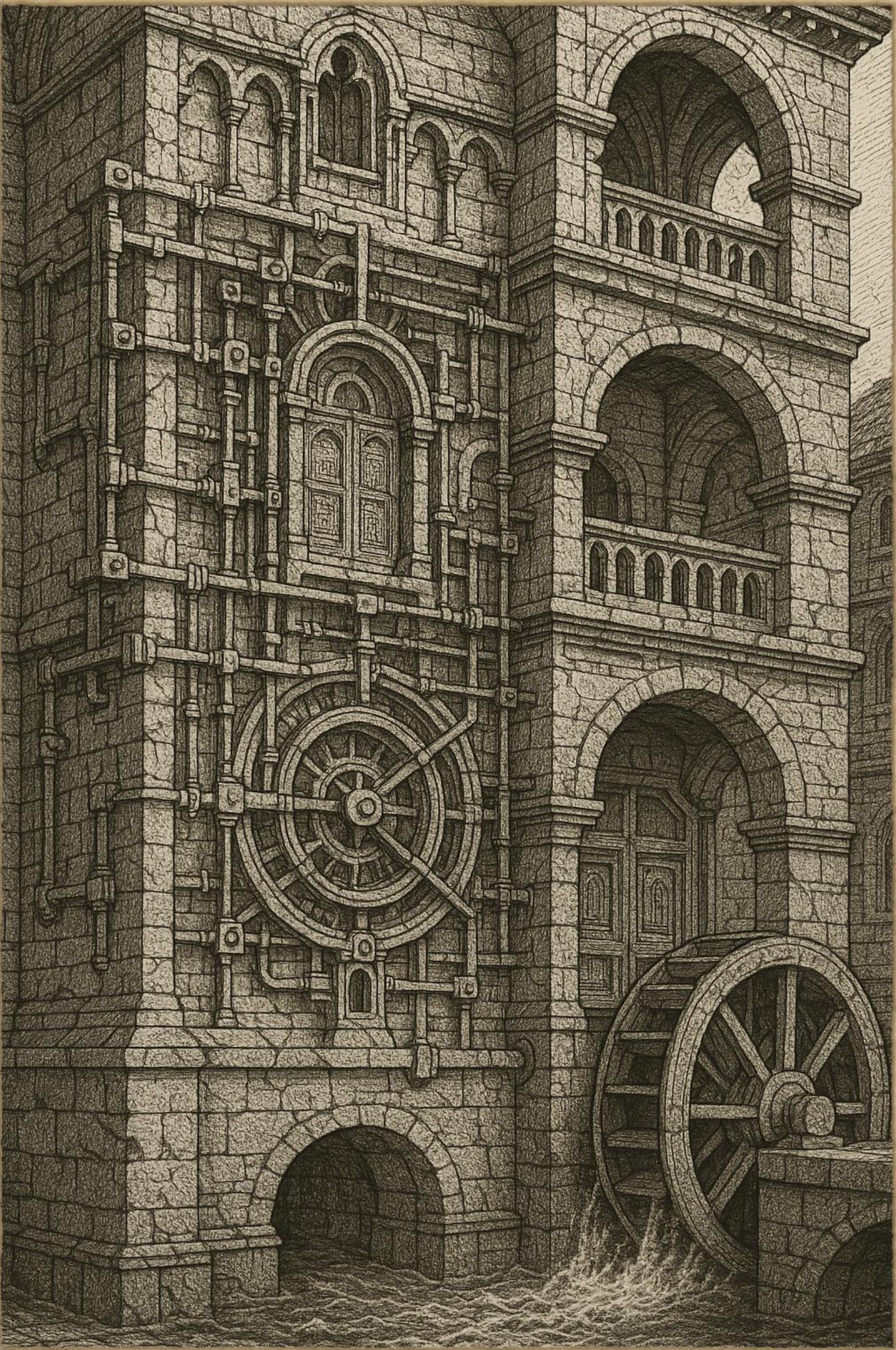


Lift & Shift
Left

Once upon a time...

...in a land far far away, there was a master carpenter, Sophie...





Marvelous Creations

... buildings that could harness the water source of the town to power amazing functions within them.

Erp de Centralis Componentis

...a truly vast city, filled with many wonders, but it also had fallen into disrepair...





The Quest

A team is
assembled...

Sophie Prepares

...ancient texts of master builders from
foreign lands...



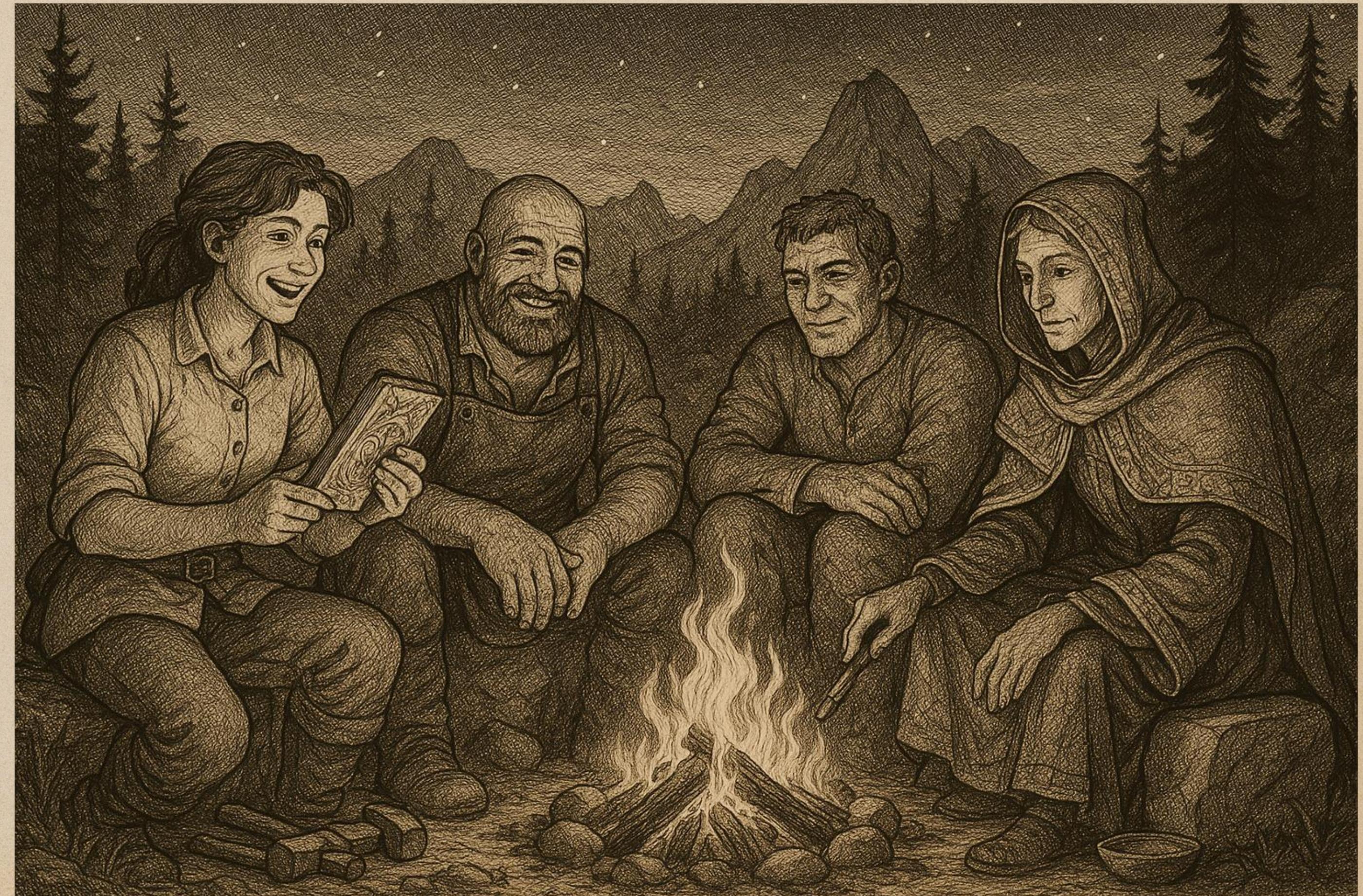


The Art of Water Wielding

...Hana was able to reveal special knowledge on how to engineer even greater and more powerful ways to leverage water...

The Journey Begins

...they would share stories
and their knowledge as
they shared a meal
around the fire...



Wolf!

...Looking it in the eye, it ferociously stared back at her, snarling and drooling...





They Finally Arrive

...and before them rose up the wondrous city of Sefranha, grander than they ever had imagined...

The Ghostly Mystery

...Sophie ventured down the spiral staircase
into the dark dank basement...



~ The End ~



There's More than Clean Core

- Clean Core:
Stick to the API's
- Clean Code:
Shift to the Left

What is a clean core strategy?

An ERP clean core strategy helps your organization ensure that business-critical systems remain agile, cost-effective, and ready to adopt innovation.

<https://www.sap.com/products/erp/rise/methodology/clean-core.html>

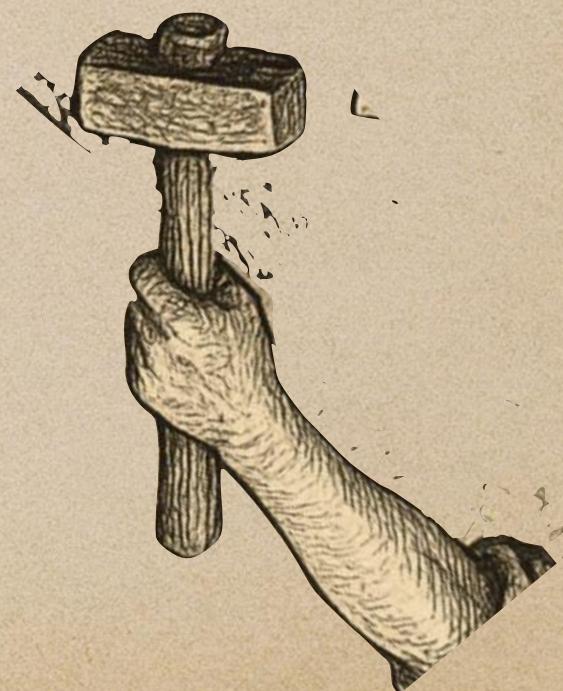
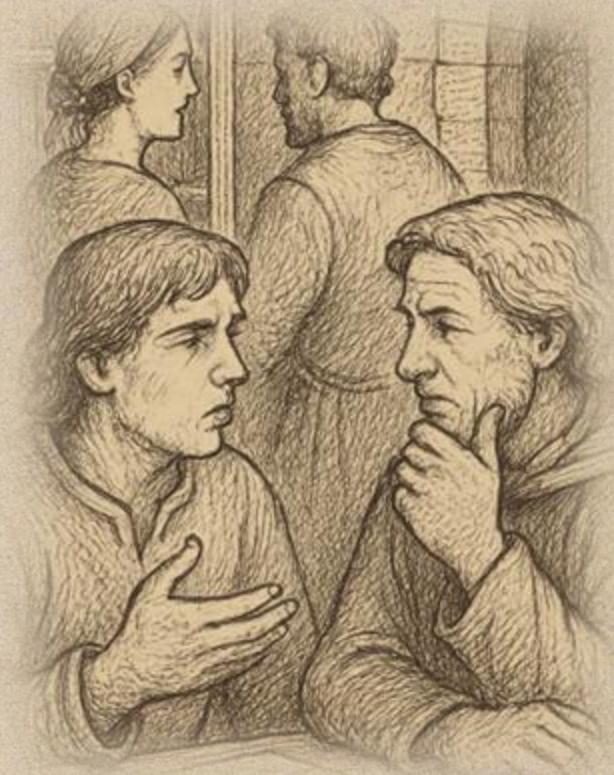
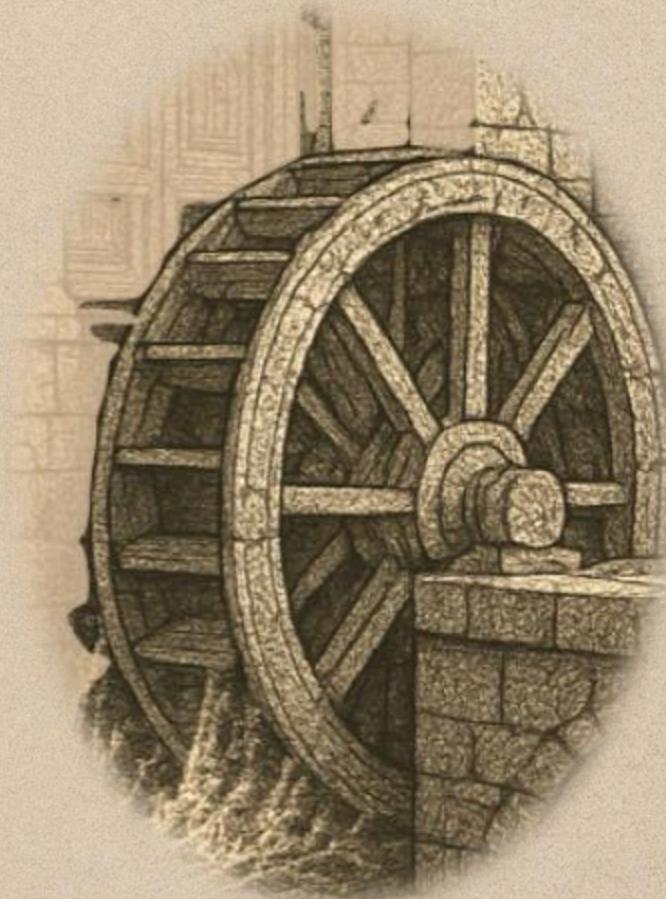
Shifting Left

Shifting left is all about facing your problems early, it's not removing pain, it's moving it up-front and reducing the net impact

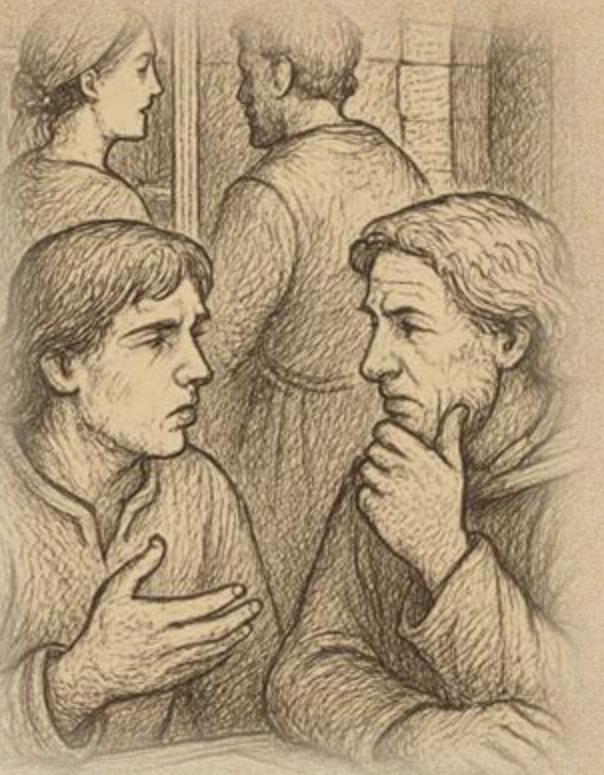
How do we do this in the ABAP world?

Shifting Left

- Culture
- Process
- Tools



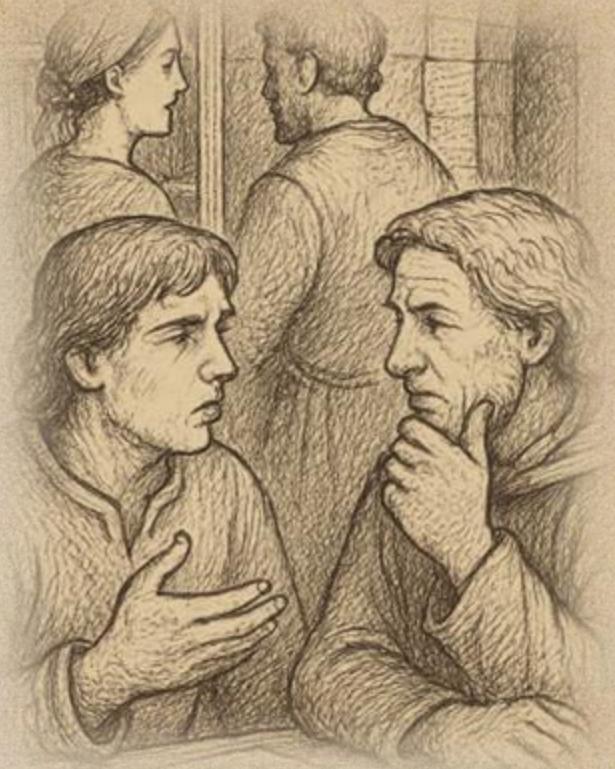
Culture



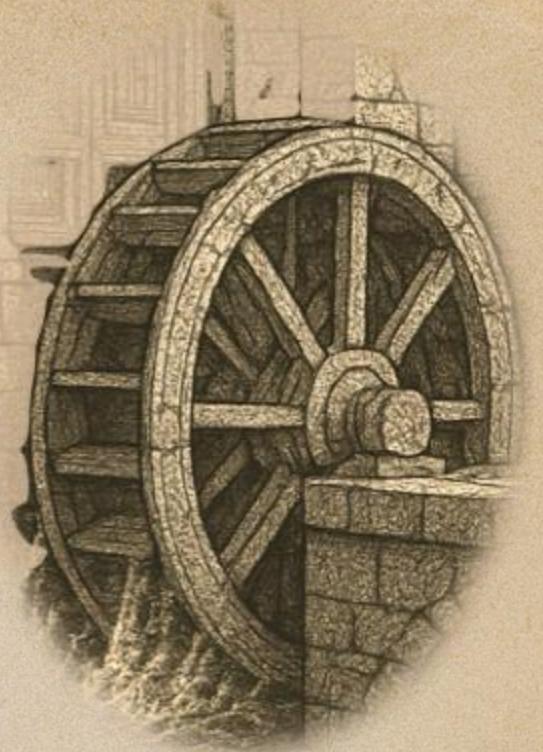
- Design
- Get everyone on the journey
- Understand technical debt
- Understanding Agility

Culture

- Build
- Break silos
- Prepare entire team with knowledge of options
- Adopt common code standards
- Deploy
- Smaller and more often



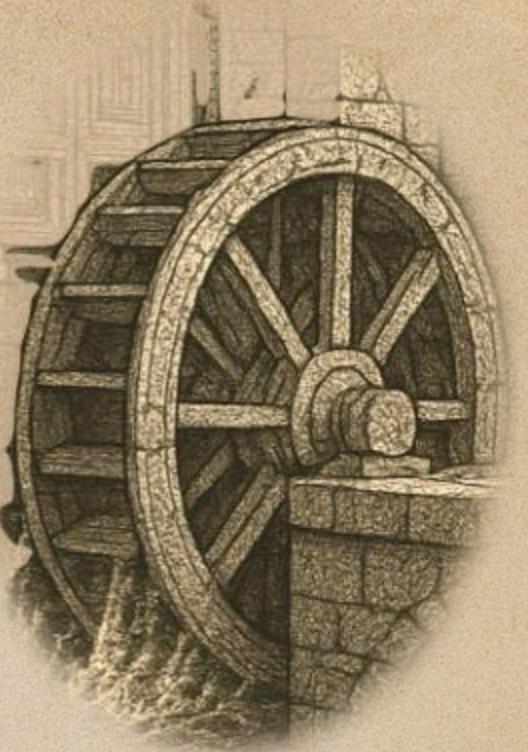
Process



Design

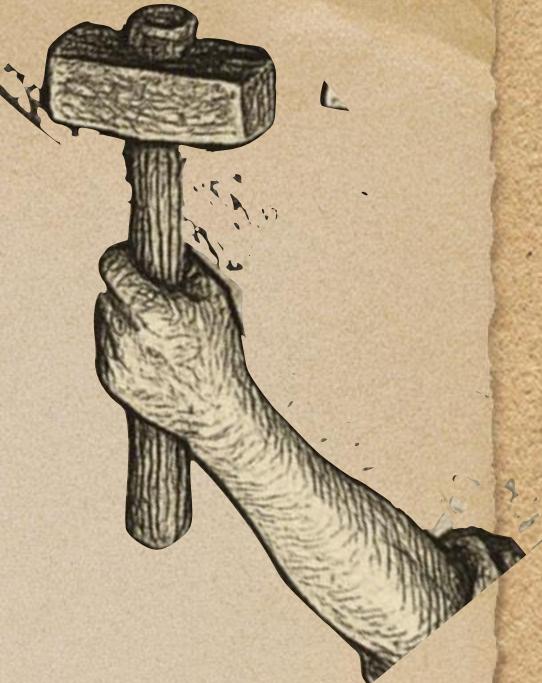
- Make sure you have the true problem (5 whys, acceptance criteria)
- Assess extension needs & options
- Implement your code standards

Process



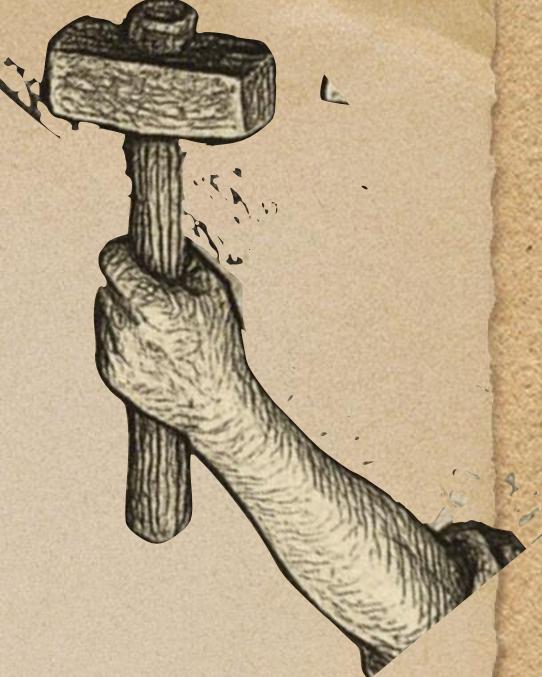
- . Build
 - . Determine what is critical and do it as early as possible
- . Write Tests
- . Follow conventions
- . Deploy
- . Ensure control what has been decided

Tools



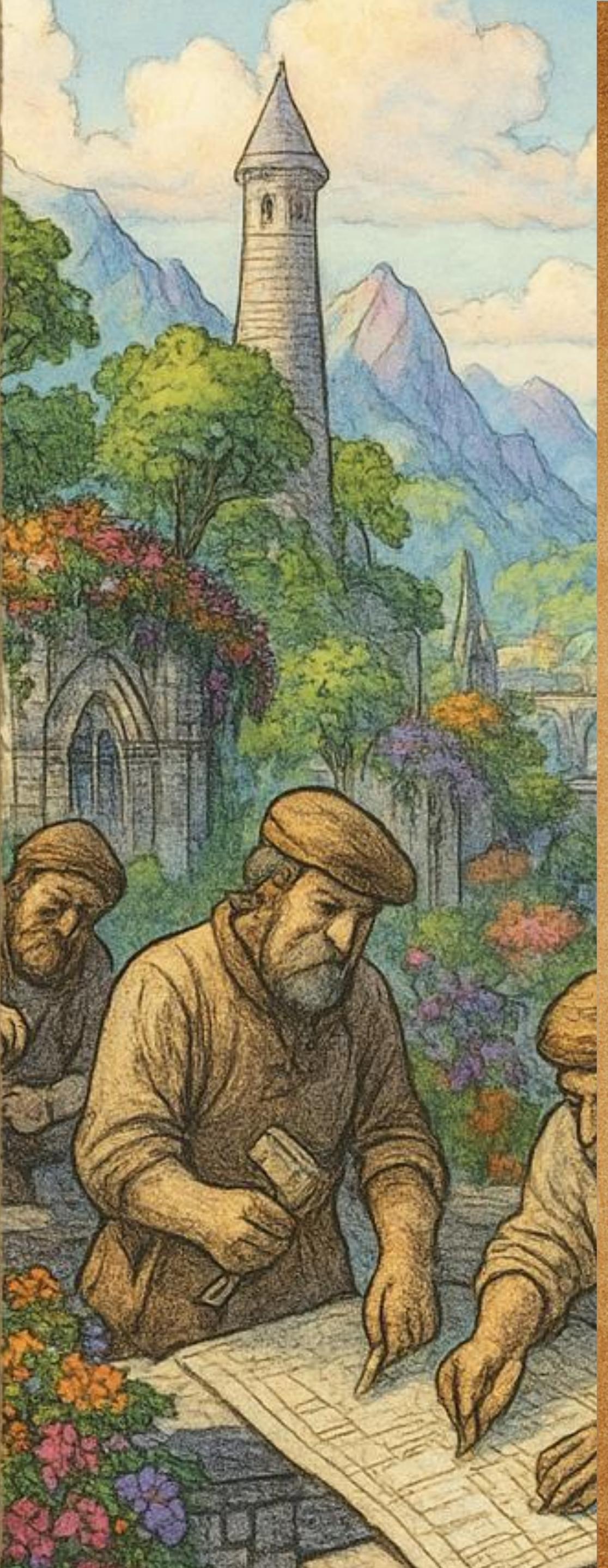
- Design
- SAP Application Extension Methodology
- Build
- ABAP Code Cleaner
- ABAP Unit
- Code Review tool? - checklists

Tools



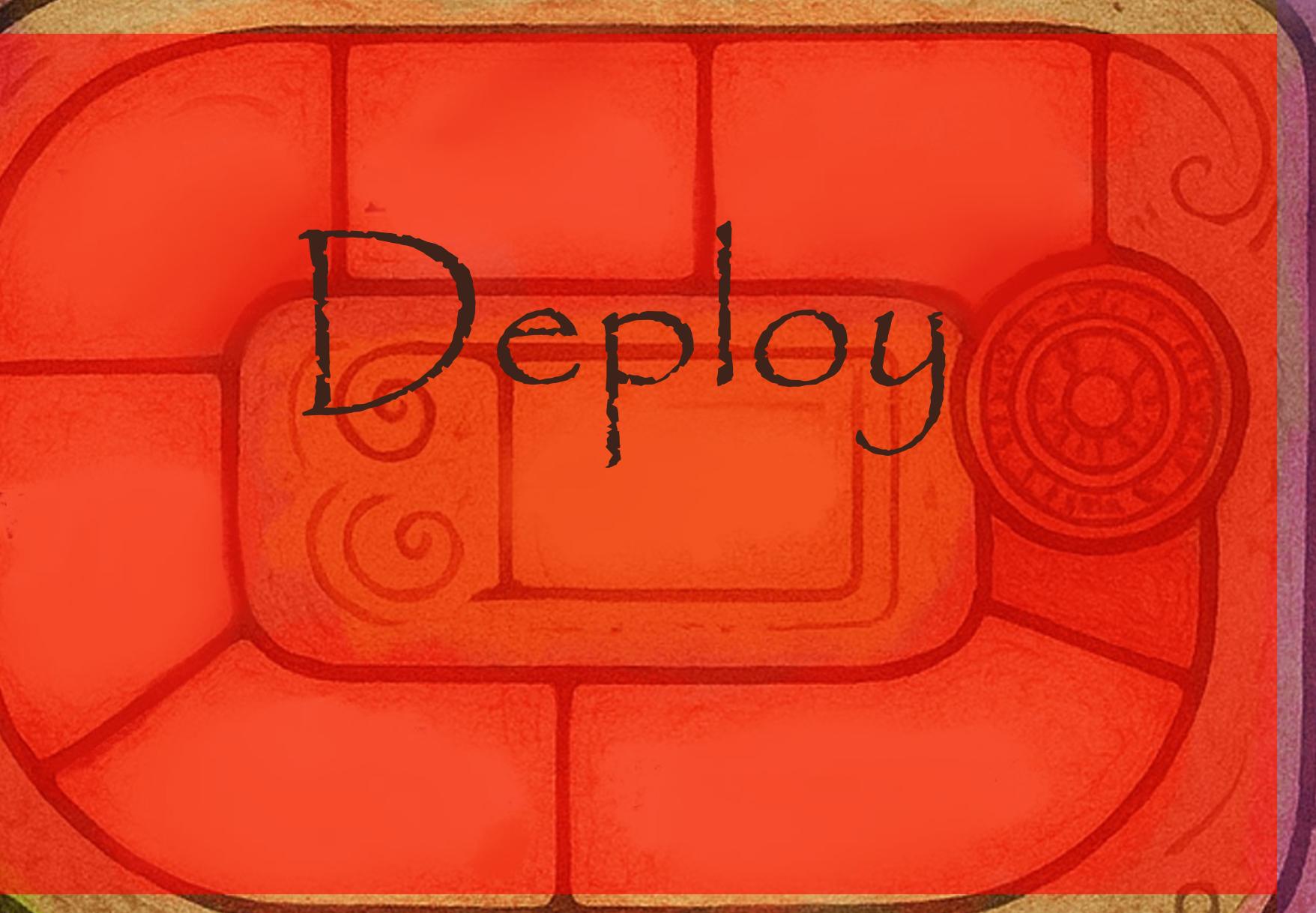
- . Deploy
- . ATC (Code Pal & S/4 Readiness)
- . You can use Rev-Trac to take things to the next level:
- . = Fritz =





Find Revelation

Build

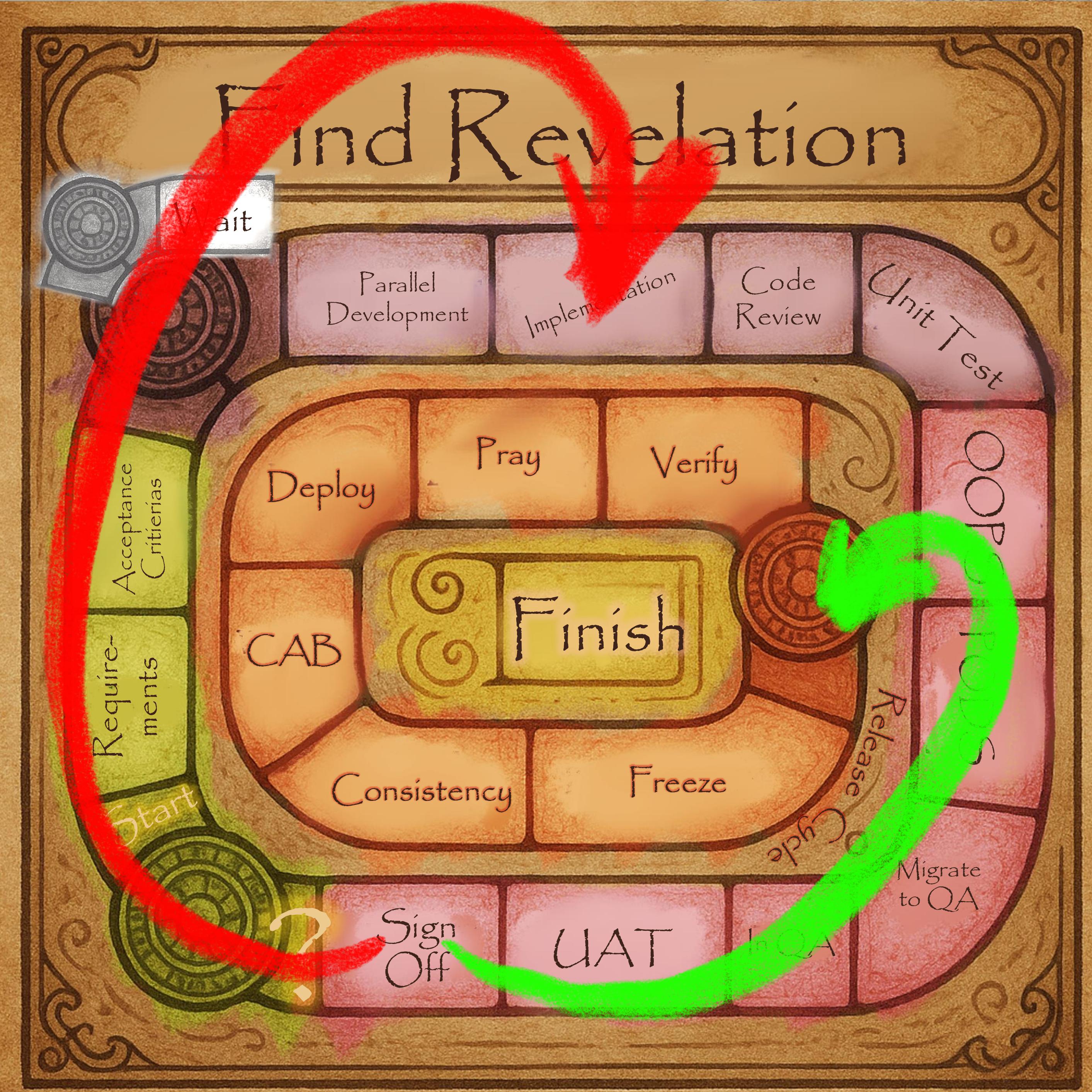
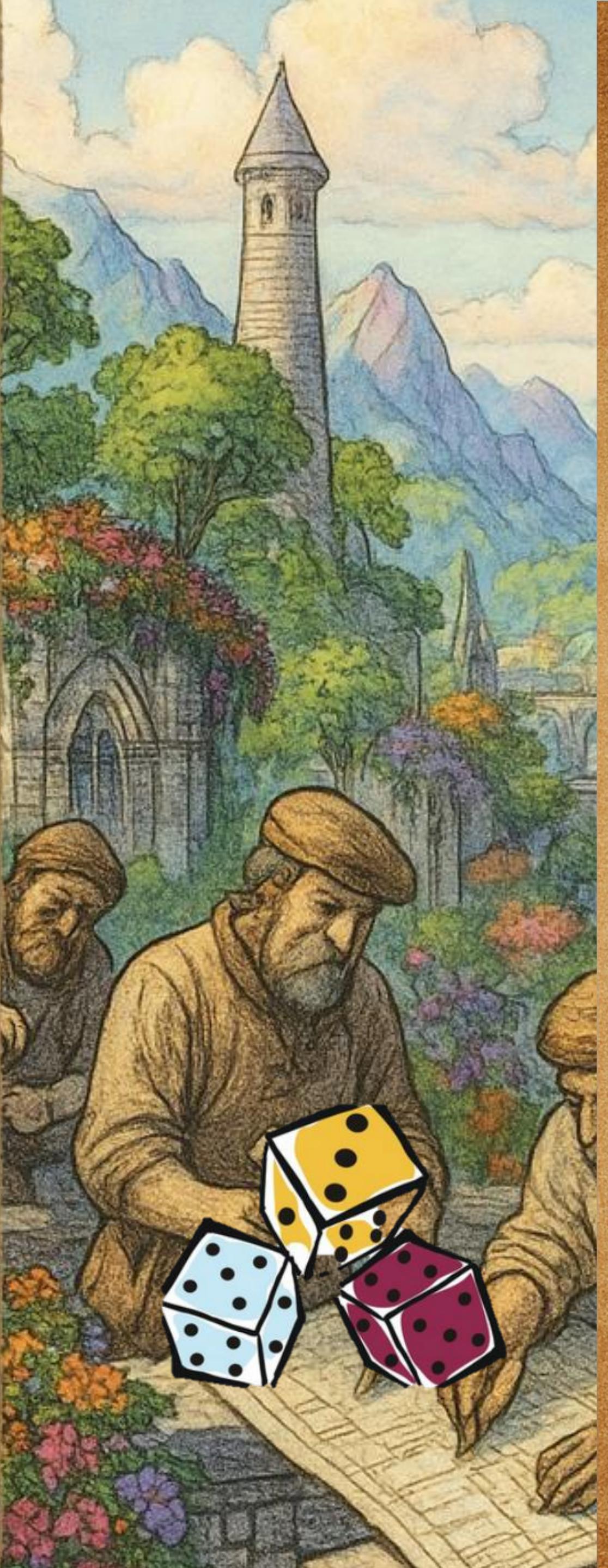


Deploy

Design

Build

Deploy



Design

Build

Deploy

Culture

Everyone
Investment
Agility

Break Silos
New approaches
Clean Code
Standards

Often

Process

Acceptance
Criteria
Code Standards

Automated Tests

Automated
Checks

Tools

App. Ext.
Methodology

Code Cleaner
ABAP Unit
(mocks)

ATC (Code Pal)
Rev-Trac

Discussion/Questions



Resources & Credits

Tools:

[ABAP Cleaner on GitHub](#)

[Clean ABAP Styleguide on GitHub](#)

[Tools for Clean ABAP Devtoberfest presentation](#) by Bjoern Jueliger and Joerg-Michael Grassau

[ABAP Unit](#)

[Dependency Mocking](#)

[SQL Test doubles](#)

Resources & Credits

Data Driven ABAP Unit:

- ABAP Conf 2022 Presentation by Timo John
- Mockup loader project: https://github.com/sbcgua/mockup_loader

Extensibility:

SAP Application Extension Methodology

Blog post: [SAP S/4HANA Extensibility Options For Clean Core Journey](#)

Resources & Credits

Other Reading:

The Mythical Man Month: Fred Brooks (1975) - 'ancient' wisdom on

. Dependency inversion - for better code design and testability

. SAP Curated Sources for Domain Driven Design - methods for custom solution design

. Technical Debt Post by Martin Fowler

Images by Chat GPT, story by Ben

Board game by Fritz

AI image bloopers

