

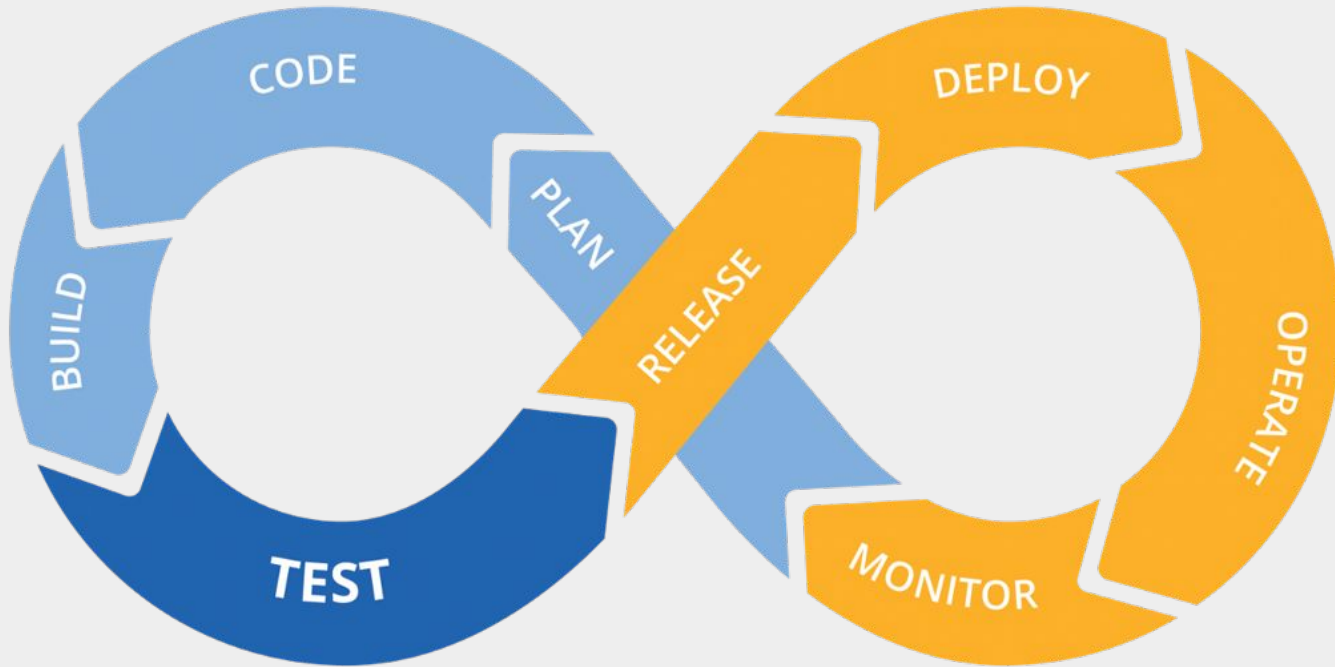
Making an On Premise ABAP CI/CD with Github Actions



Ready to release a new update?

- Avoid breaking changes
- Easy update for end users/automatic deploy to a set of targets
- Guarantee business continuity

What's the solution?



What's the solution?

Example tools



What about ABAP?

What's the solution for ABAP?

CODE

BUILD

TEST

RELEASE

DEPLOY





Open Source
Community
to the rescue!

<https://dotabap.org/>

What's the solution for ABAP?

Example tools



ATC



unittest

ADASH



AbapGit & TRM.. same thing?



Development stage

Serialize/deserialize development
objects

Used with SAP GUI

Git repository



Release/install stage

Packs development objects into
transport requests

Used with CLI

TRM repository

Can work as standalone

Open source projects

Good integration in a CI/CD environment

Later, on this demo...

Landscape

Internal systems

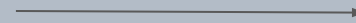


Central Development
System
A4H

Customer target systems



Target Development
System 1
RST

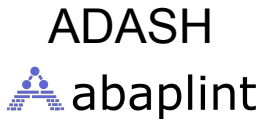


Quality
RGD

Later, on this demo...



I've added a feature to my application in the **central development system** (A4H) and I want to update all of the customers with the latest release.



I make sure my changes aren't breaking any other feature and that my code is compliant with the project guidelines.

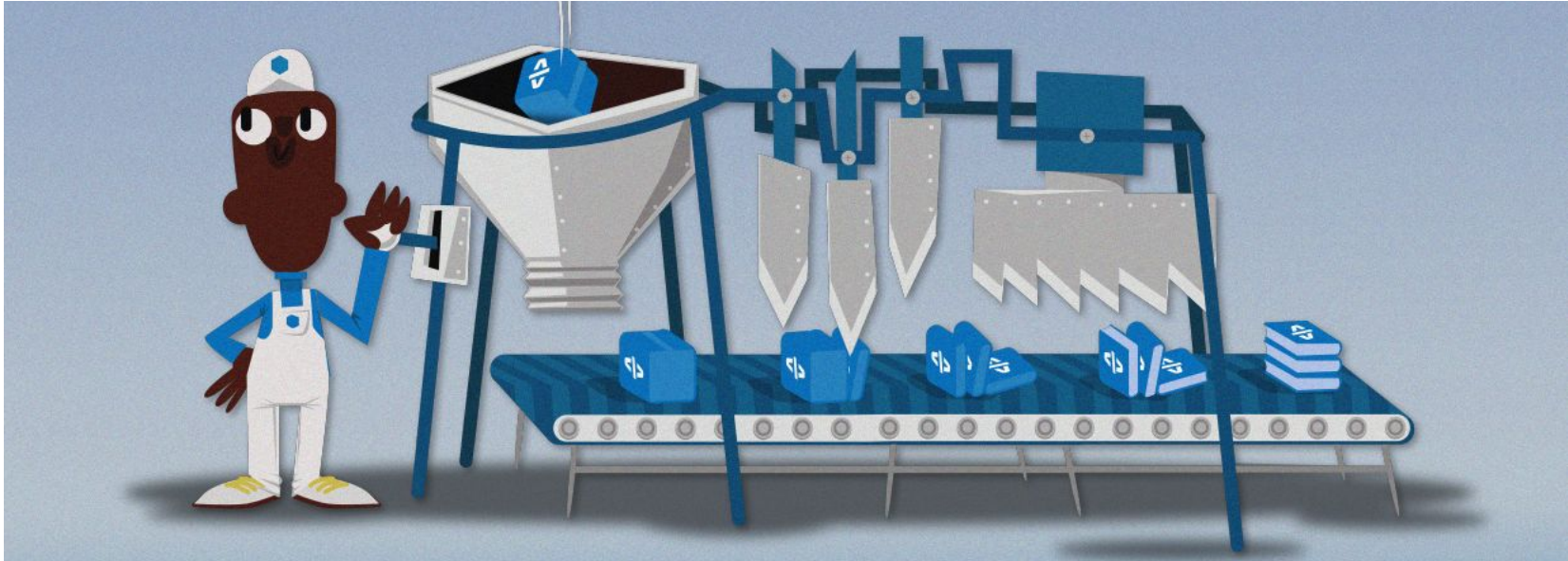


I deploy my release into a registry; this allows me to have the release versioned and ready to install whenever I need it.

I will also automatically update/install the release on a selection of customer systems.

Common use cases

- Deploy a library update shared on multiple customer systems
- Keep track of what version is installed on each of your target systems
- Have a library ready to install on any customer system
 - Guarantees with a specific version installed
 - Make the upgrade procedure a new standard



DEMO!

If you want to learn more about the topic...

- Blog post <https://community.sap.com/t5/application-development-discussions/making-an-onpremise-abap-ci-cd-with-github-actions/m-p/13884171>
- abapGit <https://abapgit.org>
- abapLint <https://abaplint.org>
- ADASH <https://github.com/xinitrc86/adash-cli>
- TRM (Transport Request Manager) <https://docs.trmregistry.com>
- NUVE <https://www.nuveplatform.com>
- Demo repository <https://github.com/RegestaItalia/abapconf2024>

Thanks to



<https://www.regestaitalia.eu>



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