Enterprise Policy as Code (EPAC)
Managing Azure Policy in a DevOps way

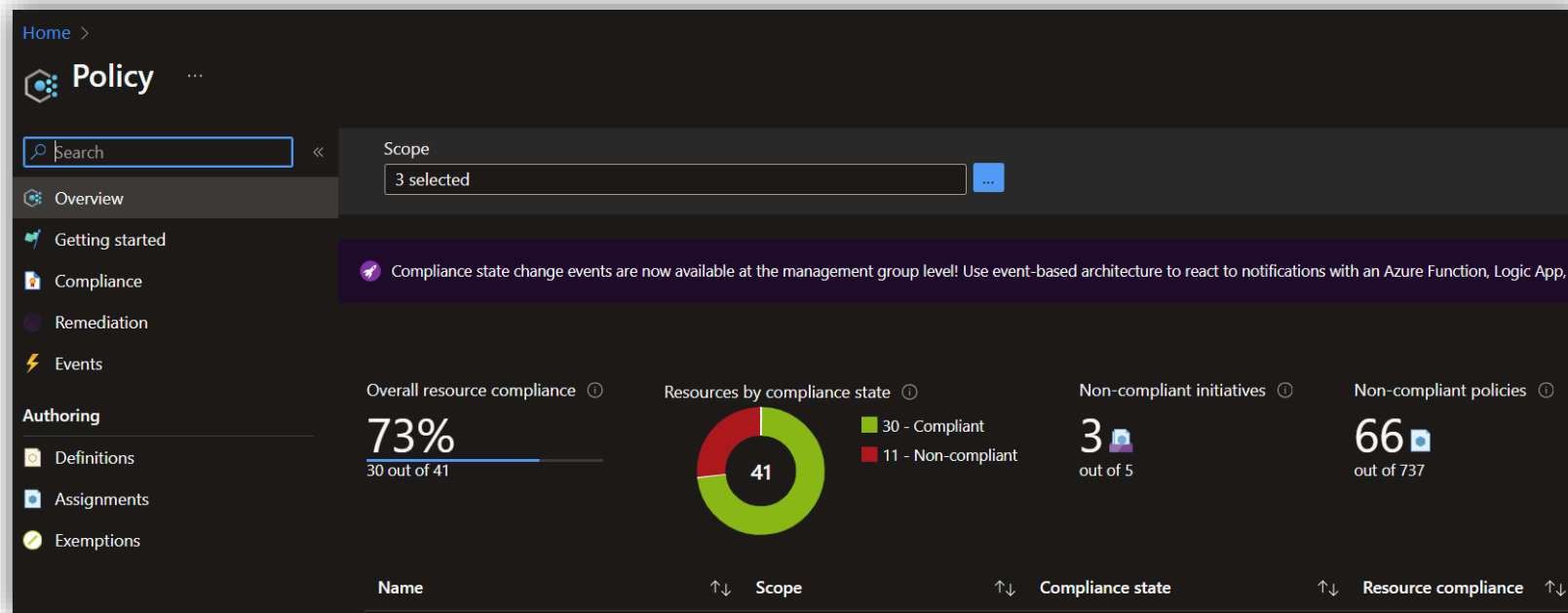Bastiaan Wassenaar – 18.04.2024
Global Azure - Bergen

Agenda

- Azure Policy
- Road to EPAC
- Enterprise Policy as Code (EPAC)
- Desired State strategy
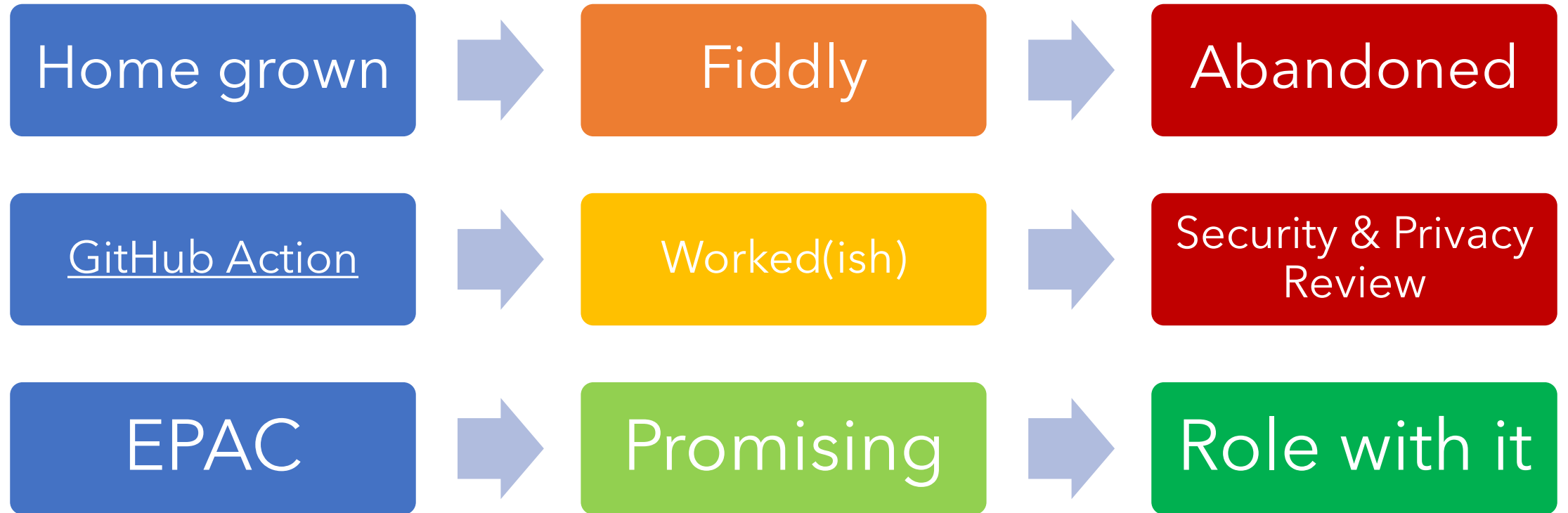- Getting Started
- EPAC & Landing Zones
- Implementation

Azure Policy

"Azure Policy helps to enforce organizational standards and to assess compliance at-scale."

Road to EPAC

Home grown	Fiddly	Abandoned
GitHub Action	Worked(ish)	Security & Privacy Review
EPAC	Promising	Role with it

Enterprise Policy as Code (EPAC)

*"**Enterprise Azure Policy as Code** (EPAC for short) is a number of **PowerShell scripts** which can be used in CI/CD based system or a semi-automated use to **deploy Policies**, **Policy Sets**, **Policy Assignments**, **Policy Exemptions** and **Role Assignments**. It also contains operational scripts to simplify operational tasks."*

Source: https://azure.github.io/enterprise-azure-policy-as-code/

Desired State Strategy

[Desired State - Enterprise Policy As Code (EPAC) (azure.github.io)](#)

Getting Started

- Install the needed Powershell modules
- Creating the global-settings.jsonc file
- Export our existing environment
- Add a policy definition to EPAC
- How assignments work

Azure Landing Zones

- [ALZ Policy Integration - Enterprise Policy As Code (EPAC) (azure.github.io)](azure.github.io)
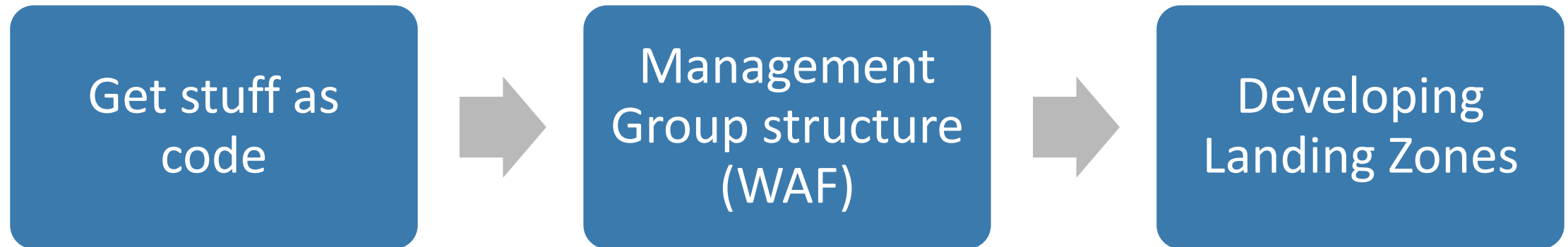
Implementation

- Handle with care, think/check twice.

- Team up with 2-3 people if possible.

- Technical stuff is one thing, but make the process work for your team/organization.

- Risk & Compliance want to be friends with you.

Process Example: Existing Environment + Landing Zones

Get stuff as code

Management Group structure (WAF)

Developing Landing Zones

Thanks / Takk / Bedankt

Global Azure - AUGN, Bergen