Azure Enterprise Policy as Code (EPAC)

mvpdagen.no

Hei!

Eg er Bastiaan

Eg er her fordi Lasse og Julian spurte meg...

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AkerBP

Working with Azure Policy?

Boring ✓

Complex ✓

Risky ✓

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Agenda

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

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“Azure Policy helps to **enforce** organizational standards and to assess **compliance** at-scale.”

Source: https://learn.microsoft.com/en-us/azure/governance/policy/overview

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Azure Policy

- Portal
- Azadvertizer.net

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Road to EPAC

Manual management via Portal

Finding other solutions

When you find 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/

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EPAC

- Open Source
- Managed by Microsoft
- “This is the way”
- No forking! Just some Powershell.

Getting Started

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```
{
    "$schema": "https://raw.githubusercontent.com/Azure/enterprise-azure-policy-as-code/main/Schemas/global-settings-schema.
    "pacOwnerId": "57cac3d7-d22c-48b3-adf9-d5f9d904a124",
    "telemetryOptOut": false,
    "pacEnvironments": [
        {
            "pacSelector": "wincit-prod",
            "cloud": "AzureCloud",
            "tenantId": "af87154d-b256-4cfb-86ff-4e192d1ebbbb",
            "deploymentRootScope": "/providers/Microsoft.Management/managementGroups/af87154d-b256-4cfb-86ff-4e192d1ebbbb",
            "desiredState": {
                "strategy": "ownedOnly",
                "keepDfcSecurityAssignments": true
            },
            "managedIdentityLocation": "norwayeast",
            "globalNotScopes": [
                "/subscriptions/*/resourceGroups/synapseworkspace-managedrg-*",
                "/subscriptions/*/resourceGroups/managed-rg-*"
            ]
        }
    ]
}
```

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Desired State Strategy

App Registration & Service Principal Setup

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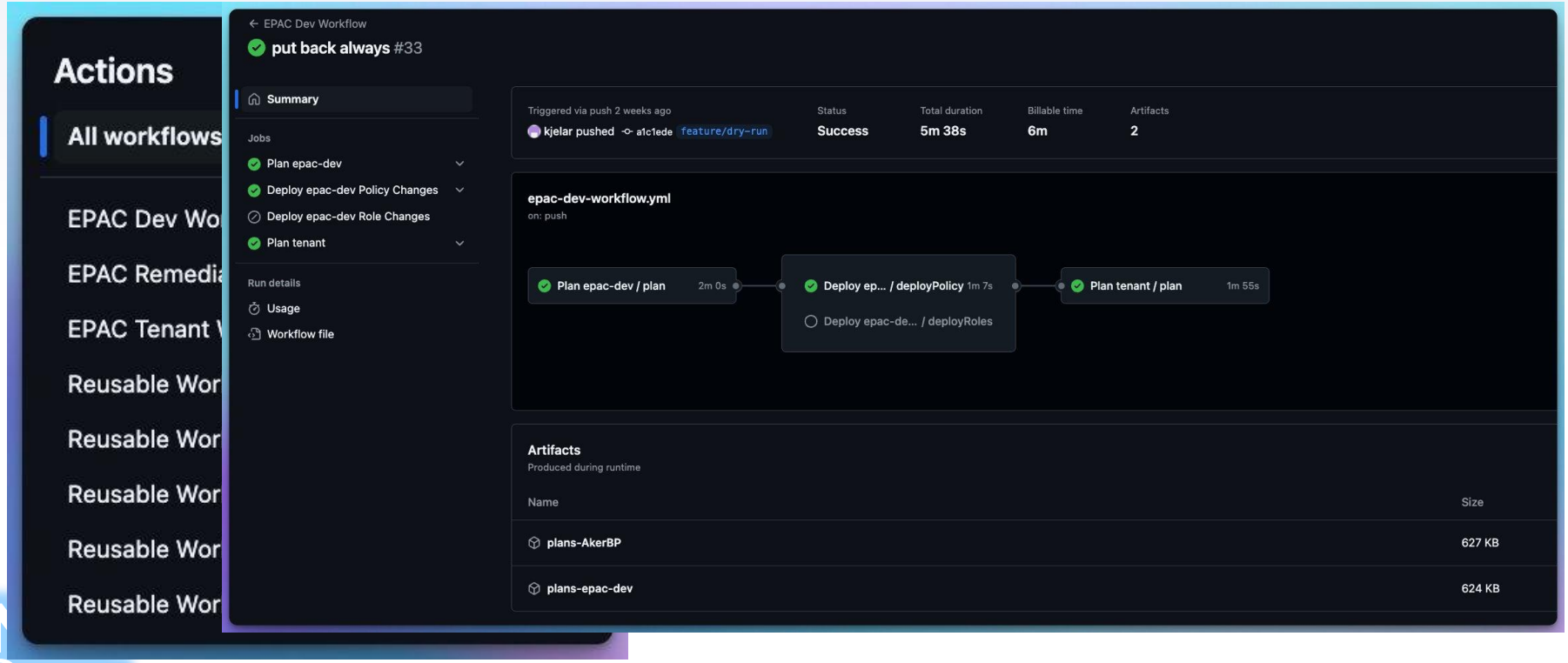
Demo EPAC & Landing Zones
UR
POSITION
NORMAL
60
A
B

CI/CD Pipelines



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Implementing EPAC

Think Twice

Handle with care.

Take small steps.

Get familiar with the system.

#Marketing

If this is the “next step” make sure you make it known in your organization. Security & Governance are your friends.

Team up

Don’t do this alone. 2 or 3 people at least.

Process first

Technical stuff is fun. But figure out the process. How do you and your organization want to work?

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Takk!

Spørsmål?

Du finner meg på LinkedIn.