Multi-Cloud Deployments with GitHub Actions

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Project Background

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Existing setup

- Monolith 1 – Azure WebApps
  - SUGCON Events
  - SUGCON ANZ

- Monolith 2 – AKS
  - MVP Site – including application
  - SUGCON EU

Target setup

- One set of infrastructure powered by XM Cloud
    - All SUGCON sites
    - All MVP functionality

- Migration complete to our target "long-term architecture"

Deployment flow

High-level architecture
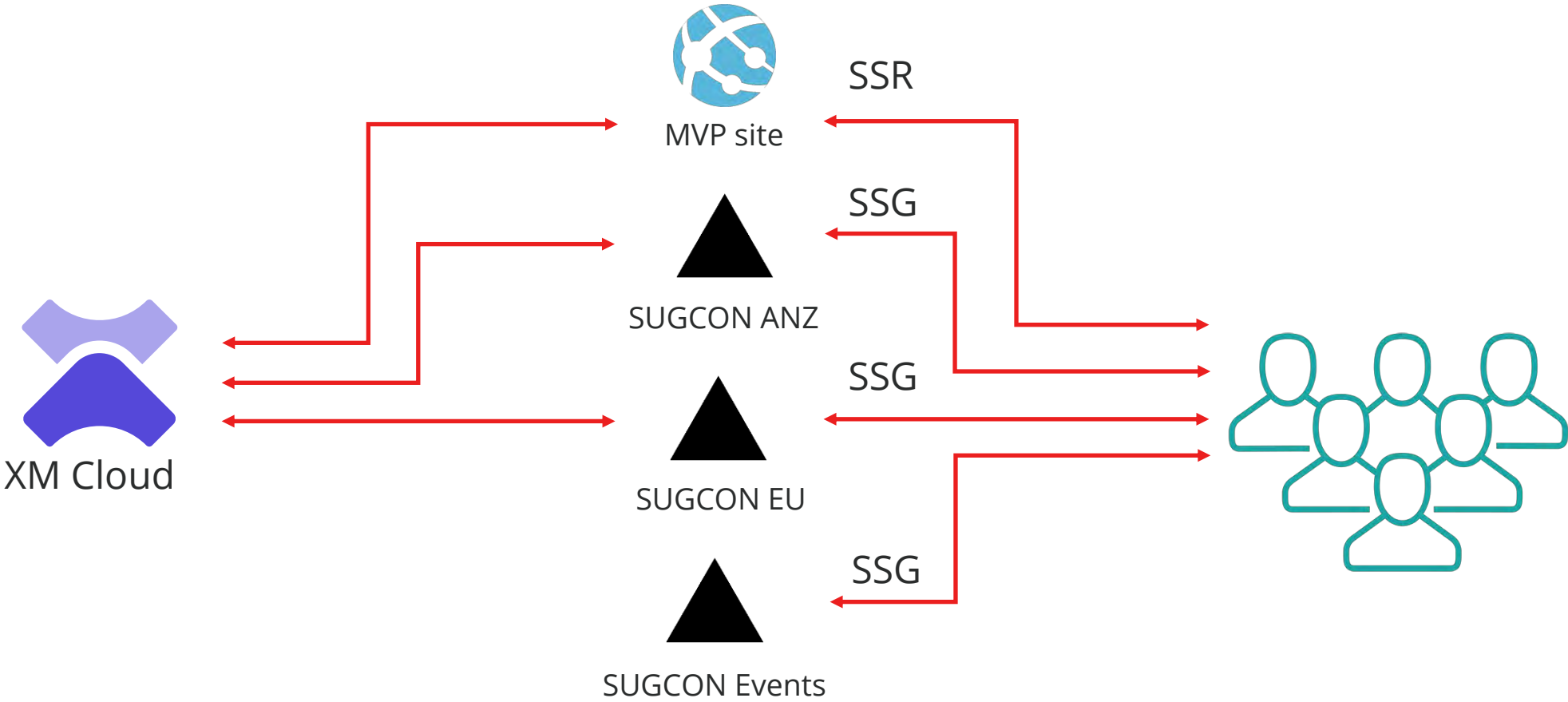
SSG: Static Site Generation

SSR: Server-Side Rendering

CI/CD configuration

- Built using GitHub actions

- Started with single pipeline — too inefficient!

- Split pipeline out by target system
  - *CI-CD_XM_Cloud.yml*
  - *CI-CD_MVP.yml*
  - *CI-CD_SUGCON_EU.yml*
  - *CI-CD_SUGCON_ANZ.yml*

- Reusable workflows for common actions

Conclusions
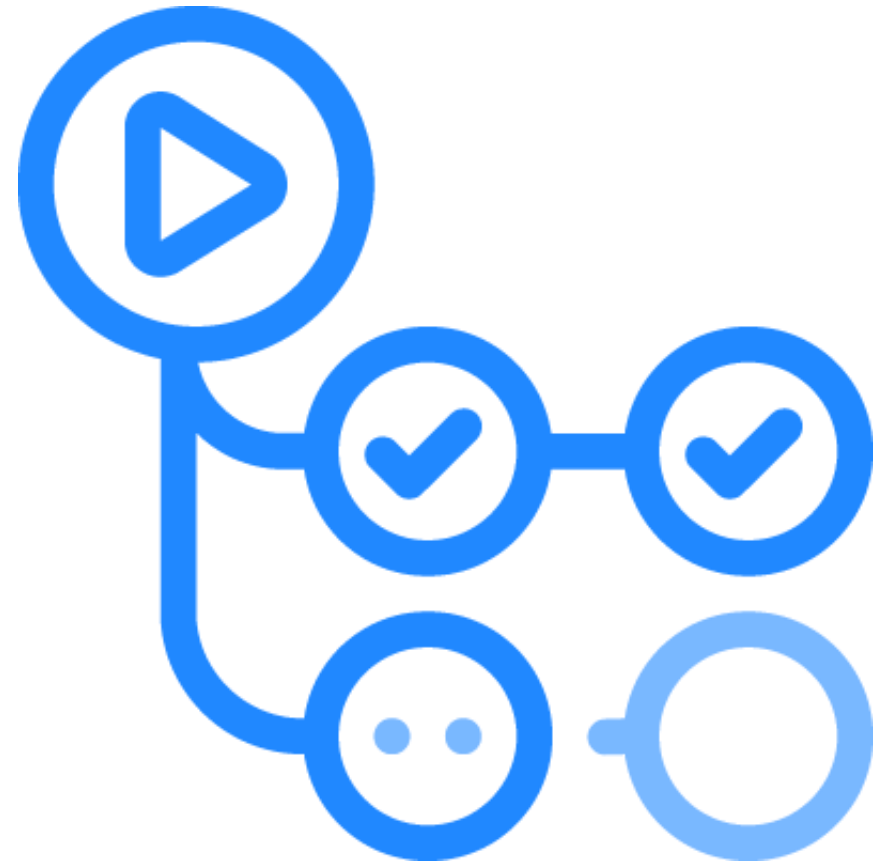
- GitHub Actions is super flexible!

- Code reuse in your templates matters!

- Checkout our repository to see it in action
  - https://github.com/Sitecore/XM-Cloud-Introduction

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Thank you

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