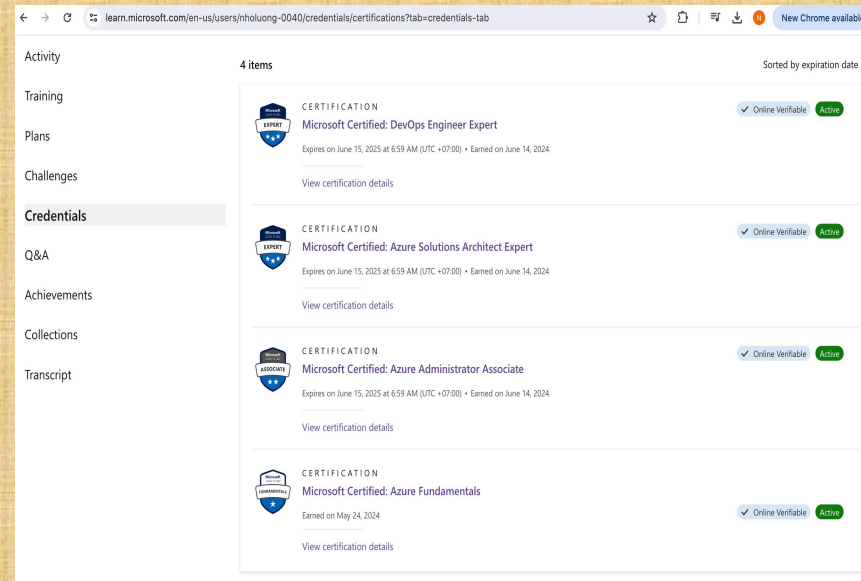
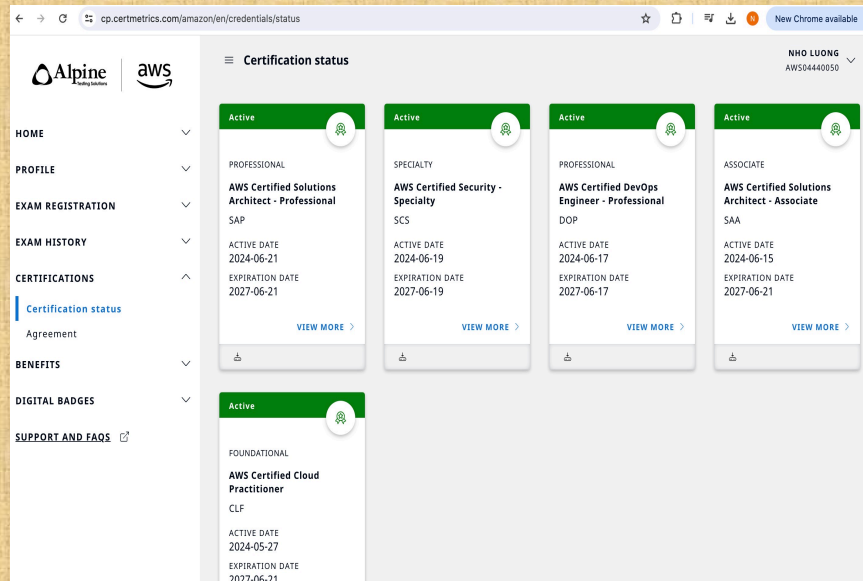


Migrating from Azure DevOps Releases to Multi-stage YAML

Author: Nho Luong

Skill: DevOps Engineer Lead



A brief history of Microsoft DevOps build solutions...



No out
the box
build
solution

Team
Build

XAML
Builds

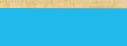
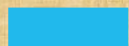
Microsoft
buy
InCycle's
InRelease

Cross
Platform
Builds

Cross
Platform
Release

YAML

Multi Stage
YAML



2005

2008

2010

2013

2015

2017

2020

Visual Studio
Visual Studio Code
Azure DevOps
Subscriptions
Build your own
Publish extensions

fennell

12 Results
Showing: All categories
Hosted On: Any
Price: Any
Certification: Any
Sort By: Relevance

Generate Release Notes
Richard Fennell (Blog) 9.3K

Generates a Markdown Release notes file.

★★★★★ FREE

Pester Test Runner Build
Richard Fennell (Blog) 2.8K

Task now deprecated. Please use the official Pester org task instead....

★★★★★ FREE

Manifest Versioning Build
Richard Fennell (Blog) 4.1K

Applies a version to various formats of manifest files based on the build number.

★★★★★ FREE

File Utilities Build Task
Richard Fennell (Blog) 462

Set of tasks perform file copy actions.

★★★★★ FREE

(deprecated) StyleCop
Richard Fennell (Blog) 2K

(deprecated) Run tests StyleCop using settings files in the project folders. Using...

★★★★★ FREE

Generate Release Notes
Richard Fennell (Blog) 2.8K

Generates a Markdown Release notes file.

★★★★★ FREE

Build Updating Tasks
Richard Fennell (Blog) 640

A set of tasks that update VSTS Builds and Releases.

★★★★★ FREE

YAML Documentation
Richard Fennell (Blog) 147

A task that generates YAML documentation for an Azure DevOps Extension.

★★★★★ FREE

WIKI Updater Tasks
Richard Fennell (Blog) 1.2K

Set of tasks update Git based WIKIs.

★★★★★ FREE

DevTest Lab Tasks
Richard Fennell (Blog) 228

A set of tasks that control DevTest Labs.

★★★★★ FREE

ArtifactDescription Task
Richard Fennell (Blog) 12

Set of tasks to get details of build artifacts.

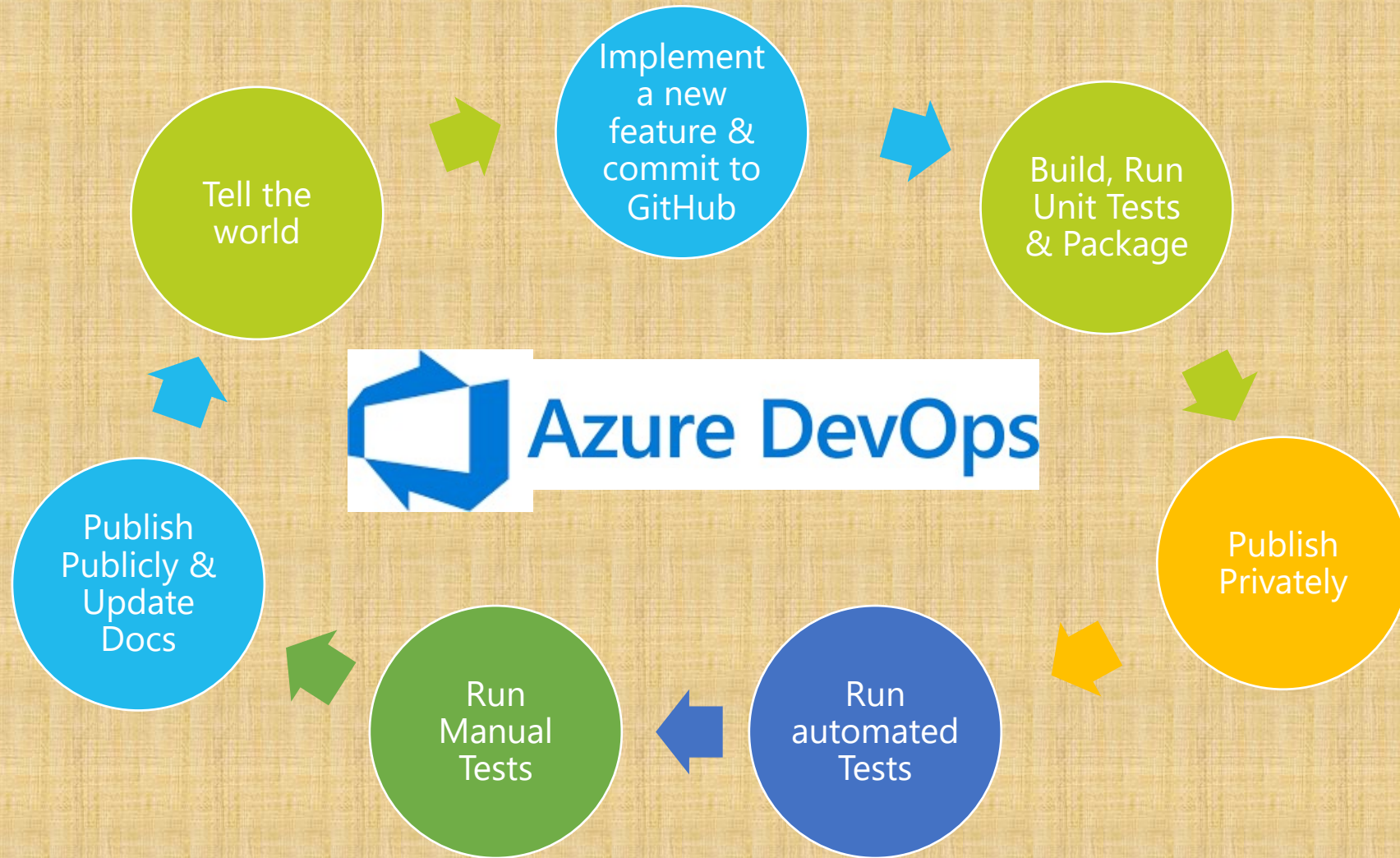
★★★★★ FREE

Azure DevOps Service
Richard Fennell (Blog) 220

A WebAPI based website and framework to allows the scripting of responses to...

★★★★★ FREE

What DevOps process do I need?



What Azure DevOps features might I use?

Previous - Build & Release

- Build (Originally UI, then YAML)
- Release
- Task Groups
- Variables & Variable Groups
- Release Gate
- Manual Approval

Going Forward - Multi Stage YAML

- Multi Stage YAML
- Multi Stage YAML
- YAML Templates & Decorators
- Variables & Variable Groups
- Environment Checks & Approvals
- Environment Checks & Approvals

Summary

- Multi Stage YAML appears to be the future.
- Some features are missing, but you can work around these limitations
- Key advantage is the whole CI/CD process is under source control.
- There is good reuse and enforcement via templates & decorators
- Migration is 'fiddly' but not hard.
- Recommend that you use Multistage YAML for new projects
- and maybe for old, but don't rush to swap if what you have works



Thank You