Tanzu Cloud Native webinars

Making life simpler for your developers, with a portal

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Agenda

- Accelerators the easy way to production
- Documentation and how to access / update it.
- Exposing and consuming API's within the business
- Building containers a smarter way
- Avoiding pipeline sprawl
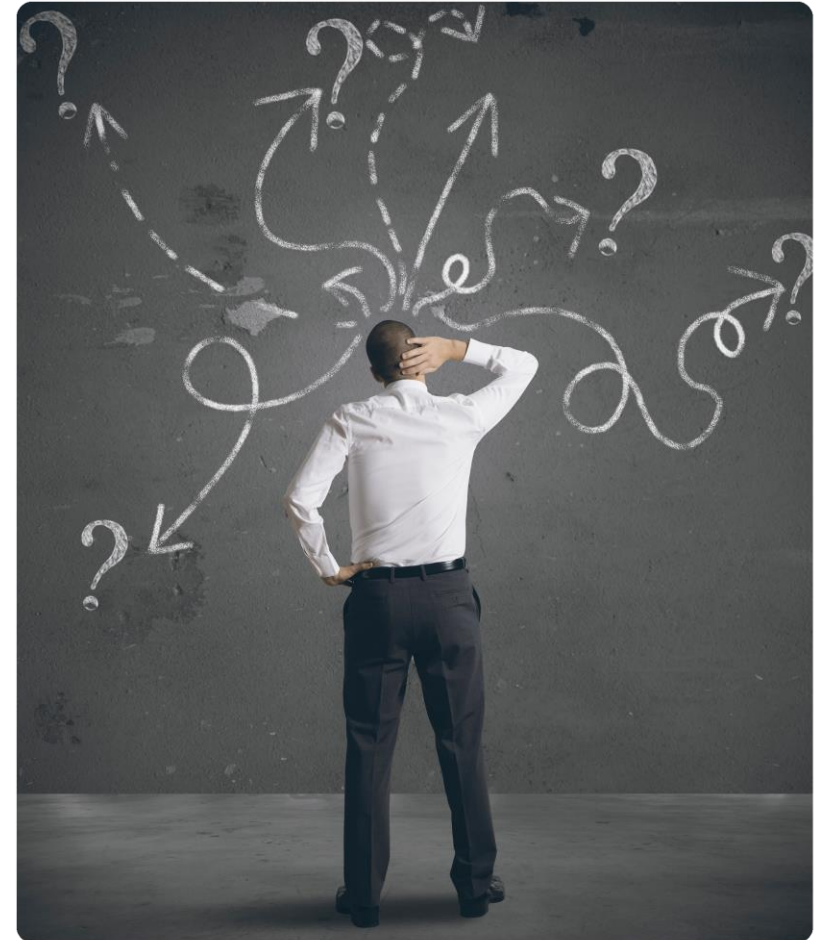- Security overview and guardrails

The purpose of this Webinar

Is to give an introduction to Cloud Native concepts and technologies.

We start with the basics, and try to take it to the next level.

Questions : Please use the Q/A function. We will look at them In the end.

What is a Developer Portal ?

A developer portal = one frontend for your entire infrastructure

Unifies all your tooling, services, apps, data, and docs with a single, consistent UI

Makes sense of everything in your ecosystem, regardless of how and where individual components are running

Let developers focus on what they do best (leading to much less activity in #aaargh Slack channel)
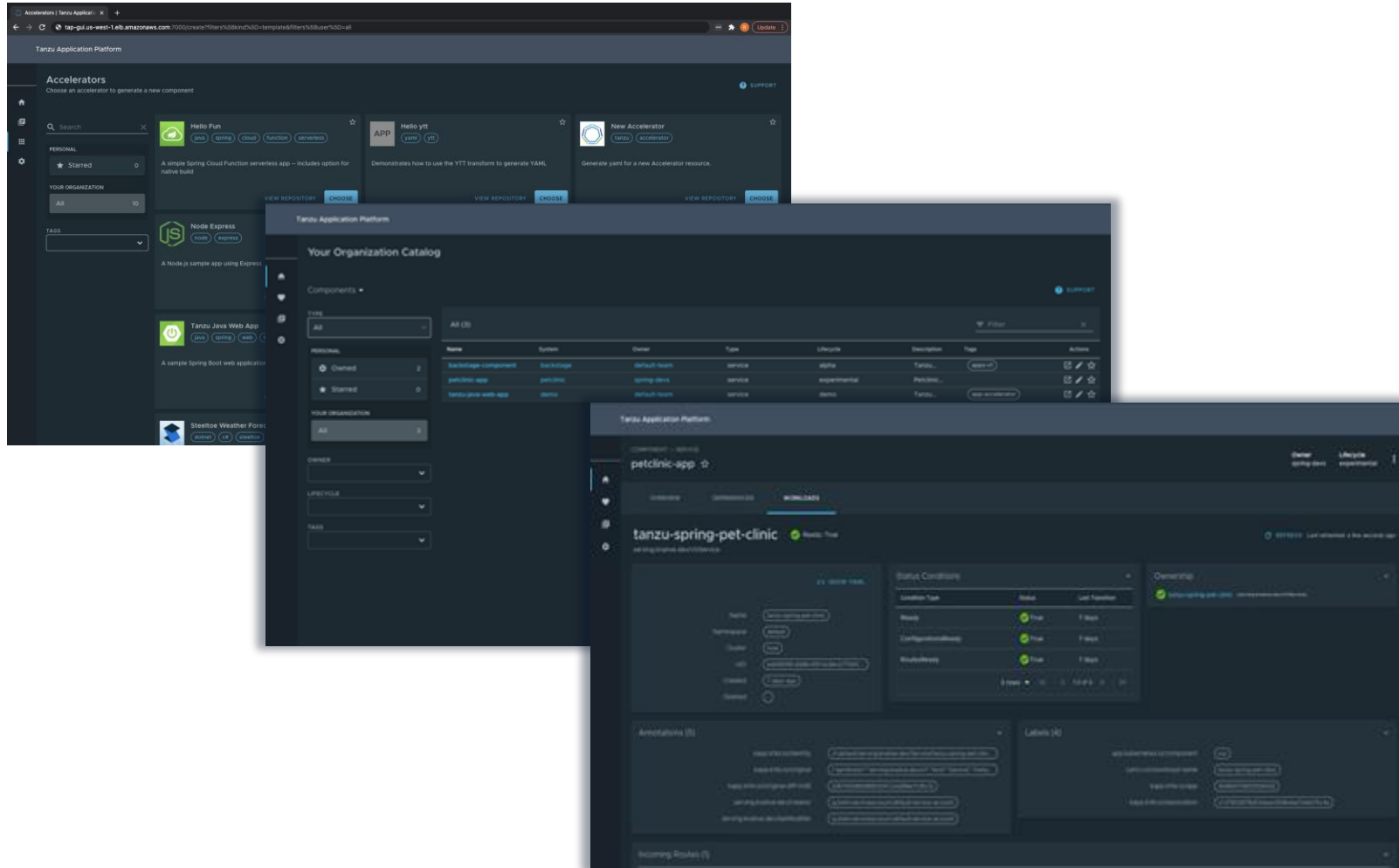
NerdOut Podcast
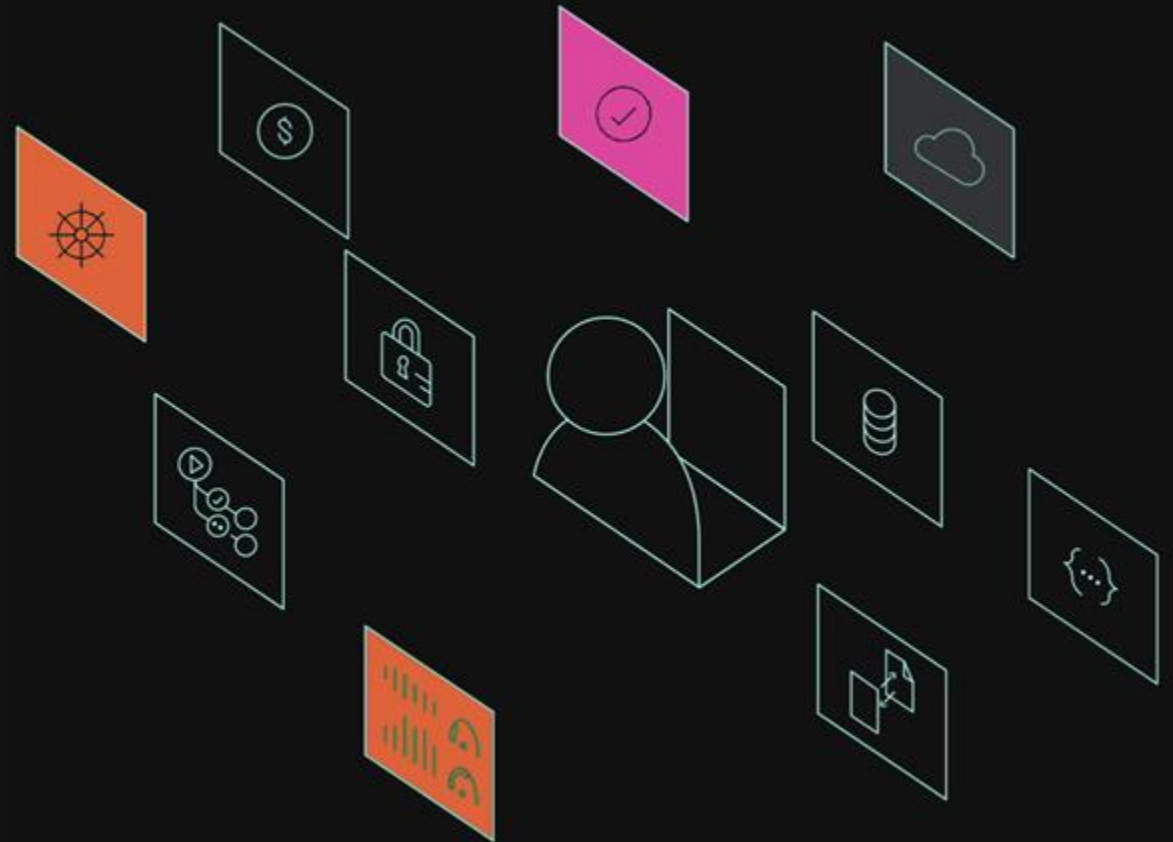
Tanzu Application Platform (TAP)

Based on Backstage, but with it's own opinions (and focus)

Backstage

Pre installed with

➢ Docs

➢ Accelerators

➢ API's

➢ Supply Chain

➢ Security Analytics

Only runs on K8S

Documentation

- Based on Mkdocs

- Written in markdown

- Documentation & Code in same repo.

- Build when you push(sort of)

API

- Based on OpenAPI

- Auto updated with app

- Dependencies

- Internal / External Api's

- Swagger interface

Application Accelerators

- Templates for Apps, Baselines etc.

- Can be "anything"

- Takes input

- Customizable using Sed, YTT, etc.

Supply Chain

- Supply Chain UI
- CVE info
- Test info
- Overview

Security Analysis

Security Analysis
An analysis of vulnerabilities discovered in workload builds

Vulnerabilities by Severity

Medium (32)
Low (48)
High (11)
Critical (4)

95
CVEs

Unknown (0)
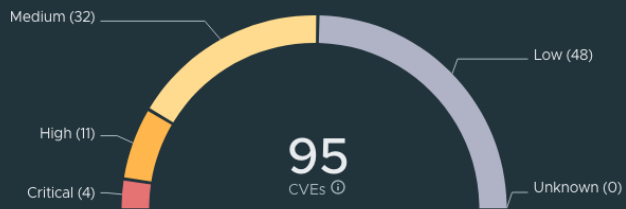
Workload Build Vulnerabilities

Violates Policy `0`   Does Not Violate Policy `4`

Name	Namespace	Cluster	Last Scan Completed	CVEs
fastapi-test	default	host	5 days ago	1 4 8 12
golang-demo	default	host	a day ago	7 12
nl-prod-tanzu-java-web-app	default	host	11 hours ago	2 3 7 12
python-test	default	host	11 days ago	1 4 10 12

- Security overview

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Built with an open source-first mindset

Innovative, interoperable, scalable and secure solutions

Tanzu Application Platform is backed by some of the most mature and popular open-source projects available today

In addition to **Backstage**

Garnering 200+ plugins Backstage has gained tremendous traction by helping organizations build self-service developer portals

Carvel

Developers build, deploy, and manage their own apps and package them so they are more easily distributable
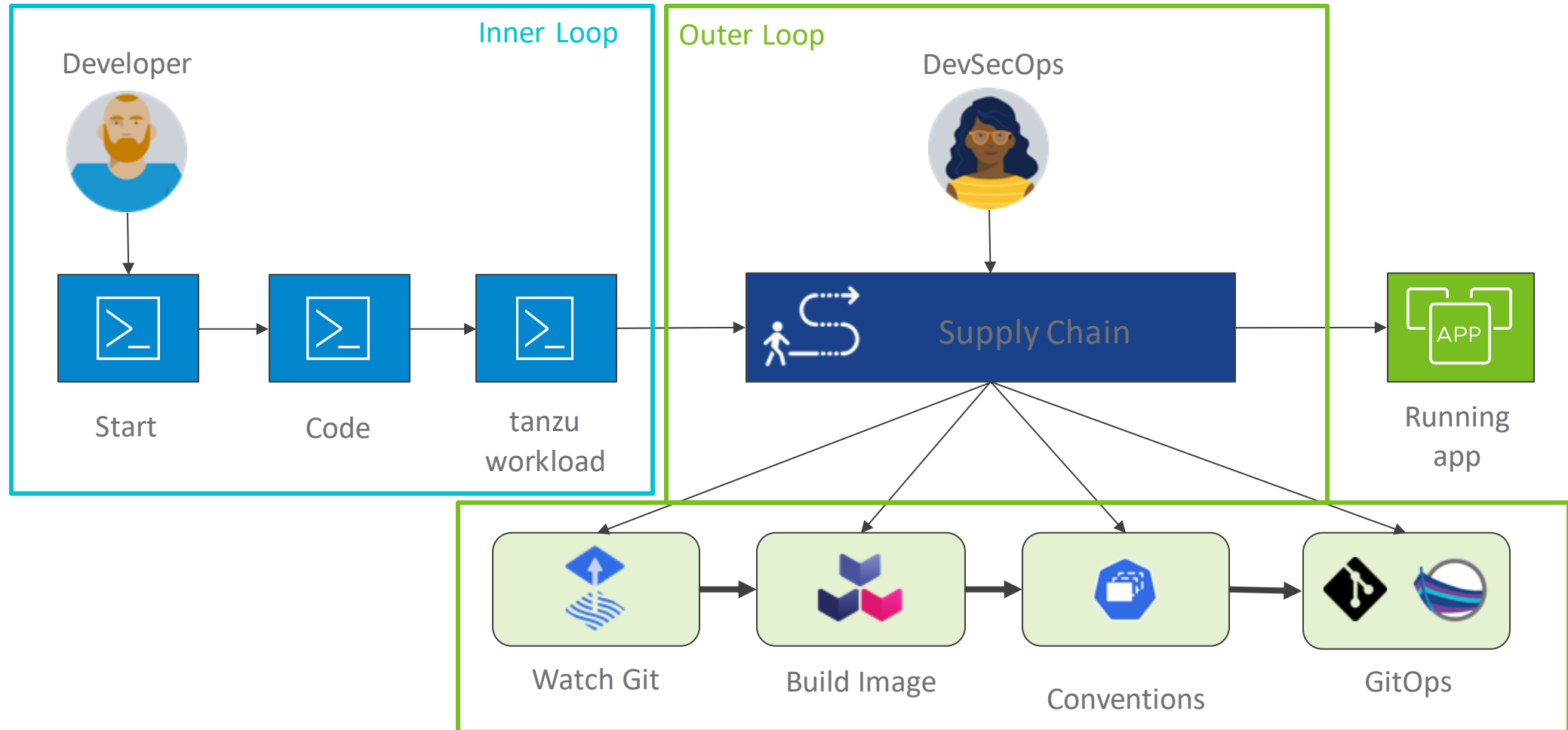
Cartographer

Operator teams create secure, reusable supply chains that define all of application CI and CD in one place

And many more....

Building open-source software and contributing to communities is at the core of VMware's engineering spirit

Deploying an App with Tanzu Application Platform

Demo

Q&A

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Tanzu Application Platform : https://tanzu.vmware.com/application-platform

NerdOut Podcast : https://open.spotify.com/show/5eXZwvvxt3K2dxha3BSaAe

Spotify Golden Path : https://engineering.atspotify.com/2020/08/how-we-use-golden-paths-to-solve-fragmentation-in-our-software-ecosystem/

Kubernetes : https://kubernetes.io

CNCF : https://www.cncf.io

Tanzu : https://tanzu.vmware.com

Register for next event on
https://webinars.tanzu.dk

Recording / Slides will also be available there.

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