

// conference june 13th 2024

KCD Zürich 2024

Successful Platform Engineering

Reality vs Hype

*From the viewpoint of a CNCF Ambassador
With a focus on „The Role of Observability“*

With inspiration from <https://ksick.dev>



PRESENTER

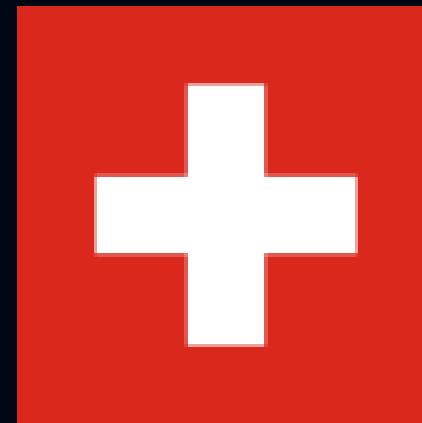
Andreas Grabner

CNCF Ambassador & DevRel
@grabnerandi



OpenFeature





**CONGRATS: 10 YEARS APART - SWITZERLAND
AND AUSTRIA WIN THE SONG CONTEST**



LETS SEE IF 16 YEARS AFTER OUR EURO ONE
OF US CONQUERS EUROPE 😊



Zurich: It seems we have a problem!



~40%

of engineering time
is productive

~36%

of developers leave because of
bad developer experiences

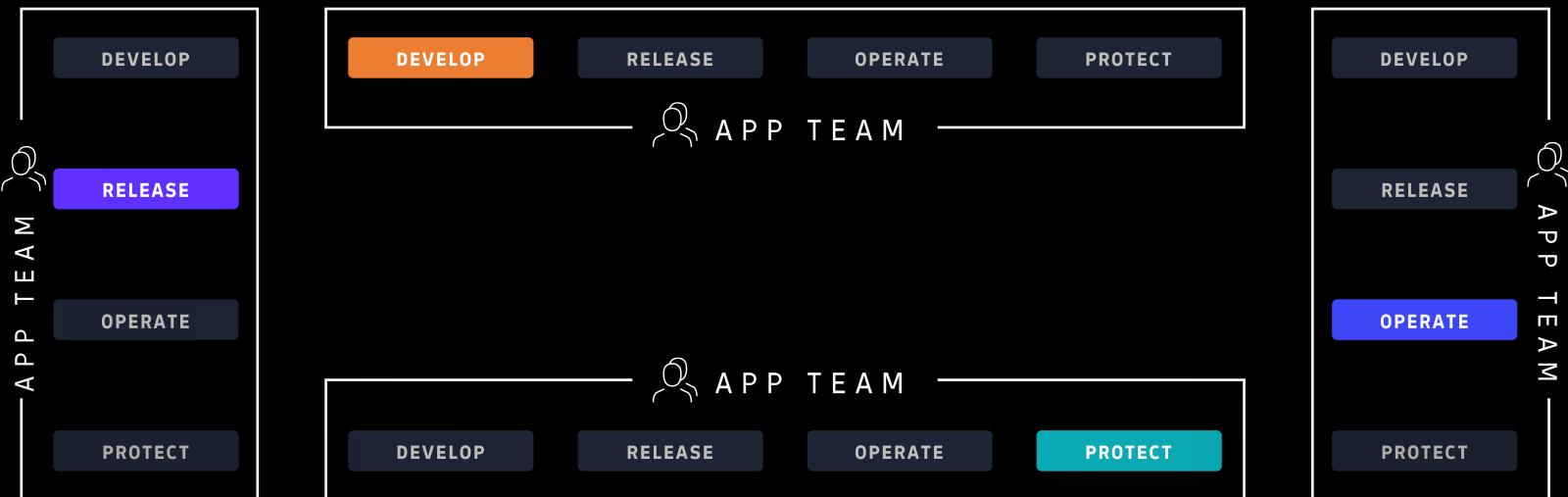
A photograph of a man with light brown hair and a beard, wearing a white t-shirt with the word "SICK" printed in large yellow letters. He is shouting or screaming with his mouth wide open and both hands gripping his own hair from behind his head. The background is dark.

What happened?

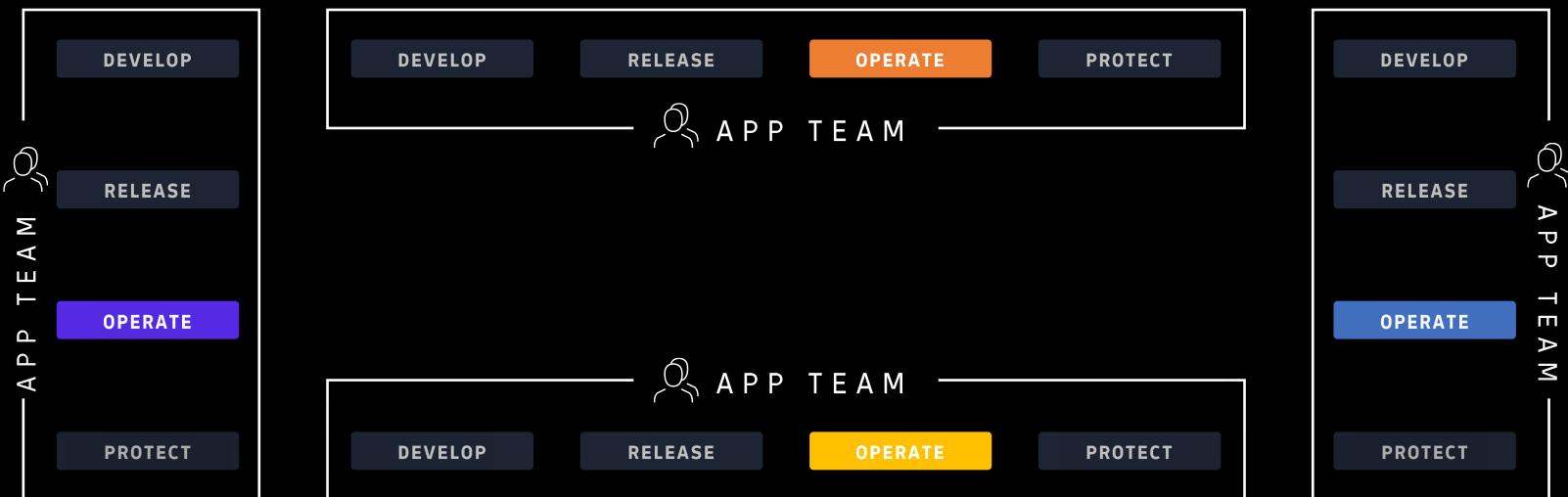
Shifting left! Teams taking on more responsibility



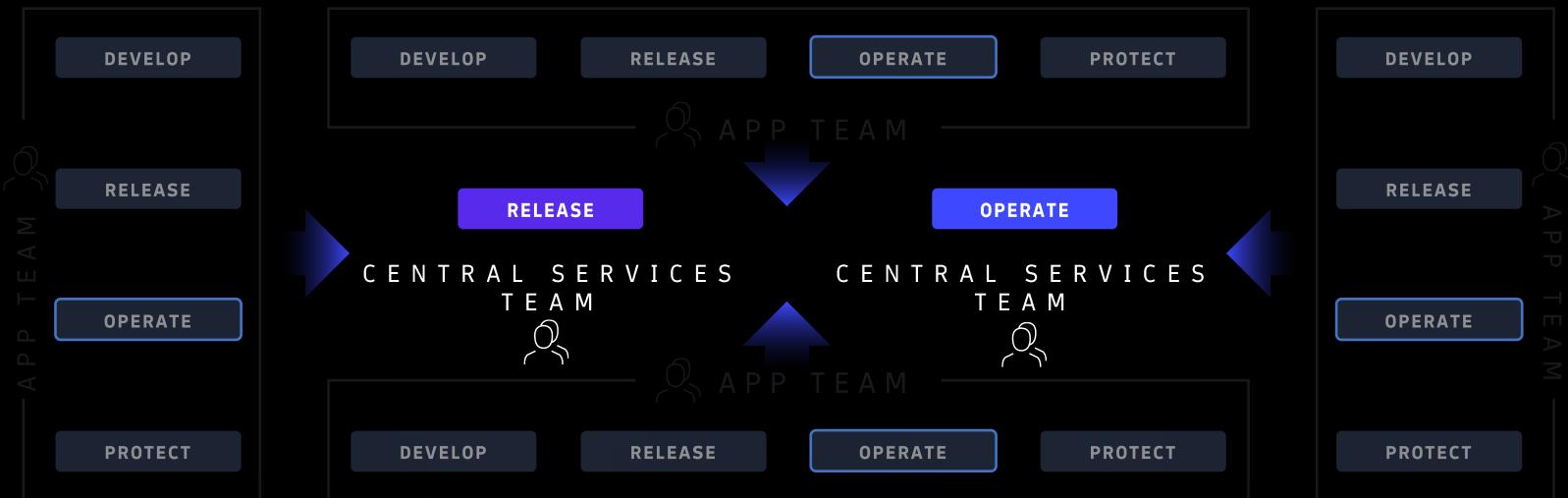
When Organizations grow - Teams start do things “their way”!



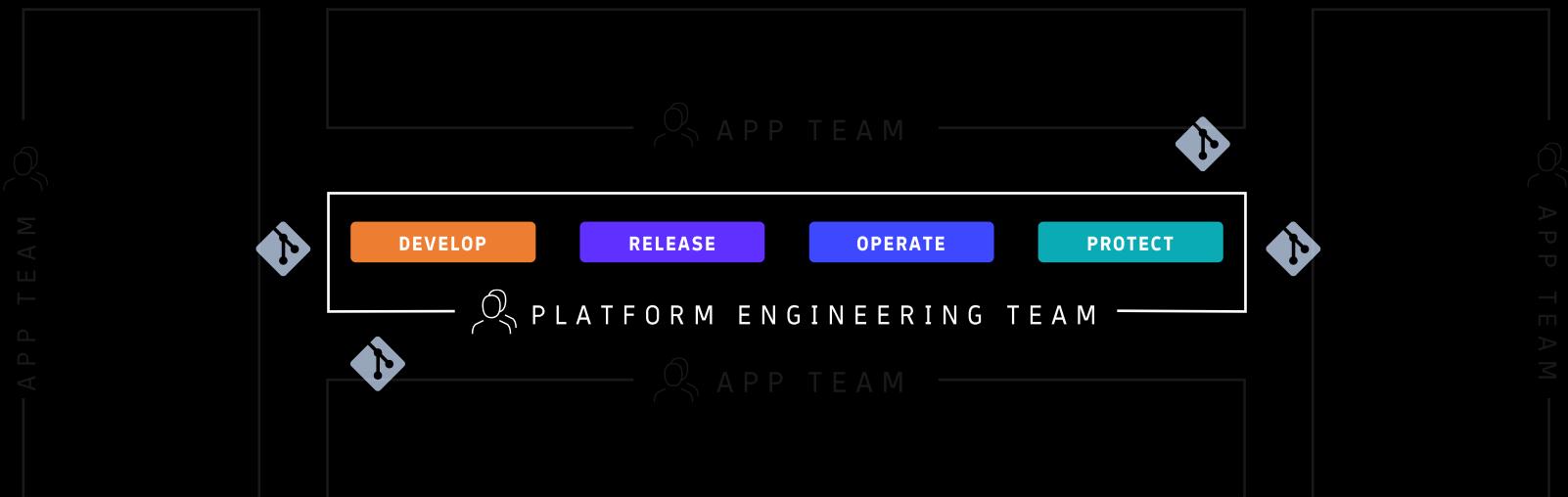
When Organizations grow - “their way” becomes “duplicated effort!”

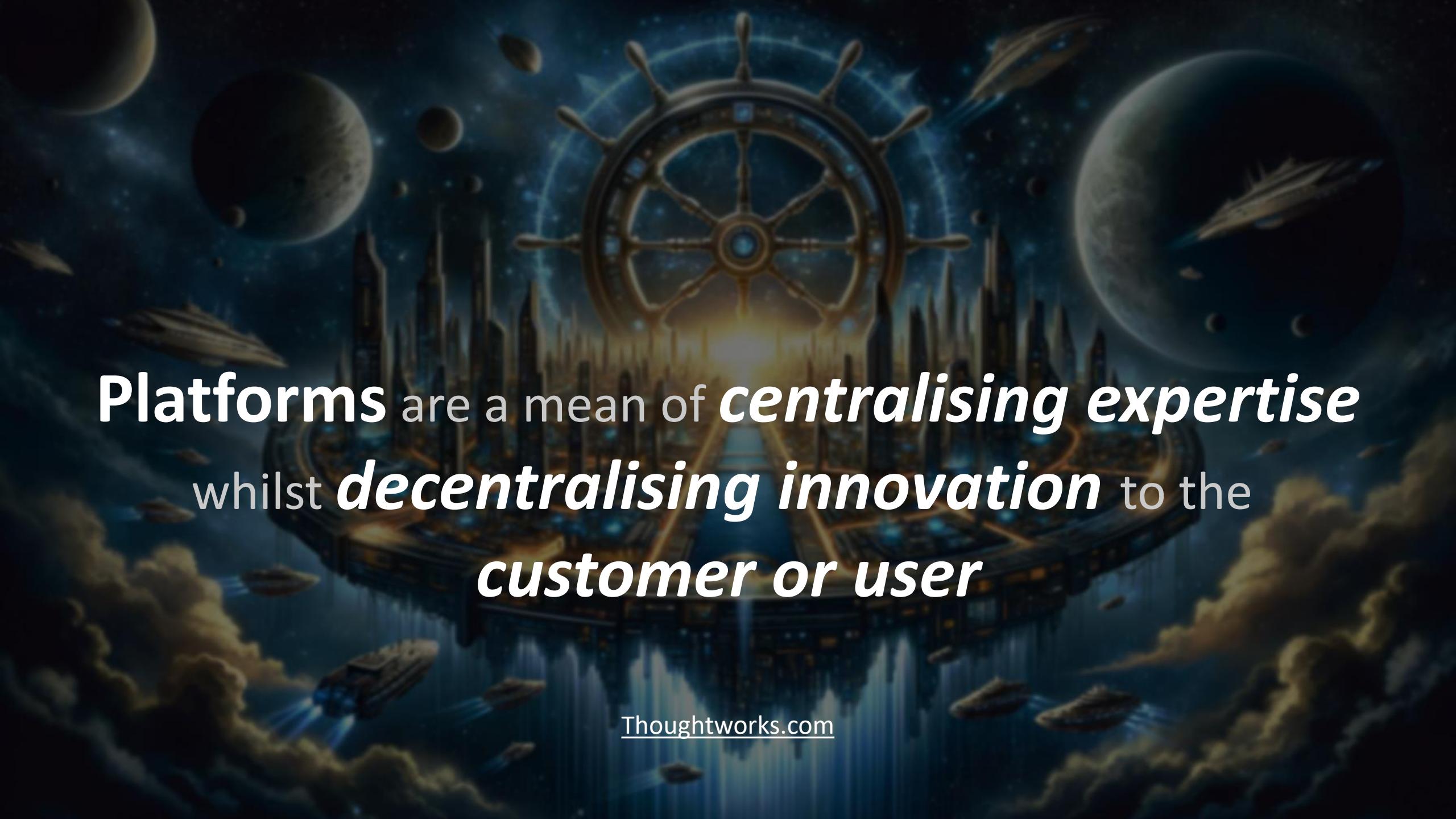


Central Services became the “Patch Solution”



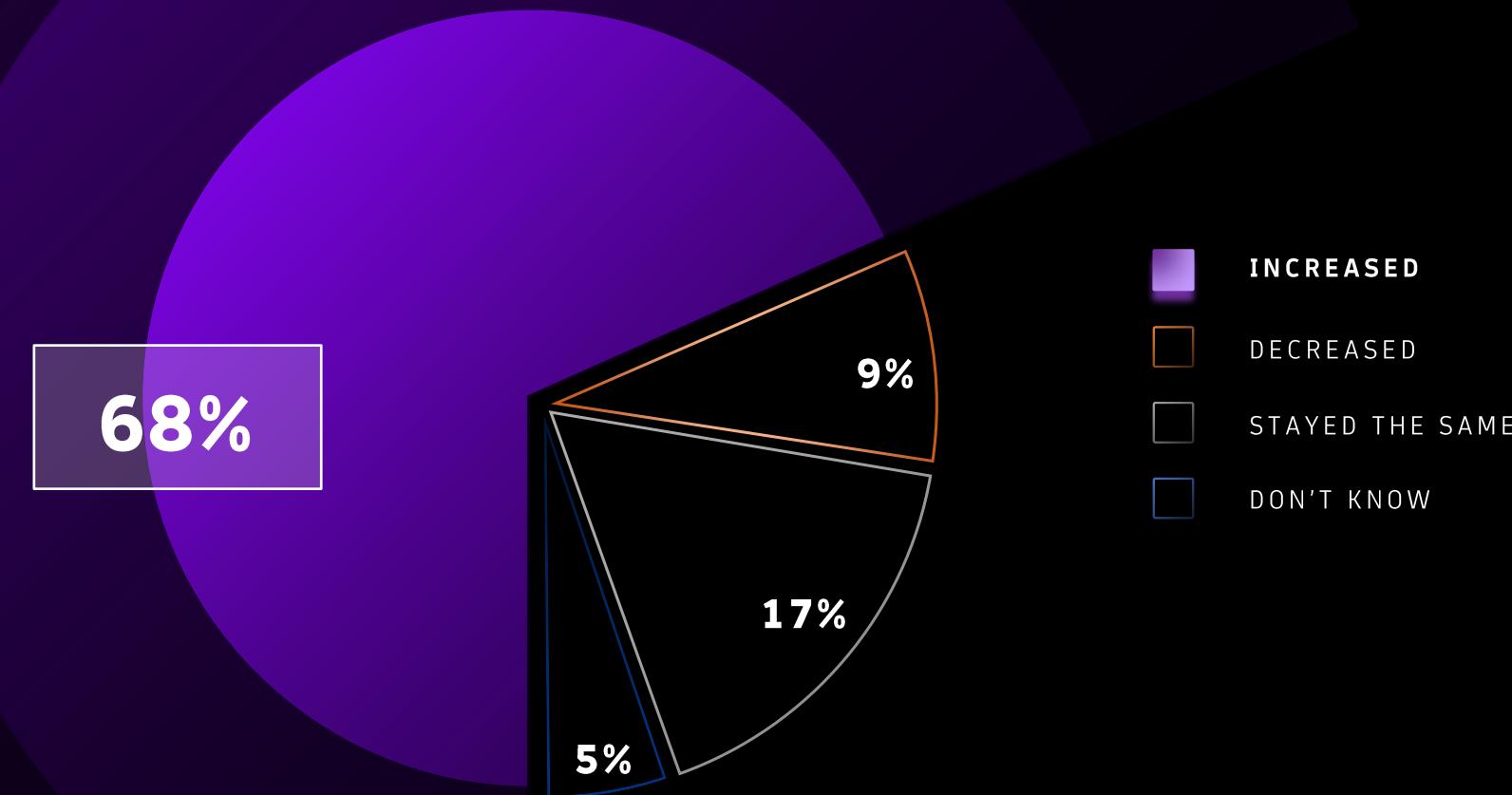
Leading to Platform Engineering: Git* as one Interface for “Golden Path Self-Service”



A futuristic city skyline with flying spaceships against a dark, star-filled sky.

Platforms are a mean of *centralising expertise*
whilst *decentralising innovation* to the
customer or user

Developer Productivity as Key Measure of Success to Platform Engineering!



More tangible KPIs to measure success

Business benefits achieved
and lessons learned

Outcomes

83% of developer time is spent in productive activities

50K active projects with **12.7K** active users

42.7M pipeline runs by 2023 (*up from 3M, 2019*)

324K user stories by 2023 (*up from 22K in FY20*)

99% of MTT Instrument reduction (days down to minutes)

Significant reduction in incident count with major improvements
in code quality

Dell Digital Proven

Internal Use - Confidential

2 Copyright © Dell Inc. All Rights Reserved.

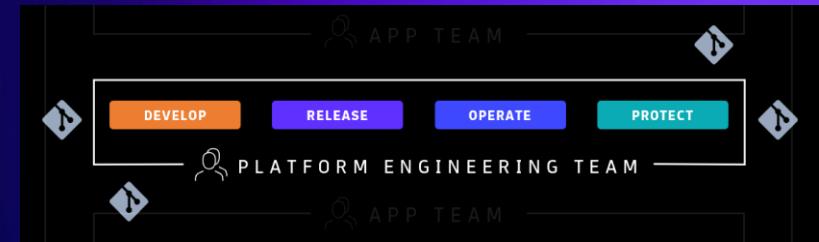
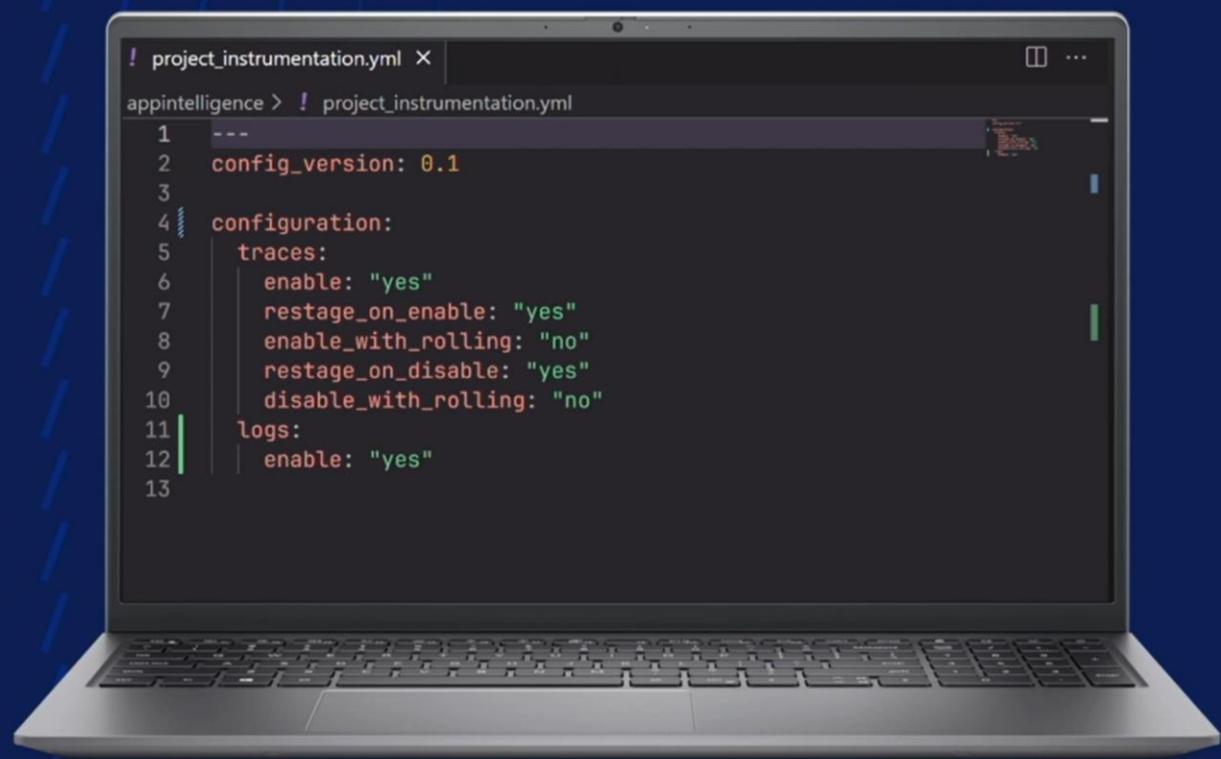
Lessons learned

- ✓ Understand the developer journey and how they spend their time
- ✓ Automating standards enables developers to code quickly & with increased security
- ✓ Provide flexibility, but with guardrails
- ✓ Use metrics to measure progress
- ✓ Put the customer at the center (consider product model)

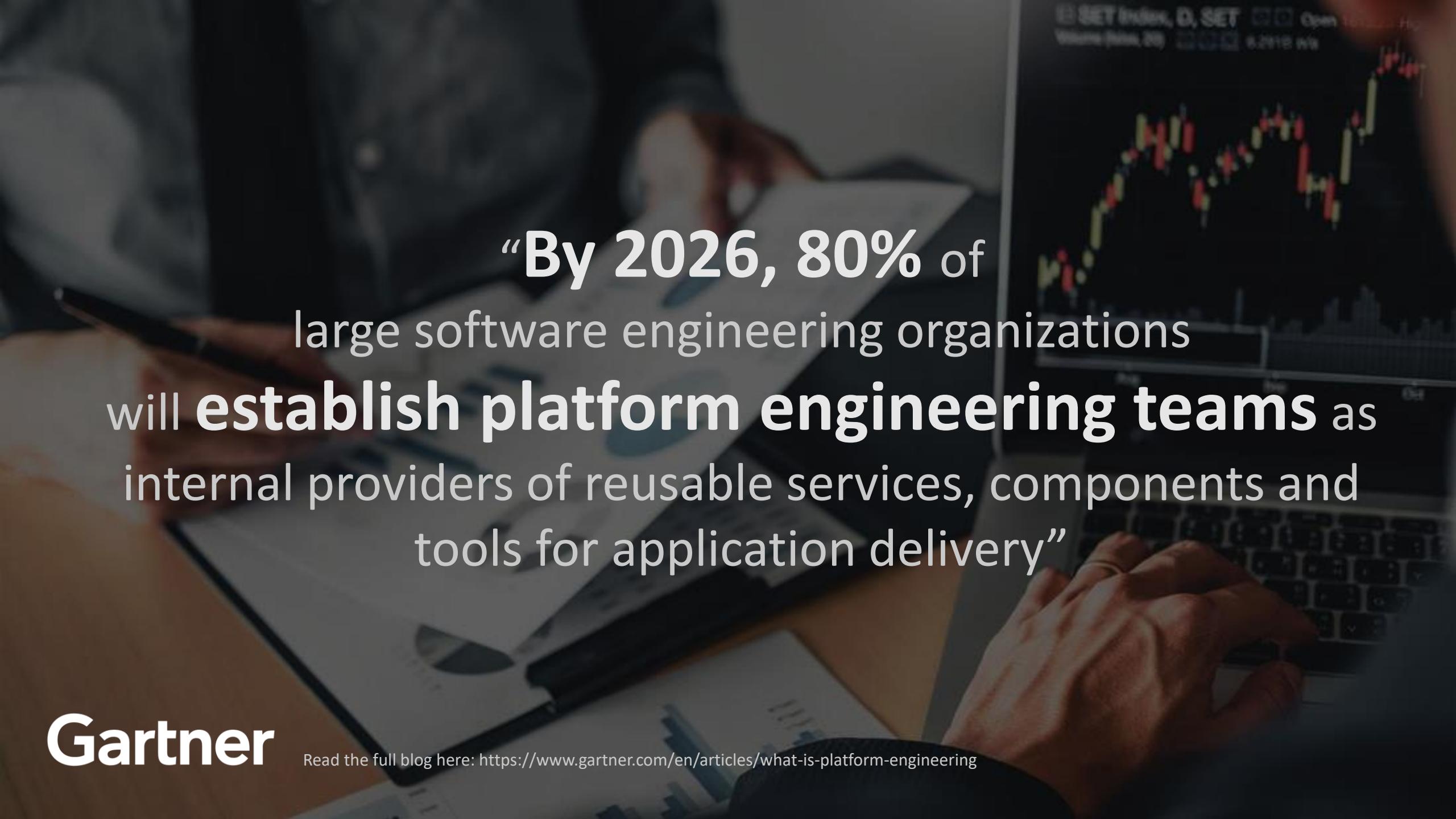
DELL Technologies



Git enables “Observability as Self-Service”



Source: Marcio Lena, Sr. Dir App Intelligence and SRE @ Dell – Dynatrace Perform 2024



“By 2026, 80% of large software engineering organizations will **establish platform engineering teams** as internal providers of reusable services, components and tools for application delivery”

Gartner

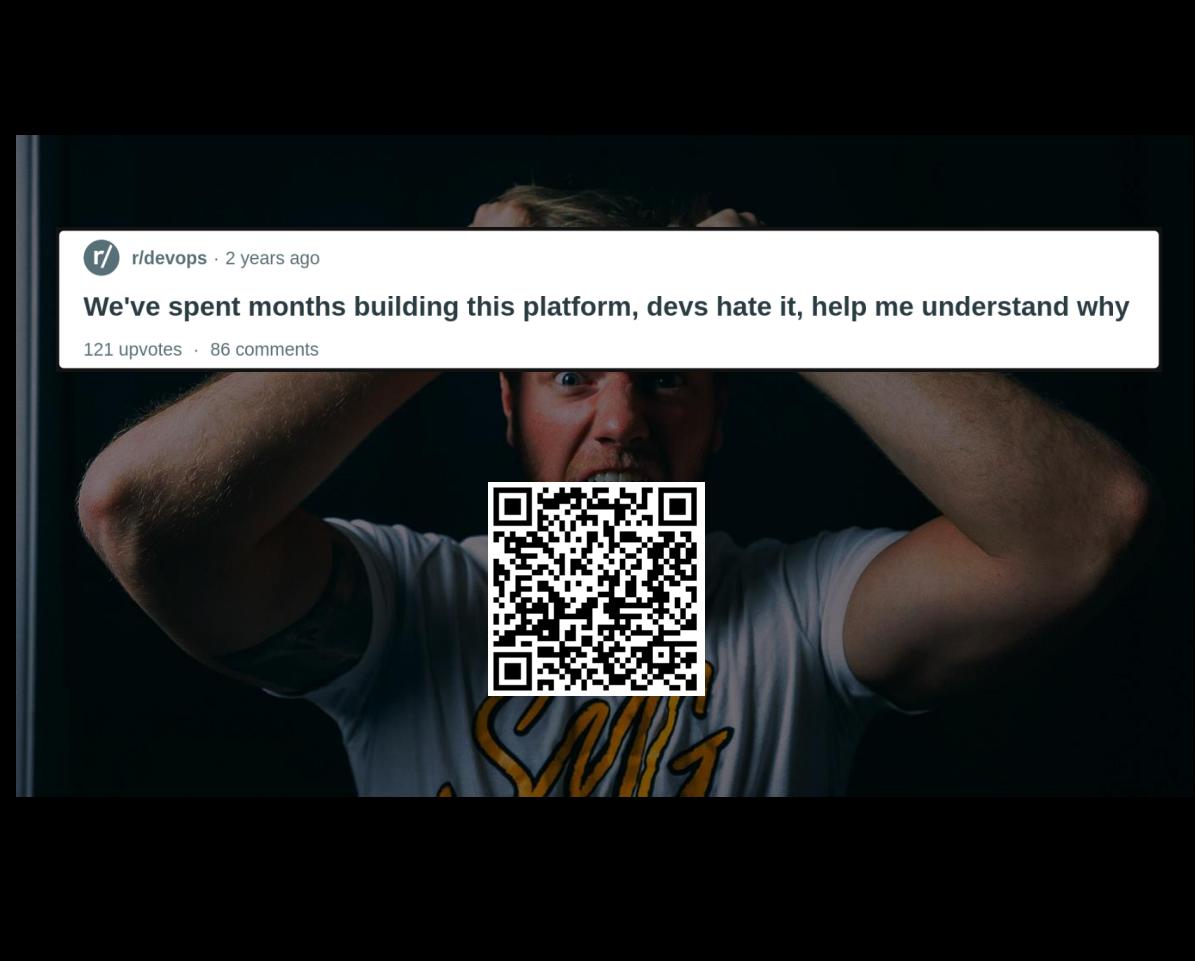
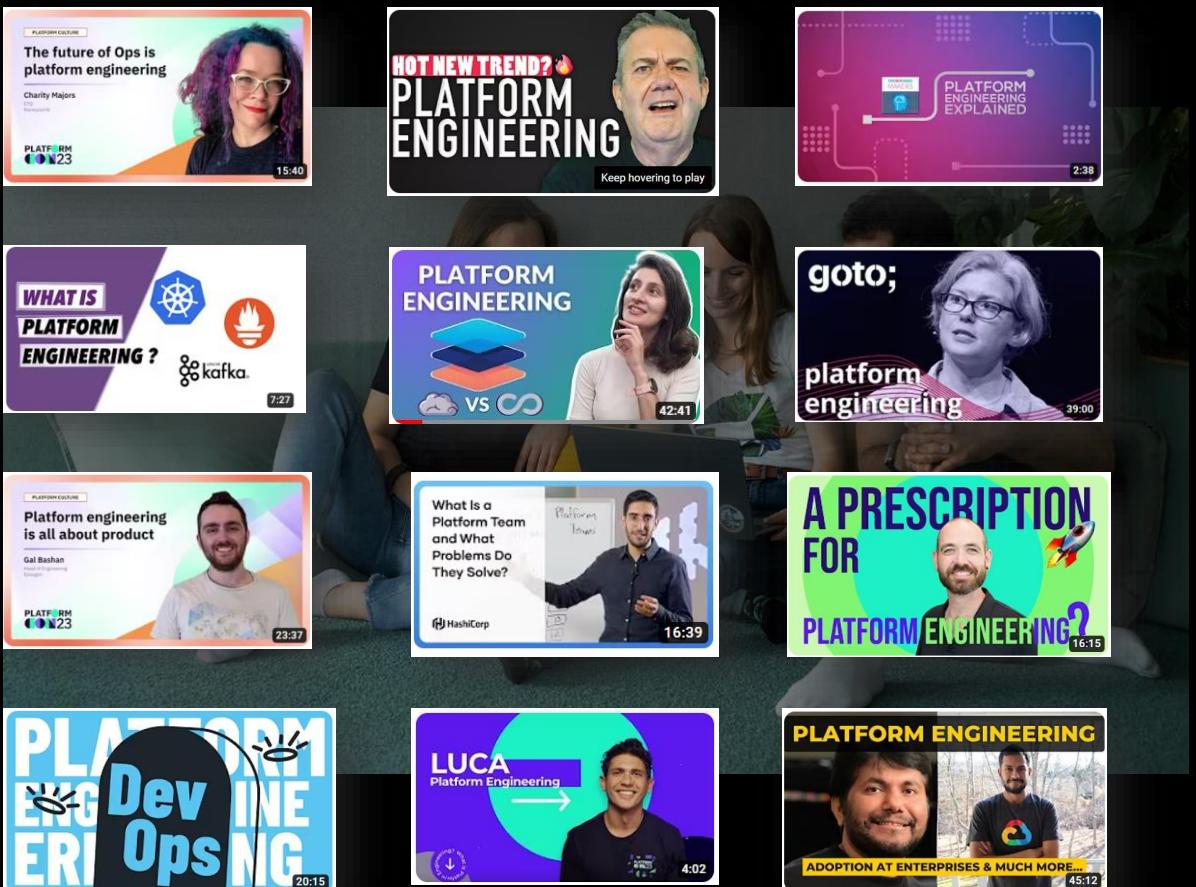
Read the full blog here: <https://www.gartner.com/en/articles/what-is-platform-engineering>

**So - that's it!
Everyone is
happy!**



My job is done here ☺

Hype vs Reality



Follow a Platform as a Product Mindest

-  **Find** the **pain** points and **needs** of your **users**
-  **Have** a clear **mission** with measurable **KPIs**
-  **Design** for a good **User/Dev Experience**
-  **Start** with the **TVP** (Thinnest Viable Platform)
-  **Make** everything **observable**

Let's quickly kick off the demo!



<https://dt-url.net/devrel-PE-demo>

Developer Self-Service: Onboarding an app
with automated observability & security



Open
Feature



GitHub



argo



kube-bench



kube-hunter



Use Case: Automated FinOps @ Bank

Devs provision resource

Request

Azure Virtual Machine Self-Service
Request for Windows and Linux Virtual Machines

Tag Details

Options

Is this request for a Technical Service?

Alfabet Application in draft / planning state?

*Application Id

Nedbank Business Authenticator

*Maintenance Slot

After Business Hours only

*Environment

Quality Assurance

*Business Hours

Next Business Day (Mon-Fri)

*Snoozing Options

Please Select

Please Select

Option-0 (No Snooze)

Option-1 (Mon-Fri 7.00pm to 6.00am)

Option-2 (Mon-Fri 11.00pm to 6.00am)

Option-3 (Mon-Sun 7.00pm to 6.00am)

Option-4 (Mon-Sun 11.00pm to 6.00am)

Option-5 (Fri-Mon 7.00pm to 6.00am)

4 - 7 Characters

SRE / FinOps have observability to and optimize Carbon & Costs across all environments

gCO₂eq

218.4k

CPU Optimisable Hosts <3%

Hosts 17

Memory Optimisable Hosts <20%

Hosts 3

12 PM Nov 2 12 PM Nov 3 12 PM Nov 4 12 PM Nov 5 12 PM Nov 6

DEV ETE PROD QA

Emissions in the last 7 days by Hypervisor - gCO₂eq

Hypervisor	gCO ₂ eq
VMWARE	15,914.7
AWS_NITRO	75,566.13
LPAR	227,477.44

60%

Cost Reduction Target

Use Case: Self-Service Feature Flagging



Developer adds **OpenFeature**

```
OpenFeature.setProvider(new MyProvider());  
  
const featureFlags = OpenFeature.getClient();  
  
const withCows = await featureFlags.getBooleanValue("with-cows", false);  
if (withCows) {  
  res.send(cowsay.say({ text: "Hello, world!" }));  
} else {  
  res.send("Hello, world!");  
}
```



Developer gets immediate feedback



DevOps control rollout of new features via Git, e.g: flagd provider

argo v2.10.1+e47fe0ea

Applications / gartner-demo

DETAILS DIFF

APP HEALTH: Healthy

SUMMARY EVENTS

KIND: FeatureFlag

NAME: feature-flags

NAMESPACE: gartner-demo

CREATED AT: 02/29/2024 17:33:41 (4 hours ago)

STATUS: OutOfSync

LINKS

feature-flags

SUMMARY EVENTS

KIND: FeatureFlag

NAME: feature-flags

NAMESPACE: gartner-demo

CREATED AT: 02/29/2024 17:33:41 (4 hours ago)

STATUS: OutOfSync

LINKS

LIVE MANIFEST DIFF DESIRED MANIFEST

LIVE MANIFEST	DIFF	DESIRED MANIFEST
64 red: '#b91c1c'		64 red: '#b91c1c'
65 enable-new-feature:		65 enable-new-feature:
66 defaultVariant: 'false'	66 defaultVariant: 'true'	
67 state: ENABLED		67 state: ENABLED
68 variants:		68 variants:

Compact diff Inline diff

Tip: Follow Cloud Native Best Practices

Community providing practices on releases / apps



Labels

In order to take full advantage of using these labels, they should be applied on every resource object.

Key	Description
app.kubernetes.io/name	The name of the application
app.kubernetes.io/instance	A unique name identifying the instance of an application
app.kubernetes.io/version	The current version of the application (e.g., a SemVer 1.0, revision hash, etc.)
app.kubernetes.io/component	The component within the architecture
app.kubernetes.io/part-of	The name of a higher level application this one is part of
app.kubernetes.io/managed-by	The tool being used to manage the operation of an application

```
kind: Deployment
metadata:
  name: accountservice
spec:
  selector:
    matchLabels:
      app: accountservice
  template:
    metadata:
      labels:
        app: accountservice
        app.kubernetes.io/version: 44e1878
        app.kubernetes.io/part-of: easytrade
        dt.owner: team-workshop
```



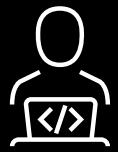
Devs: Label your CRDs



SREs:
Get release-aware observability

Name	Version	Stage	Product
contentcreator.easytrade	44e1877	easytrade	easytrade
simplenode.simplenode-dev	3.0.2	simplenode-	simplenode-product
offerservice.easytrade	44e1877	easytrade	easytrade
accountservice.easytrade	44e1878	easytrade	easytrade
engine.easytrade	44e1877	easytrade	easytrade
aggregatorservice-* .easytrade	44e1877	easytrade	easytrade

Use Case: Self-Service Onboarding @ Dynatrace



The collage illustrates the integration of several tools with the Dynatrace platform:

- Jira Integration:** A screenshot of a Jira ticket titled "Workflow Action: Send email" showing details like Type: ValueIncrement, Priority: Undefined, and Component/s: Cloud Automation.
- Backstage Integration:** A screenshot of the "Create a new component" screen for the "DTP Application Onboarding" template.
- Github Integration:** A screenshot of the Bitbucket interface showing a repository named "Dynatrace Apps / email-app".
- Bitbucket Integration:** A screenshot of the Bitbucket interface showing a repository named "Dynatrace Apps / email-app".
- Gitpod Integration:** A screenshot of the "New Workspace" creation interface in Gitpod, showing a workspace for "email-app" with VS Code and Standard configurations.



Tip: Platform Observability from git to prod



git commit



Backstage



Jenkins



HARBOR



Kyverno



Argo CD



Crossplane



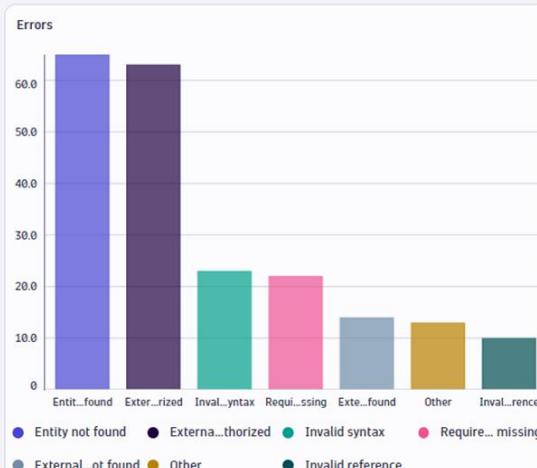
Platform Engineering: Are all templates properly configured and used?

Backstage

Backstage
Documentation

Invalid Entities

We found warning logs for the below entities. You can filter for certain entity errors with the EntityError variable on top of this dashboard. Backstage always does delta loads and only logs a lot of information about all entities on its startup. If you are missing an entity, please increase your selected timeframe.

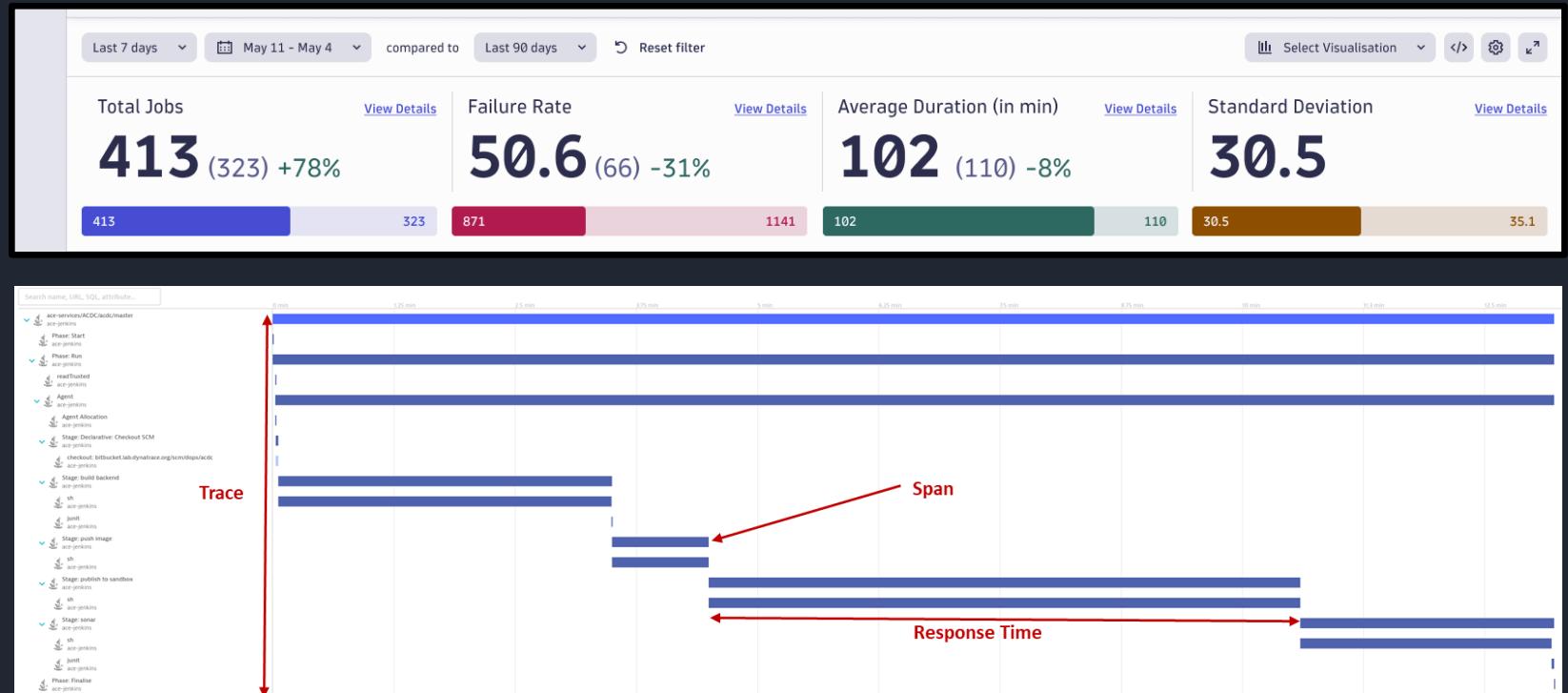


Timestamp	Name	Namespace	Type	Location
7/6/2023, 8:48:10 A...	generated-50eb54249329935149d3415f79dd12fc7877d1...	default	location	https://bitbucket.lxxx...g/projects/sxxxos/jer...
6/29/2023, 7:59:38 ...	generated-50eb54249329935149d3415f79dd12fc7877d1...	default	location	https://bitbucket.lxxx...g/projects/sxxxos/jer...
6/29/2023, 8:05:52 ...	generated-50eb54249329935149d3415f79dd12fc7877d1...	default	location	https://bitbucket.lxxx...g/projects/sxxxos/jer...

Tip: Platform Observability from git to prod



Platform Engineering: Do we have any issues and bottlenecks in our pipelines?



Tip: Platform Observability from git to prod



git commit



Platform Engineering: Is our container registry running smoothly? Which teams use it?



Tip: Platform Observability from git to prod



Backstage

Jenkins

HARBOR

Kyverno

Argo CD

Crossplane

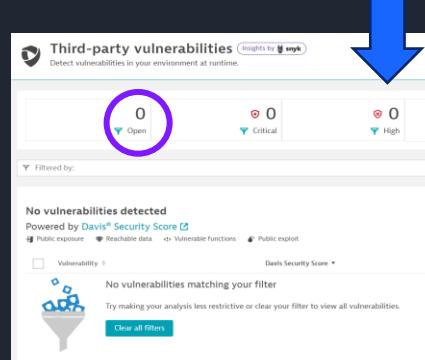
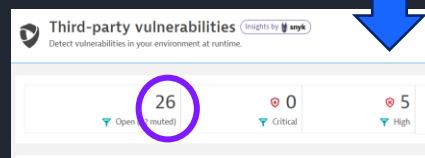


Platform Engineering: No vulnerabilities in prod? All policies enforced?

DEV

HARDE
NING

PROD



Policy insights

K8s with/without admission controller



k8s clusters without admission controller

entity.name	k8s.admissioncontroller.entity.name
K8s Cloud Automation Dev claus-dev-01-us-east-1-cluster	
SPINE Dev	
doaks-dev-dok-daily	
doaks-dev-e2e-private	
doaks-dev-priv-ajoskowski	
doaks-dev-readiness2e-westeu	
docke-dev-dok-daily	
k8s clusters with admission controller	
dok-gitops-argo-dev	kyverno-admission-controller
dok-gitops-argo-sandbox	kyverno-admission-controller
dtp-dev-csc-central-services	kyverno-admission-controller
dtp-dev1-grail	kyverno-admission-controller
dtp-dev2-apigw	kyverno-admission-controller
dtp-dev2-apprt	kyverno-admission-controller

Policy violations by cluster



Violations by cluster (trend)



Violations by policy



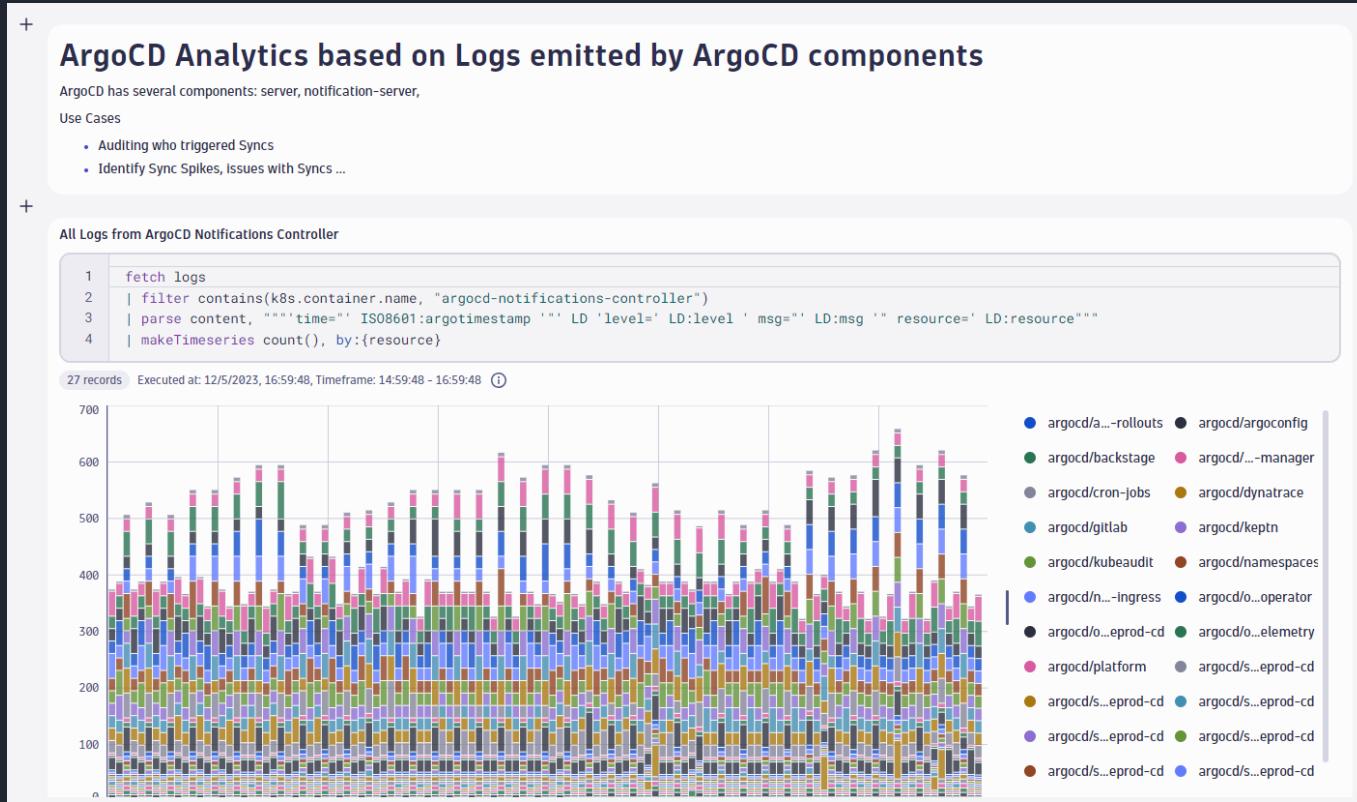
Violations by policy (trend)



Tip: Platform Observability from git to prod



 Platform Engineering: How many apps are onboarded? How well does it run?



Tip: Platform Observability from git to prod



git commit

Backstage

Jenkins

HARBOR

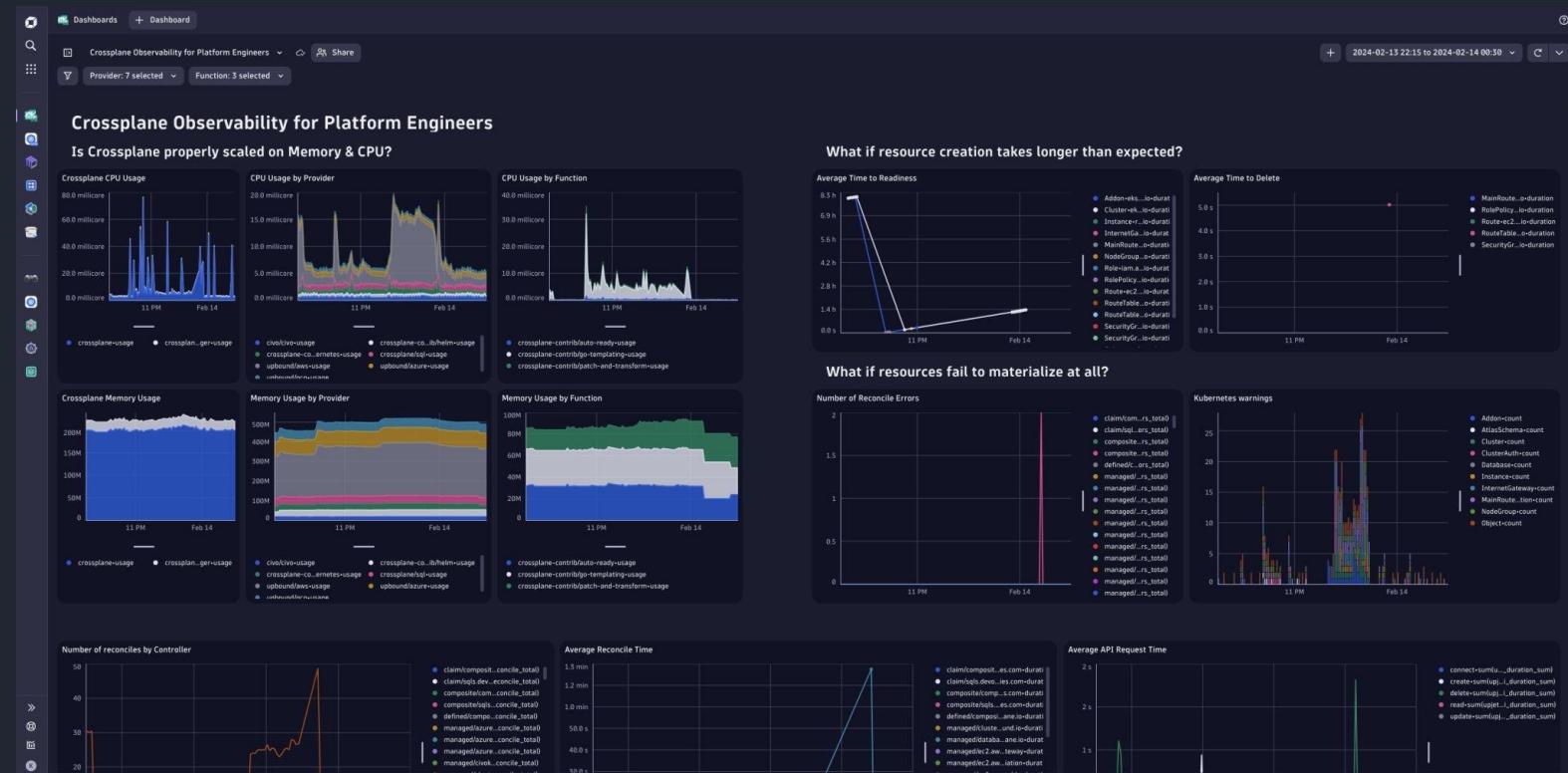
Kyverno

Argo CD

Crossplane



Platform Engineering: Can we deploy in-time or do we have issues in stages?



Lets go back to our demo!



<https://dt-url.net/devrel-PE-demo>

Developer Self-Service: Onboarding an app
with automated observability & security



Open
Feature



GitHub



argo



kube-bench



kube-hunter



Successful Platform Engineering: Hype vs Reality!

Status Quo

~40%

of engineering time
is productive

~36%

of developers leave because of
bad developer experiences

Lessons learned on how to get there



Find the **pain** points



Have a clear **mission**



Design for **DevExperience**



Start with the **TVP**



Make everything **observable**

What we see

~83%

of engineering time is
productive

~66%

report increased dev efficiency /
dev experience

All the resources in one slide



Report
"State of DevOps 2023"



CNCF White Paper
"WG on Platform Engineering"



GitHub Tutorial
<https://dt-url.net/devrel-PE-demo>



OpenGitOps
<https://opengitops.dev/>



Katharina Sick
<https://ksick.dev/>



Thank You

From DevOps to Platform Engineering and Beyond!



PRESENTER

Andreas Grabner
CNCF Ambassador
@grabnerandi



OpenFeature



Demo Backup Images

IN CASE GITHUB CODESPACES DON'T WORK!!!





argo

v2.11.3+3f344d5

Applications

APPLICATIONS TILES

+ NEW APP

SYNC APPS

REFRESH APPS

Search applications...

/



Log out

Previous 1 2 Next

Sort: name ▾ Items per page: 10 ▾

Applications

Settings

User Info

Documentation

Favorites Only

SYNC STATUS

Unknown 0

Synced 15

OutOfSync 0

HEALTH STATUS

Unknown 0

Progressing 1

Suspended 0

Healthy 14

Degraded 0

Missing 0

LABELS

LABELS

PROJECTS

PROJECTS

CLUSTERS

CLUSTERS

NAMESPACES

NAMEPREFIXES

argo-rollouts

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>
Target Ref: main
Path: gitops/manifests/platform/argo-rollouts
Destination: in-cluster
Namespace: argo-rollouts
Created: 06/12/2024 22:18:59 (12 minutes ago)
Last Sync: 06/12/2024 22:19:44 (11 minutes ago)

SYNC REFRESH DELETE

argoconfig

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>
Target Ref: main
Path: gitops/manifests/platform/argoconfig
Destination: in-cluster
Namespace: argocd
Created: 06/12/2024 22:18:54 (12 minutes ago)
Last Sync: 06/12/2024 22:18:56 (12 minutes ago)

SYNC REFRESH DELETE

backstage

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>
Target Ref: main
Path: gitops/manifests/platform/backstage
Destination: in-cluster
Namespace: backstage
Created: 06/12/2024 22:19:20 (11 minutes ago)
Last Sync: 06/12/2024 22:19:35 (11 minutes ago)

SYNC REFRESH DELETE

cert-manager

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://charts.jetstack.io>
Target Ref: v1.14.3
Chart: cert-manager
Destination: in-cluster
Namespace: cert-manager
Created: 06/12/2024 22:18:59 (12 minutes ago)
Last Sync: 06/12/2024 22:21:32 (9 minutes ago)

SYNC REFRESH DELETE

cron-jobs

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>
Target Ref: main
Path: gitops/manifests/platform/cronJobs
Destination: in-cluster
Namespace: cronjobs
Created: 06/12/2024 22:19:31 (11 minutes ago)
Last Sync: 06/12/2024 22:19:38 (11 minutes ago)

SYNC REFRESH DELETE

dynatrace

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>
Target Ref: main
Path: gitops/manifests/platform/dynatrace
Destination: in-cluster
Namespace: dynatrace
Created: 06/12/2024 22:18:56 (12 minutes ago)
Last Sync: 06/12/2024 22:25:40 (5 minutes ago)

SYNC REFRESH DELETE

ingress-nginx

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>
Target Ref: main
Path: gitops/manifests/platform/ingress-nginx
Destination: in-cluster
Namespace: ingress-nginx
Created: 06/12/2024 22:18:59 (12 minutes ago)
Last Sync: 06/12/2024 22:19:02 (12 minutes ago)

SYNC REFRESH DELETE

keptn

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://charts.lifecycle.keptn.sh>
Target Ref: 0.6.0
Chart: keptn
Destination: in-cluster
Namespace: keptn
Created: 06/12/2024 22:19:11 (11 minutes ago)
Last Sync: 06/12/2024 22:21:38 (9 minutes ago)

SYNC REFRESH DELETE

kubeaudit

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>

namespaces

Project: default
Labels: app.kubernetes.io/instance=platform, d...
Status: Healthy Synced
Repository: <https://github.com/grabnerandi/platform>

Create a new component

Create new software components using standard templates in your organization

Create a New Application

Create a new application from a template

1

2

3

4

Choose a Project

Your Team's Details

Application Details

Review

Choose a Project

simplenodeservice

Which project would you like to deploy?

BACK

NEXT

Create a new component

Create new software components using standard templates in your organization

Create a New Application

Create a new application from a template



Choose a Project

Your Team's Details

Application Details

Review

Team identifier *

team01



Your unique internal team identifier (eg. team01)

Full name of the team *

Team 01

Your real team name (eg. Team Best App Ever)

Team Email *

team01@example.com

Dummy email to reach your team (eg. team01@example.com)

BACK

NEXT

Create a new component

Create new software components using standard templates in your organization

Create a New Application

Create a new application from a template



Choose a Project



Your Team's Details



Application Details



Review

Application Version *

1.0.2

SemVer eg. 1.0.2

Software Lifecycle Stage *

preprod

Which stage is this software in? (eg. preprod)

DORA metric tracking enabled? *

enabled

Enable automatic DORA metric and OpenTelemetry trace generation for this application?

Scan this app automatically and push results to Dynatrace?

Include Security scans?

Include level 1 (basic) Dynatrace Configuration as Code for this application?

Include Dynatrace Configuration?

BACK

REVIEW

Create a new component

Create new software components using standard templates in your organization

Create a New Application

Create a new application from a template



Choose a Project



Your Team's Details



Application Details



Review

Project Name

simplenodeservice

Team Identifier

team01

Team Full Name

Team 01

Team Email

team01@example.com

App Version

1.0.2

Release Stage

preprod

Dora Enabled

enabled

Include Security Scans



Include DT Config



BACK

CREATE

Merged

New App Onboarding: simplenodeservice-team01-preprod #1



Changes from all commits ▾

File filter ▾

Conversations ▾



0 / 17 files viewed

Review in codespace

Review changes ▾

Filter changed files

customer-apps/simplenodeservice-...
 argohookjobs.yml
 backstagetemplates
 docs
 ingress.yml
 monaco
 namespace.yml
 rolebinding.yml
 rollout.yml
 securityScanJob.yml
 service.yml
 workflow-post-sync-apply-mo...

58 customer-apps/simplenodeservice-team01-preprod/rollout.yml

```
+ kind: Rollout
+ metadata:
  + name: "simplenodeservice-team01"
  + namespace: "simplenodeservice-team01-preprod"
  + labels:
    + dt.owner: "team01"
  + spec:
    + replicas: 2
    + strategy:
      + canary:
        + steps:
          - setWeight: 50
          - pause: {duration: 5s}
          - setWeight: 100
        + revisionHistoryLimit: 0
      + selector:
        + matchLabels:
          + app.kubernetes.io/name: userinterface
      + template:
        + metadata:
          + labels:
            + dt.owner: "team01"
            + app.kubernetes.io/name: userinterface
            + app.kubernetes.io/part-of: "simplenodeservice-team01"
            + app.kubernetes.io/version: "1.0.2"
            + dynatrace-release-stage: "preprod"
            + backstage.io/component: "default.simplenodeservice-team01-preprod"
        + spec:
          + containers:
```

Viewed

...

DT HOT Day - Backstage Catalog

Search

CREATE

? SUPPORT

Home

APIs

Docs

Create...

Tech Radar

Notifications

Settings

Kind

Component

Type

all

PERSONAL

Owned 0

Starred 0

DT HOT DAY - BACKSTAGE

All 1

OWNER

PROCESSING STATUS

All components (1)

Filter

NAME	SYSTEM	OWNER	TYPE	LIFECYCLE	DESCRIPTION	TAGS	ACTIONS
simplenode service- team01- preprod		Team 01	website	preprod	Template for the...		

simpleservice-team01-preprod ☆

Owner
Team 01

Lifecycle
preprod



Search

Home

APIs

Docs

Create...

Tech Radar

Notifications

Settings

OVERVIEW

KUBERNETES

CI/CD

DEPENDENCIES

DOCS

About



[VIEW
SOURCE](#)



[VIEW
TECHDOCS](#)

DESCRIPTION

Template for the simpleservice owned and operated by team01 in environment preprod

OWNER

Team 01

SYSTEM

No System

TYPE

website

LIFECYCLE

preprod

TAGS

No Tags

Relations



group:team01

ownerOf / ownedBy



simpleservice-team01-preprod

[View graph →](#)

Links

Links

[Github Repo](#)[View in ArgoCD](#)[Dynatrace community](#)[Browse Application](#)[View in Dynatrace](#)

Kubernetes Deployments

Filter

X

WORKLOAD	CLUSTER	NAMESPACE	PROBLEMS	VULNERABILITIES	LOGS	ENVIRONMENT
simplenodeservice-team01-5c8647f4c4	platform-engineering-demo	simplenodeservice-team01-preprod	0	0	Show logs	hci34192

3 rows ▾ | < < 1-1 of 1 > >|

Dynatrace Logs

Filter

X

TIMESTAMP	CONTENT
2024-06-12T20:30:05.458000000Z	{"level":"info","ts":"2024-06-12T20:30:05.458Z","logger":"injection-startup","msg":"creating standalone runner"}
2024-06-12T20:30:05.458000000Z	{"level":"info","ts":"2024-06-12T20:30:05.458Z","logger":"injection-startup","msg":"checking envvars"}

We turned up empty

Query `custom.validations` did not return any data for component `default.simplenodeservice-team01-preprod`.

If you recently added the component, it may take a few minutes for Dynatrace to start reporting data. If the component has been running for a while, it may not be reporting data. Please check that your component is indeed reporting data to Dynatrace and, in case you are using a custom validation, that the configuration is correct.



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Replication Controllers

Jobs

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Other workloads

Pods

Services

Containers

Pods 177

[Health](#) [Utilization](#) [Metadata](#) [...](#) [1](#)

Pod	State
accountservice-7db7869cf-wl89k	Running
aggregatorservice-584d4bfdd-djp...	Running
alertmanager-main-0	Running
alertmanager-main-1	Running
alertmanager-main-2	Running
argo-rollouts-d4cd95d-tp45w	Running
argocd-application-controller-0	Running
argocd-application-controller-0	Running
argocd-application-controller-0	Running
argocd-applicationset-controller-...	Running
argocd-applicationset-controller-...	Running
argocd-applicationset-controller-...	Running
argocd-dex-server-66779d96df-z...	Running
argocd-dex-server-75b5b88965-...	Running
argocd-dex-server-bb76f899c-7q...	Running
argocd-notifications-controller-5...	Running
argocd-notifications-controller-6...	Running
argocd-notifications-controller-c...	Running
argocd-redis-79c755c747-ktpm6	Running
argocd-redis-7bf7cb9748-88jws	Running
argocd-redis-b5d6bf5f5-r6tcg	Running
argocd-repo-server-56998dcf9c-...	Running
argocd-repo-server-795d79dfb6-...	Running
argocd-repo-server-854479f796-...	Running
argocd-server-544b7f897d-276bj	Running
argocd-server-5d8d596cbd-f7ccf	Running
argocd-server-5dc8558687-dsbrx	Running
aws-node-6j7gp	Running
aws-node-h7pmg	Running
aws-node-xm8lj	Running



simplenodeservice-team01-5c8647f4c4

Workload

Davis® AI Health status

[0 Problems](#) [Conditions](#) [CPU](#) [Memory](#) [Pods](#) [Containers](#)

Security status

No vulnerabilities

[Overview](#)[Info](#) [Utilization](#) [Logs](#) [Events](#) [Problems](#) [SLOs](#) [Ownership](#) [Vulnerabilities](#)

Workload utilization

CPU

Usage	7 millicore
Requests	10 millicore
Limits	0 millicore

Memory

Usage	108 MiB
Requests	6 MiB
Limits	0 B

Pods

Running	2
Desired	2

Pods 2

Pods with restarting containers None

Pending pods None

Failed pods None

Pods with warning events None

APM Services

[Go to Services](#)

Labels

 Search labels...
[app.kubernetes.io/name : userinterface](#) [app.kubernetes.io/part-of : simplenodeservice-team01](#) [app.kubernetes.io/version : 1.0.2](#)
[backstage.io/component : default.simplenodeservice-team01-preprod](#) [dt.owner : team01](#) 2 more...

Annotations

 Search annotations...
[rollout.argoproj.io/desired-replicas : 2](#) [rollout.argoproj.io/revision : 1](#)

Create a new component

Create new software components using standard templates in your organization

 Search Home APIs Docs Create... Tech Radar Notifications Settings

Platform Feedback Form

Imagine you need to collect feedback from your users. Don't make them email you, a web form is much nicer!

1

Feedback Form

2

Review

Feedback Type

An existing platform feature could be improved...

Which project would you like to deploy?

Your Name (optional)

Andi

(optional) Your name

Leave your feedback below

WE WANT MORE ...|

Tick this box if you want email updates on this item to be sent from the platform team.

 Stay informed of progress on this item?

Create a new component

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Platform Feedback Form

Imagine you need to collect feedback from your users. Don't make them email you, a web form is much nicer!



Feedback Form

2

Review

Feedback Type

An existing platform feature could be improved...

User Identifier

Andi

Feedback

WE WANT MORE

Keep Me Informed



BACK

CREATE

application

Select an option

Dynatrace Platform Engineering Observability Cockpit

Pick your team from the variable

Platform Adoption Overview

Applications Added

✨ 0 new applications

Applications Degraded

✗ 0 new applications

New Feature Ideas

💡 0 new applications

Improvement Suggestions

↗ 1 new applications

Praise / Thanks

✍ 0 new applications

Bug Reports

✗ 0 new applications

timestamp	event.name	feedback	stay-informed	type	user
6/12/2024, 10:44:50 PM	Platform Feedback	WE WANT MORE	true	improvement	Andi

ArgoCD Sync Events per Argo Application





argo

v2.11.3+3f344d5

Applications / Q simplenodeservice-team01-prepro

APPLICATION DETAILS TREE

DETAILS

DIFF

 SYNC

STATUS HISTORY AND ROLLBACK

 DELETE

REFRESH ▾



 Log out

Applications

 Settings

User Info

Documentation

NAME

NAME

KINDS

KINDS

SYNC STATUS

 Synced

OutOfSync

HEALTH STATUS

 Healthy

 Progressing

 Degrad

 Suspended

Missing

1

NAMEROL 50

