



Full Observability: From Push to Production

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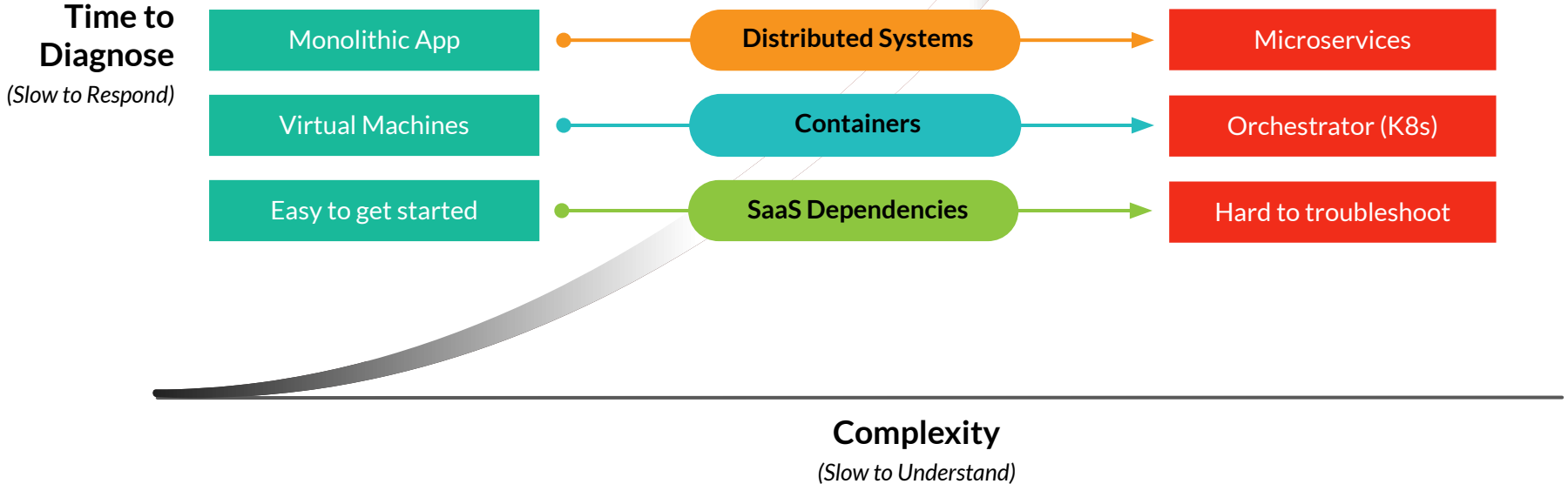
DevOps Evangelist



@codepipes



Systems Keep Getting More Complex



Elite-Performing Teams have Speed AND Stability

Aspect of Software Delivery Performance	Elite
Deployment frequency	On-demand <i>(multiple deploys per day)</i>
Lead time for changes	Less than one hour
Time to restore service	Less than one hour
Change failure rate	0-15%

Source: DORA State of DevOps Report

The Honeycomb Difference



Real Time Exploration



Built-in SLOs



Curate & Collaborate



Most Efficient Data Store

Budget Burndown

How much of the error budget remains after the last 30 days. Starts at 100% and burns down.



Reset

Historical SLO Compliance

For each day of the past 30, how often this SLI has succeeded over the preceding 30 days.

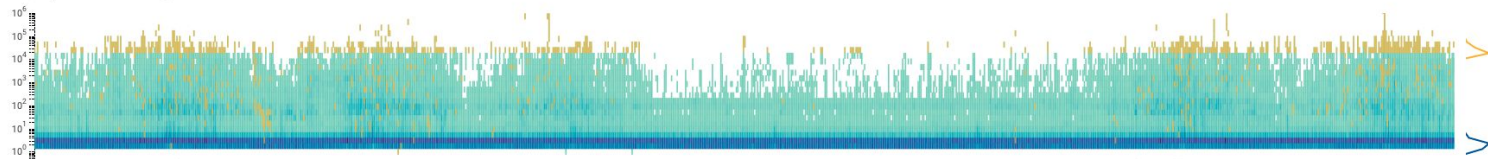


Distribution of Events failing SLI by

Make Default

Last 7 days

Jun 16 2020, 8:42 PM - Jun 23 2020, 8:42 PM




About Codefresh

- Docker based CI/CD solution
- Native support for Docker, Helm, Kubernetes deployments
- UI and tooling for Helm
- Helm Contributors
- Includes built-in Helm repository
- 50,000+ users


The screenshot displays the Codefresh web interface. On the left is a teal sidebar with navigation links: BUILD → TEST → DEPLOY, Pipelines, Builds, MONITORING (Kubernetes, Helm Releases, Docker Swarm), RESOURCES (Images, Repositories, Helm Charts), and CONFIGURATION (Account Settings, User Settings). The main area shows a pipeline named 'Release a new update to prod. Must be updated ashd...' with a 'COMPLETED' status. Below the pipeline overview, a 'Helm Releases' section lists several installed charts:

Chart Name	Cluster	Revision	Modified	Chart Version	Status
example-voting-app	sales-demo@FirstKubernetes	38	13 days ago	example-voting-app-1.7.1	DEPLOYED
chartmuseum	sales-demo@FirstKubernetes	1	a year ago	chartmuseum-1.8.3	DEPLOYED
cert-manager	sales-demo@FirstKubernetes	1	a year ago	cert-manager-v0.5.2	DEPLOYED
Ingress-nginx	sales-demo@FirstKubernetes	1	a year ago	nginx-ingress-1.1.2	DEPLOYED
clair-demo	sales-demo@FirstKubernetes	7	9 months ago	clair-0.1.4	DEPLOYED

Huge open source library at codefresh.io/steps



Find Steps



CATEGORIES

FEATURED

UTILITY

GIT

DEPLOYMENT

NOTIFICATIONS

SECURITY

BUILD

STORAGE

SERVERLESS


SECRET MANAGEMENT


UTILITIES


Create a Step


SIGN UP


FEATURED


**freestyle**
Run any shell command on top of a Docker image


**pending-approval**
Pause a running build until it is approved or denied.


**helm**
Update or install a Helm chart.


**build**
Build a Dockerfile and push it to the internal Codefresh registry.


**composition**
Run a docker-compose.yml composition as a pipeline step.






**launch-composition**
Run and externally expose a docker-compose build.

**push**
Push a docker image to a registry.

**codefresh-audit-exporter**
Export Codefresh audit log to external storage

**codefresh-run**
Run a Codefresh pipeline by ID or name and attach the created build logs.

**deploy**
Deploy a Docker image to an existing Kubernetes cluster.



Demo time!

hotrod

<https://github.com/puckpuck/hotrod>

Observability means being able to answer any arbitrary
question about application performance
when you don't even know what it is you're looking for.

Questions?



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