



Surviving the Disaster

How to identify bugs immediately
& get back on track



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ANAIS URLICHS

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Agenda

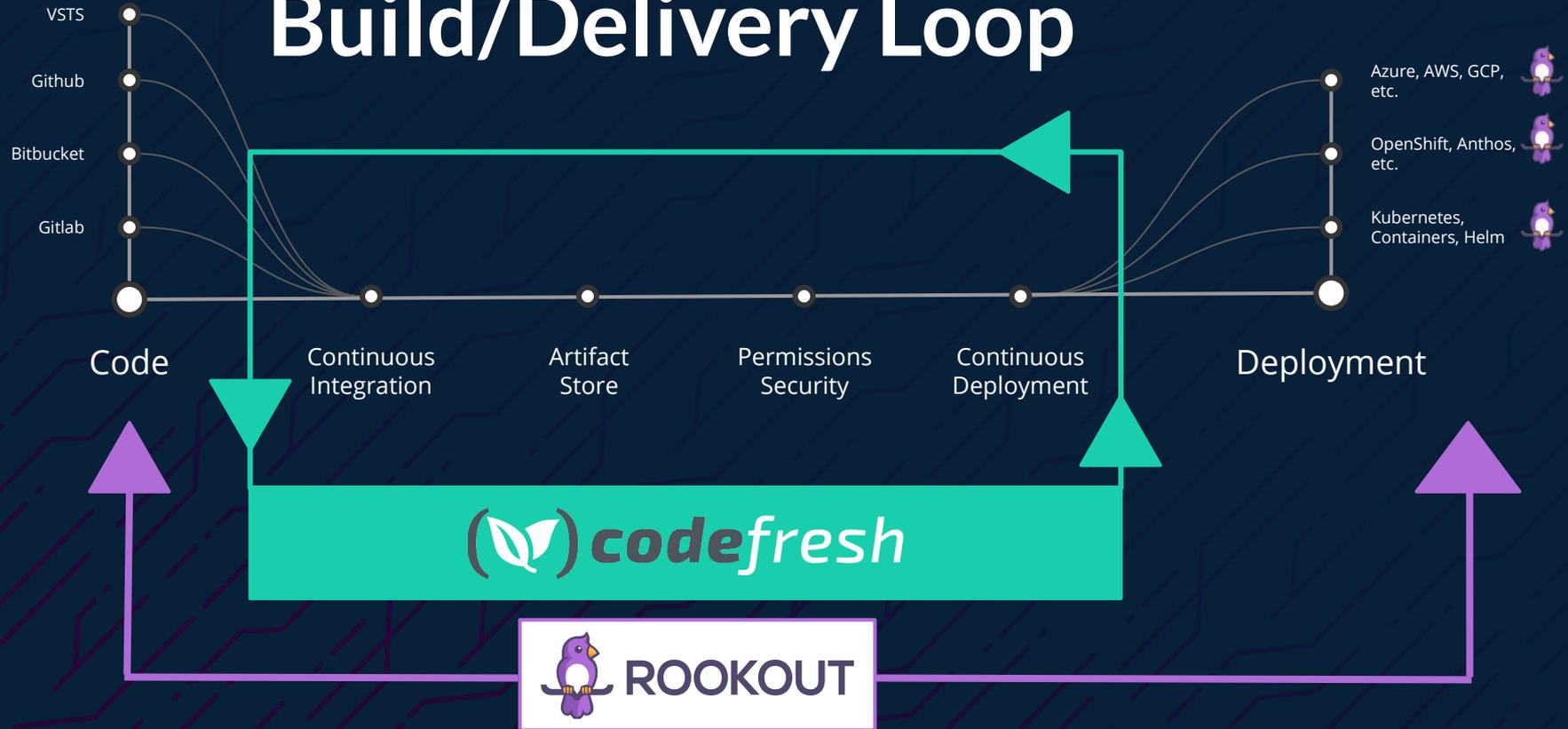
1 **5 MINUTES**
Introduction

2 **10 MINUTES**
Survival Kit

3 **20 MINUTES**
Live Demo

4 **10 MINUTES**
Q/A

The Code Build/Delivery Loop



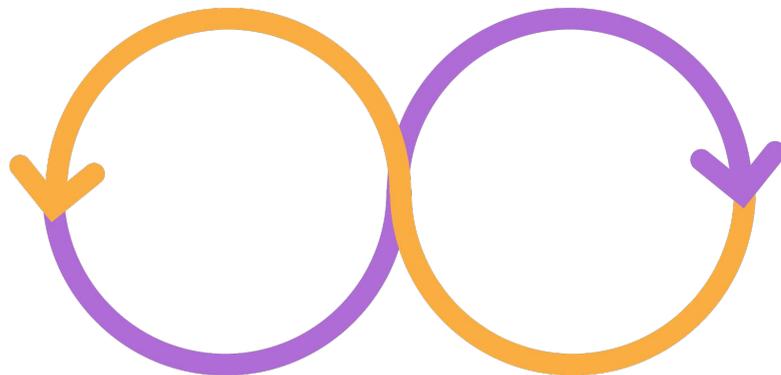


Engineers

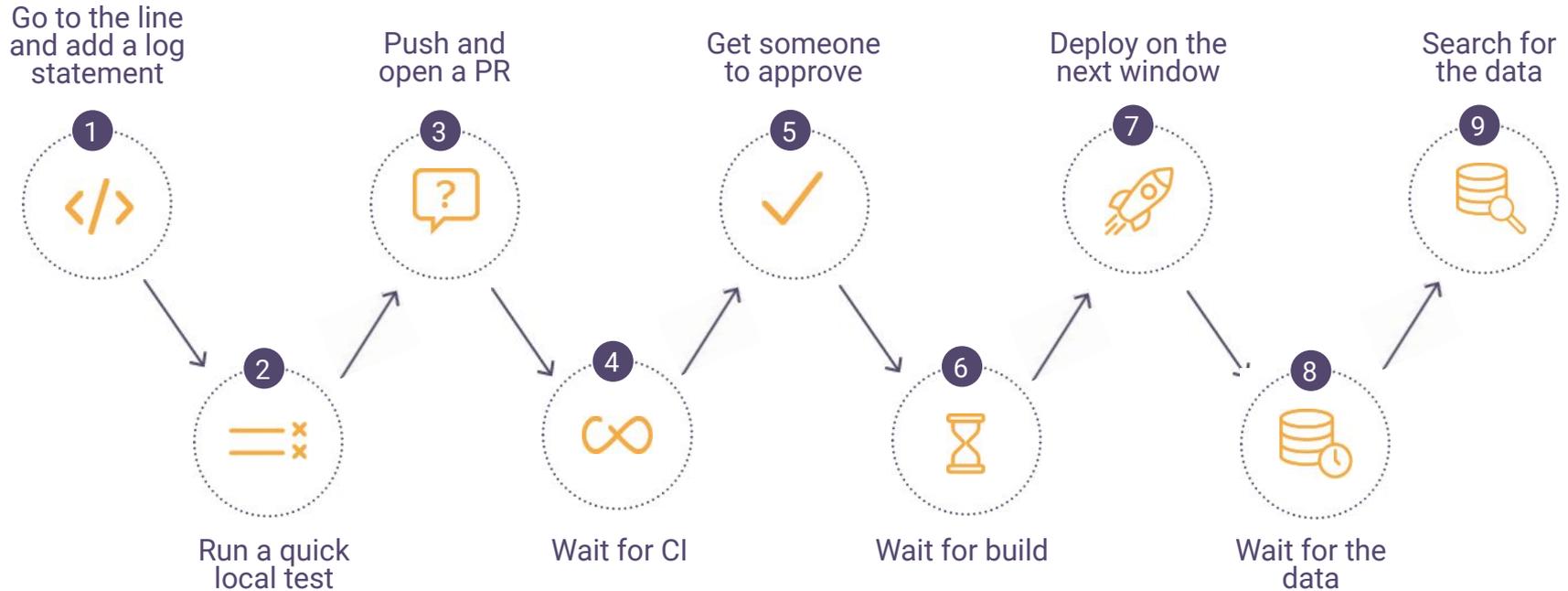
need to get **data** to
write **code**



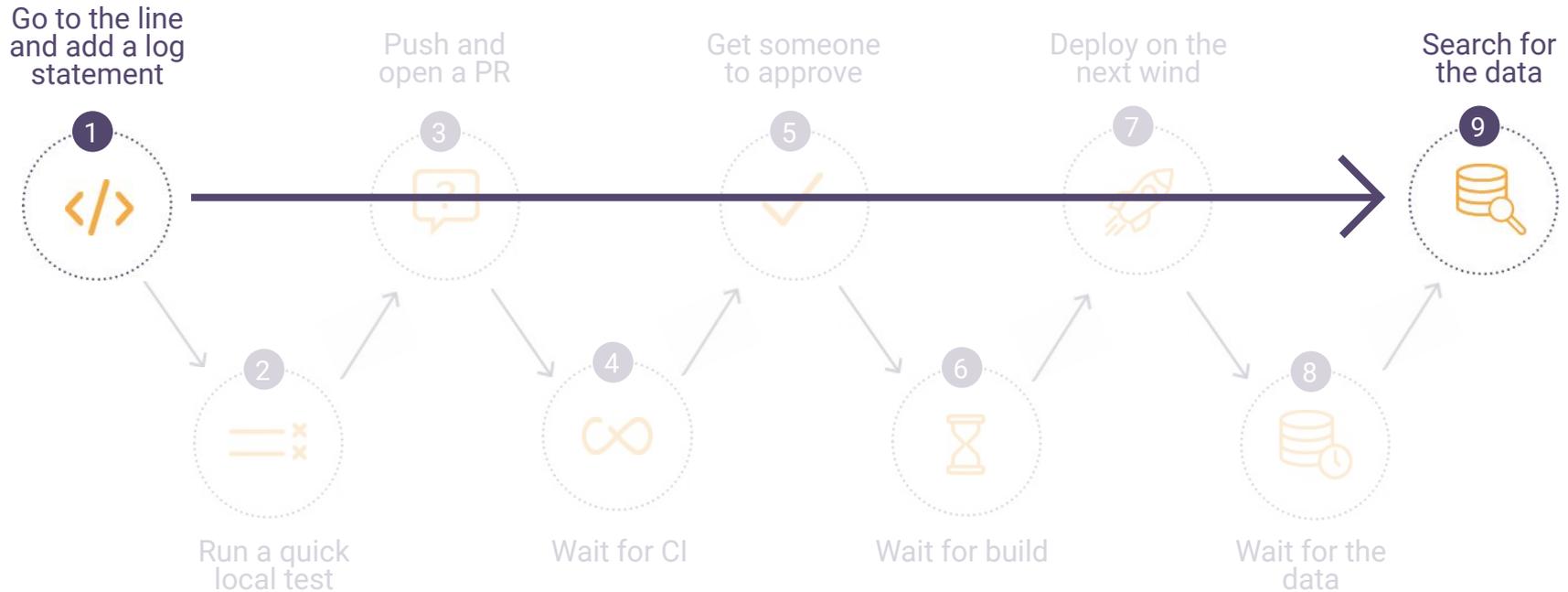
but they
need to write **code**
to get **data**



Getting data from a remote environment



Quickly, Simply



What is Rookout

- Rookout is a platform for live-data collection and debugging
- Rookout's non-breaking breakpoints let you collect any type of data on the fly with no extra coding, redeployments, or restarts



Codefresh CI/CD

Create Powerful Pipelines

Each step is a container image

Every public or private
container image can be a
pipeline step

The screenshot displays the Codefresh 'Builds' interface for a pipeline named 'example-voting-app'. The pipeline is in a 'COMPLETED' state. The interface shows a table of build steps organized into four stages: DEFAULT, BUILD, SECURITY SCANS, and PULL REQUEST. Each step includes a status icon (green checkmark), a step name, a step type, and a duration. The pipeline is associated with the repository 'salesdemocf/example-voting-...' and the commit 'new-vote-for-vcs/856fcd'. The pipeline size is 1.11 MB and it has a 'LOG' button. A 'RESTART' button is also visible.

STEPS	START TIME	DURATION	REPOSITORY	COMMIT	PIPELINE
19/19	20 hours ago	5 min 4 s	salesdemocf/example-voting-...	new-vote-for-vcs/856fcd	example-voting-app

STAGE	STEP NAME	STEP TYPE	DURATION
DEFAULT →	Cloning main repository...	git-clone	3 s
	GenerateReportsIndexH...	freestyle	2 s
	Upload Clair Reports	freestyle	5 s
	Set Pull Request Environ...	freestyle	3 s
	Set Pull Request Environ...	freestyle	2 s
BUILD →	Building Result Image	build	16 s
	Building Vote Image	build	16 s
	Building Worker Image	build	14 s
	Building Test Image	build	17 s
SECURITY SCANS →	ScanResultImage	freestyle	49 s
	ScanVoteImage	freestyle	45 s
	ScanWorkerImage	freestyle	1 min 44 s
PULL REQUEST →	Create Ephemeral Helm F...	freestyle	7 s
	RunPRDVTs	freestyle	2 min 30 s

Extensive Dashboards

Created for microservices and Kubernetes

Native support for Docker registries, Kubernetes clusters and Helm deployments

Works with any git provider, and any cloud provider

The screenshot displays the Codefresh dashboard for Kubernetes, featuring a search bar at the top right labeled "Search Kubernetes". The dashboard is organized into a grid of six deployment cards, each representing a different microservice or environment. Each card includes a status indicator (ERROR, DEPLOYED, or IN PROGRESS), a URL, a "Recent Activity" section with a list of events and their timestamps, and a summary bar at the bottom showing counts for SERVICES, DEPLOYMENTS, and PODS.

Service/Environment	Status	URL	Recent Activity	SERVICES	DEPLOYMENTS	PODS
accounts	ERROR	https://accounts.example...	1/24/20, 8:16 PM Tagged 2.1.3 1/24/20, 8:15 PM Configmap change 1/24/20, 8:13 PM Tagged 2.1.3	3	0	0
billing	DEPLOYED	https://billing.example.com	1/24/20, 8:13 PM Handled empty field 1/24/20, 8:11 PM fixed apply button 1/24/20, 8:09 PM rollback	7	0	0
orders	DEPLOYED	https://orders.example.com	1/24/20, 8:13 PM bump to 0.1.2 1/24/20, 8:11 PM bump to 0.1.2 1/24/20, 8:09 PM bump to 0.1.1	7	0	0
prod	DEPLOYED	https://example.com	1/23/20, 6:55 PM Pipeline with version reading 1/23/20, 6:53 PM Pipeline with version reading	2	0	0
qa	DEPLOYED	https://qa.example.com	1/24/20, 4:24 PM Tagged 1.2.4 1/24/20, 4:22 PM Tagged 1.2.3	7	0	0
staging	IN PROGRESS	https://staging.example.c...	1/24/20, 4:22 PM Config map change	3	0	0

Let's Automate!



LIVE DEMO

Unit & integration testing
Declarative infrastructure
PR Reviews
GitOps
iOS & Android builds
Parallel builds & deployments
Self-
Easy fixes = s
Provisioning env
Microservices = tons of pipelines
Scaling pipeline variations
Monorepos
Kubernetes
Shared dependencies
Deployment patterns
re complex
y releases
ntainers
less integrations
Git providers
Demos

Q/A



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