



Comment déployer des applications Cloud depuis mon IDE ?



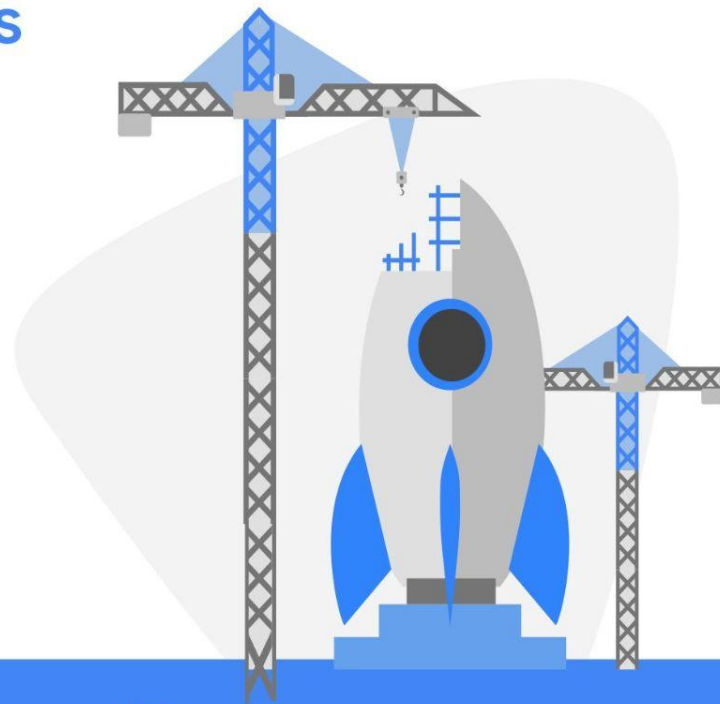
Mael Galite

App Dev Specialist



Julien Landuré

CTO



Mardi 10 Janvier
18h30 - 19h30



Station F
Google for Startups Room



Apero & networking

Getting started

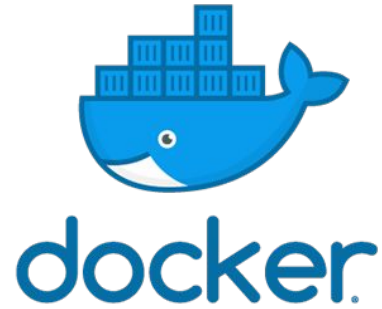
Story of a VueJS developer



Easy to hot reload on our laptop
natively with the javascript ecosystem



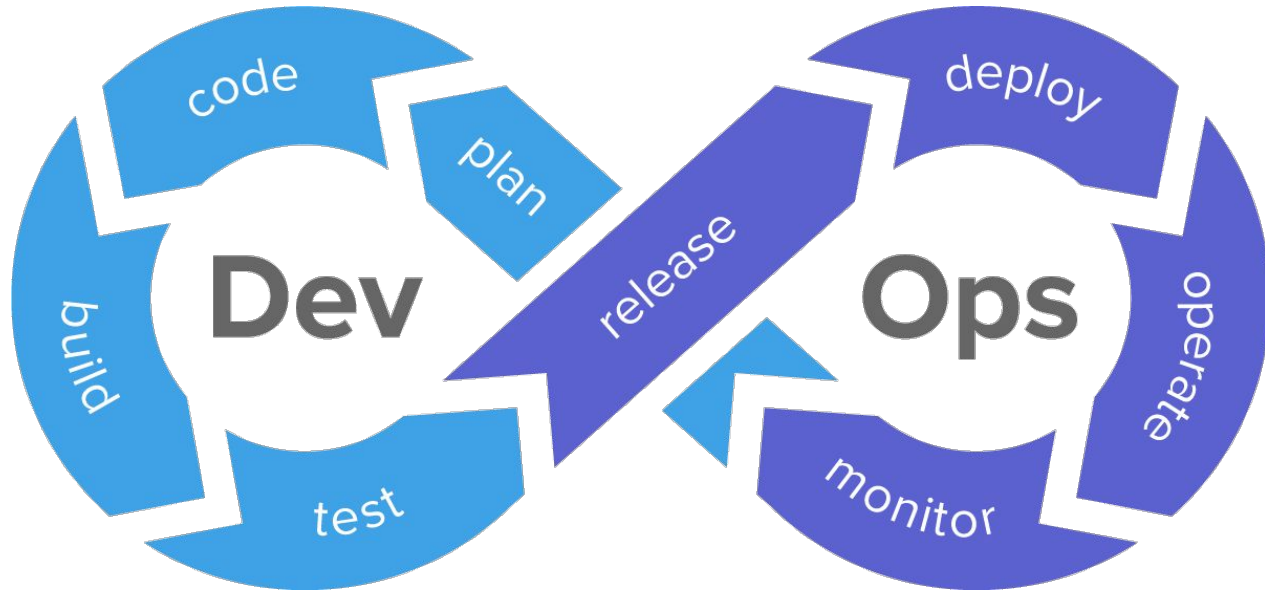
We are in a container world!



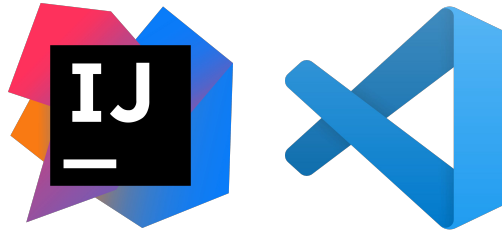
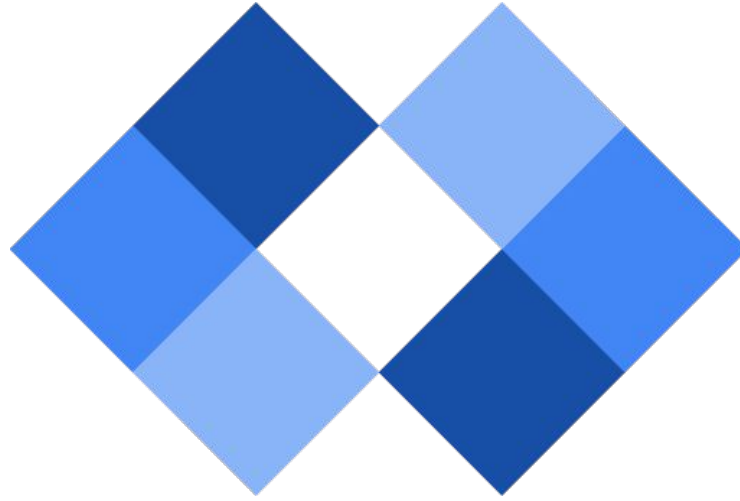
And many containers are orchestrated
with Kubernetes!



And we need to develop, test,
deploy and monitor our apps



Cloud Code



Open in Google Cloud Shell





Quick Start

Cloud Code Insider

What can I do?

Fast development loop

Develop Kubernetes apps

Develop apps on Cloud Run

Work with Google Cloud

Help & Documentation

Release Notes [↗](#)

Quick Start

Test, debug, configure and build upon a real cloud-native application by walking through simple steps using samples from Cloud Code - either by cloning a sample or try an guided tutorial online (requires a free Google account).

Kubernetes

Learn how to build and run an app on a Kubernetes cluster using a ready to run sample.

[↗ Try Guided Tutorial](#)

[Clone Sample](#)

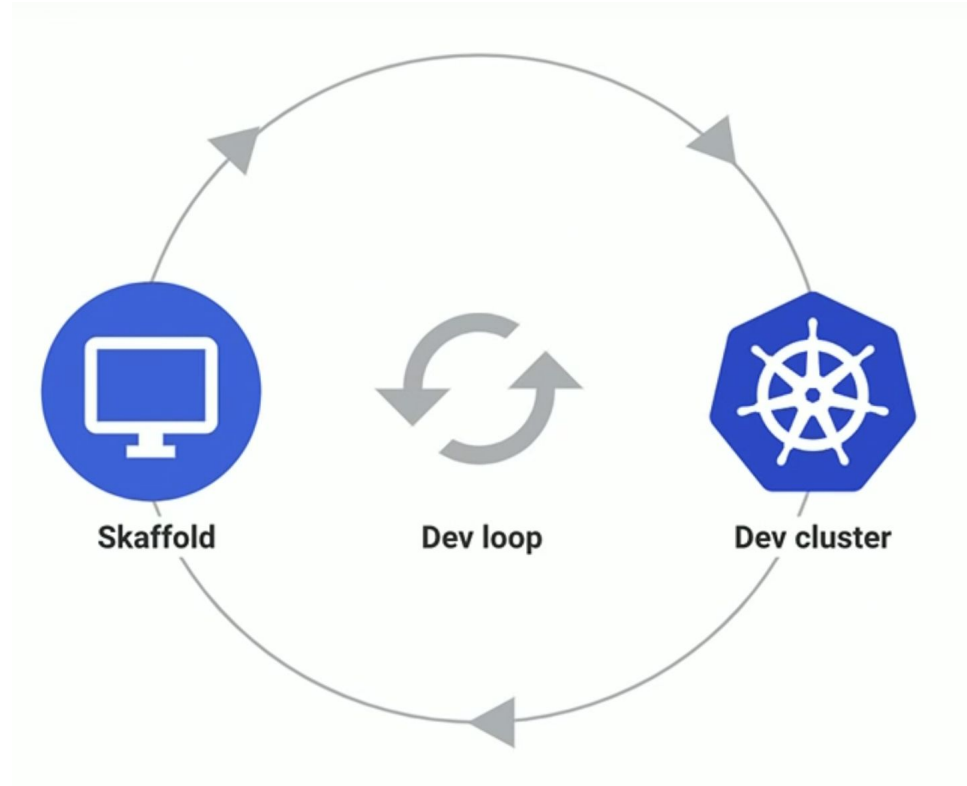
Serverless

Don't want to manage clusters but still want to scale? Learn how to deploy a sample app on Serverless using Cloud Run.

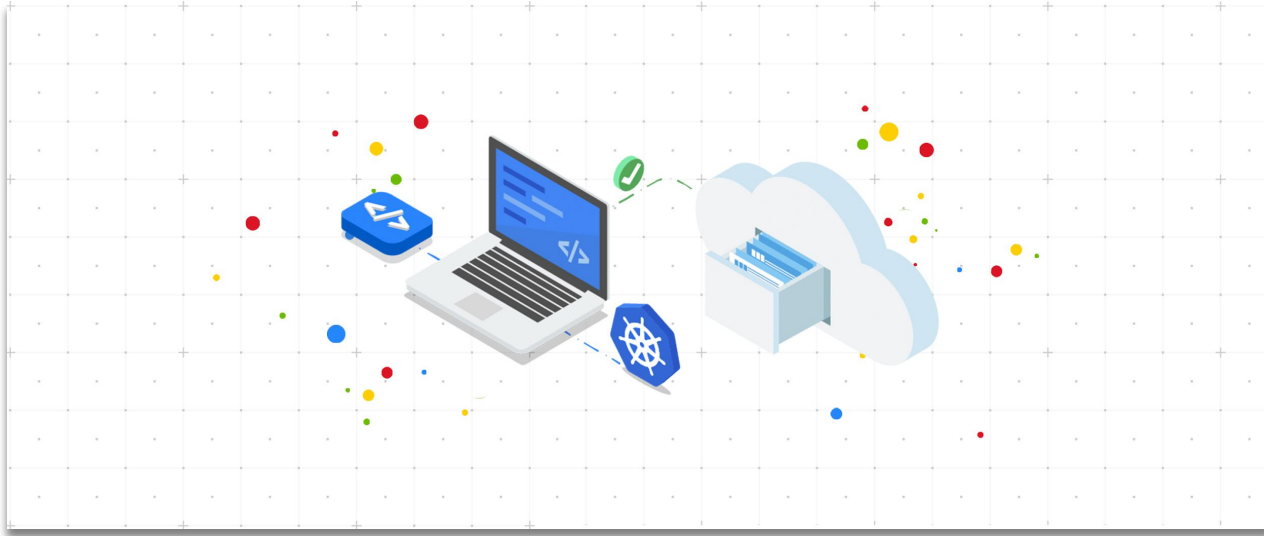
[↗ Try Guided Tutorial](#)

[Clone Sample](#)

⚡ Reduce context switching



🐛 Debug in real time
☁️ Deploy on a remote K8S





Spend less time writing YAML

```
! service.yaml 2, M ×
.k8s > ! service.yaml > {} spec
1  apiVersion: v1
2  kind: Service
3  metadata:
4    name: bootcamp-vuejs-service
5    labels:
6      app: nginx
7  spec:
8    selector:
9      app: nginx
10   type:
11   ports:
12     - po
13       no
14
```

ClusterIP
ExternalName
LoadBalancer
NodePort





Pricing



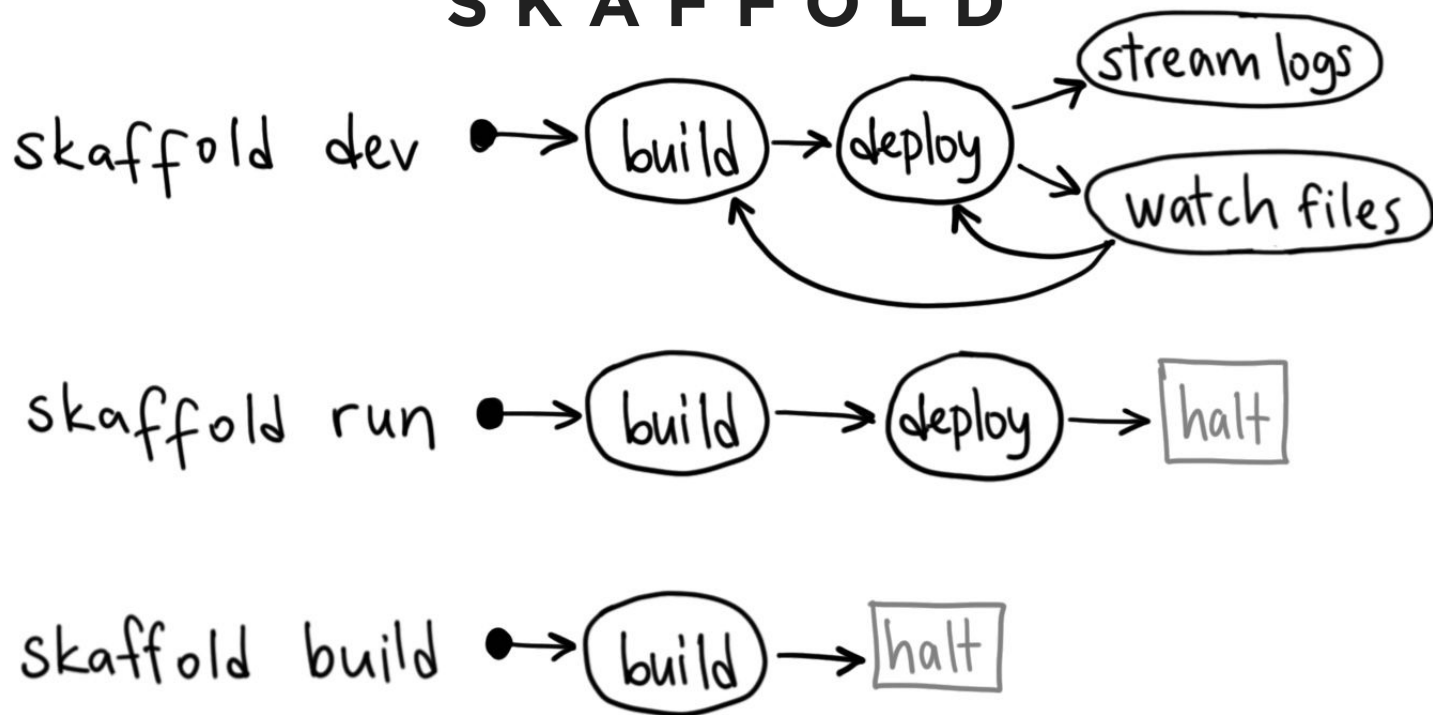
PRICING

Pricing

Cloud Code is available to all Google Cloud customers free of charge.



SKAFFOLD



How to test my containers?



<https://github.com/GoogleContainerTools/container-structure-test>



Demo



My experience

Cloud Code

Everything you need to write, debug,
and deploy your cloud-based applications.







Business Company
123 Corporate Blvd, Suite 5000
Fingert, NY 10000
Tel: 123-456-789-0
Fax: 123-456-789-1

Bill to: Curabitur suscipit, LTD
456 Pellentesque, Augdel
2W st. - SUO - 9999
987-654-321

No.	Description	Quantity	Amount
1234	Id rutrum	245.53	
2567	Sed interdum odio	554.57	
0034	Pellentesque molestie	492.74	
0460	Maecenas varius nisl	356.40	
4729	Integer luctus turpis	400.00	
4930	Quisque luctus turpis		
4933			



Serverless

What about Serverless Solution?





Cloud Run in 2019

Cloud Functions



App Engine

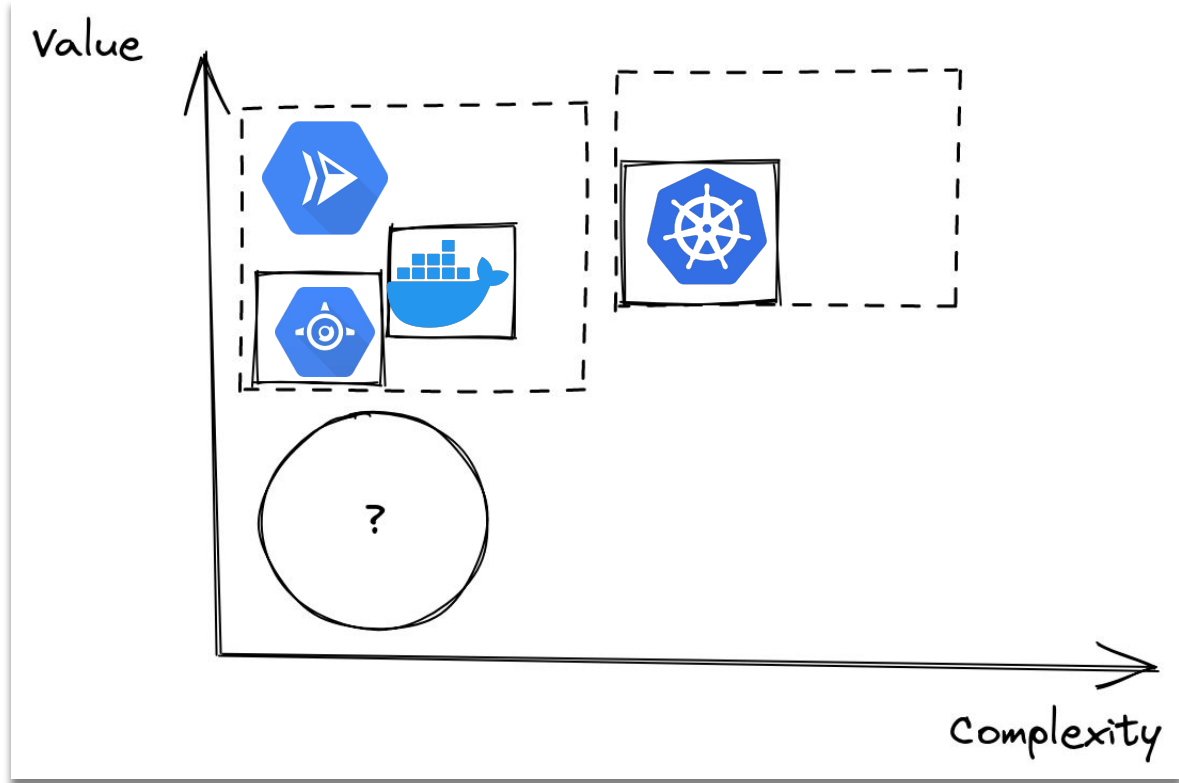


Cloud Run





Value x Complexity

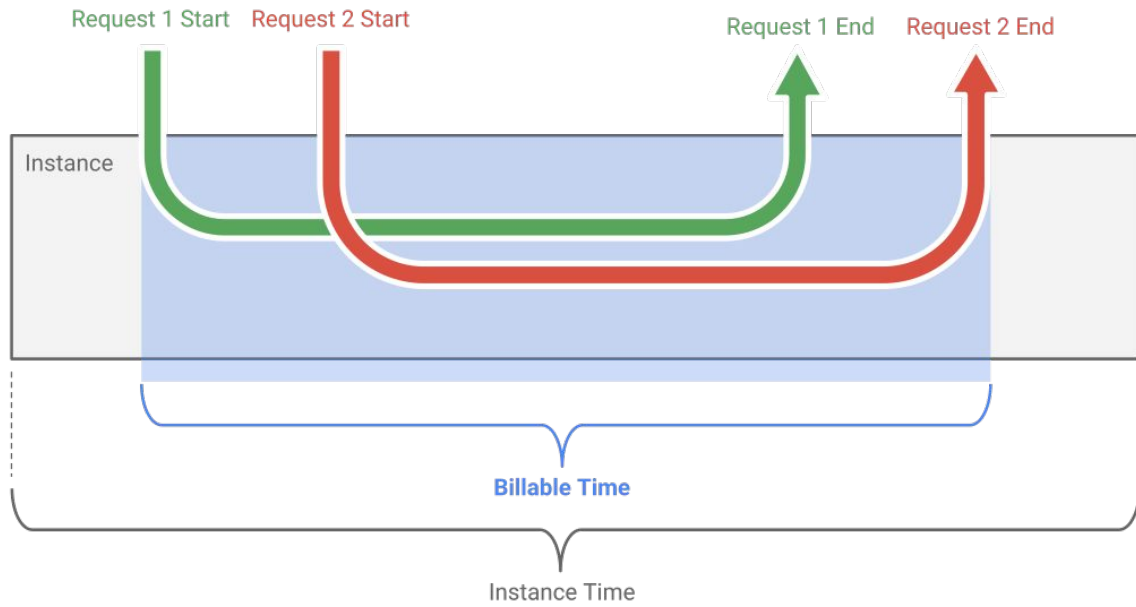




Serverless definition

Serverless computing refers to the concept of building and running applications that **do not require server management**. It describes a finer-grained deployment model where **applications, bundled as one or more functions**, are uploaded to a platform and then **executed, scaled, and billed in response to the exact demand needed at the moment**.

<https://github.com/cncf/wg-serverless/tree/master/whitepapers/serverless-overview>



Deploy **containers**
to production in
seconds



Auto-scaling
to support peak
traffic spikes



Compliant with
Knative





Cloud Run: **Serverless container**

Serverless container solutions are the future 🚀

Cloud Run is one of the TOP project Google Cloud

Release of AWS App Runner & Azure Container Instance & Scaleway Serverless Containers



Cloud Code Cloud Run

▼ **CLOUD RUN**

cloudevts-talk (julien.landure@zenika.com)

▼  francedevops-events europe-west9

▼  francedevops-events-00003-yul undefined%

▼ **Properties**

Revision Name: francedevops-events-00003-yul

Container Image: gcr.io/cloudevts-talk/helloworld-events@sha256:f...

Container Port: 8080

Autoscaling: Up to 100 container instances

CPU Allocated: 1000m

Memory Allocated: 512Mi

Concurrency: 80

Request Timeout: 300

Service Account: 223563461992-compute@developer.gserviceaccou...

URL: https://flag---francedevops-events-ejjxlt5vxa-od.a.run.app



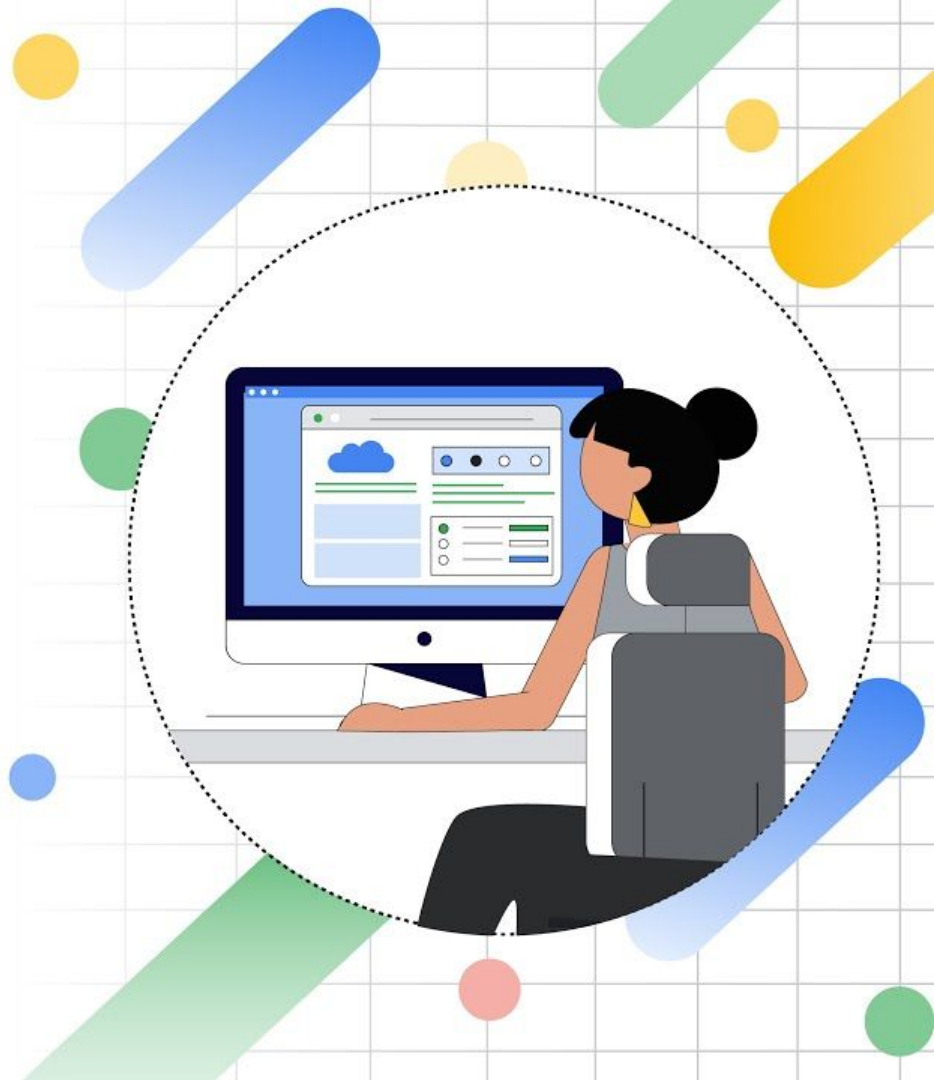
Demo





Google Cloud Workstations

Google Cloud





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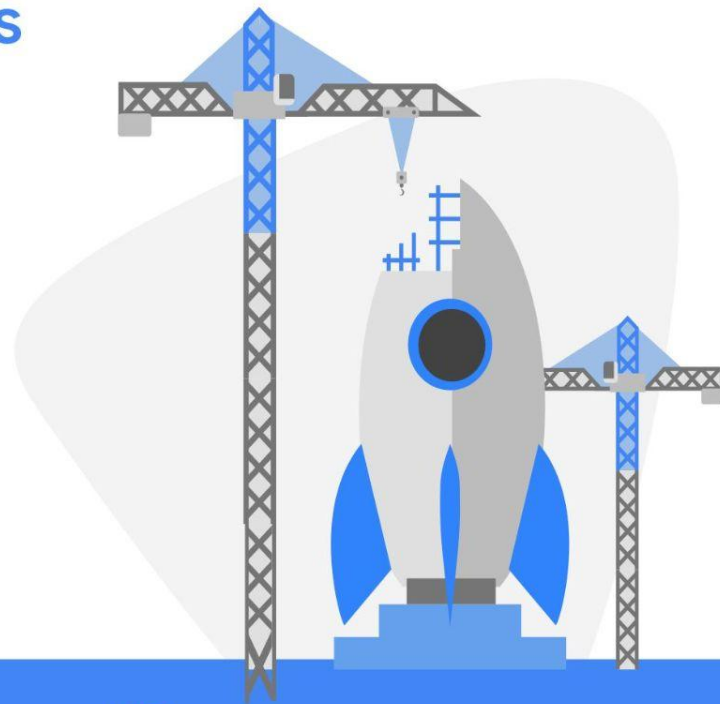
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