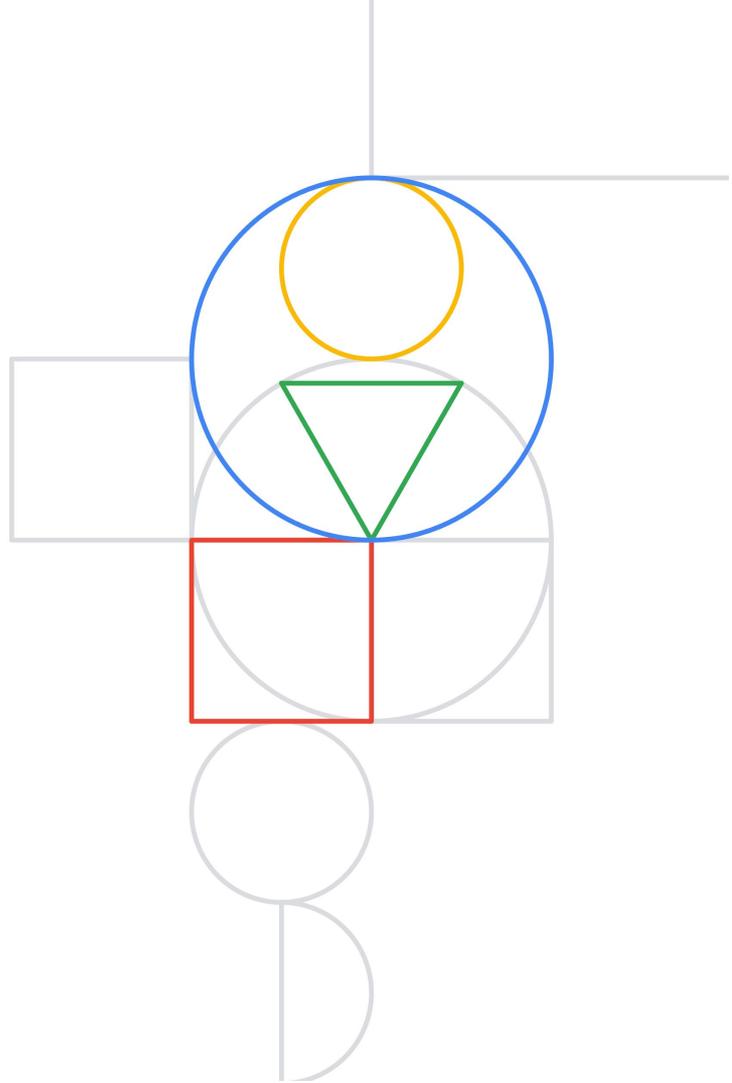# Making the impossible possible with Kubernetes

Rae Wang
Group Product Manager
Anthos, Google Cloud

Google Cloud

Google Celebrates Go's

10th Birthday

Google Cloud

Google Celebrates Go's

10th Birthday

Happy Birthday!

Kubernetes *makes the* impossible *possible* for gaming

Agones is designed as a batteries-included, open-source, dedicated game server hosting and scaling project **built on top of Kubernetes**
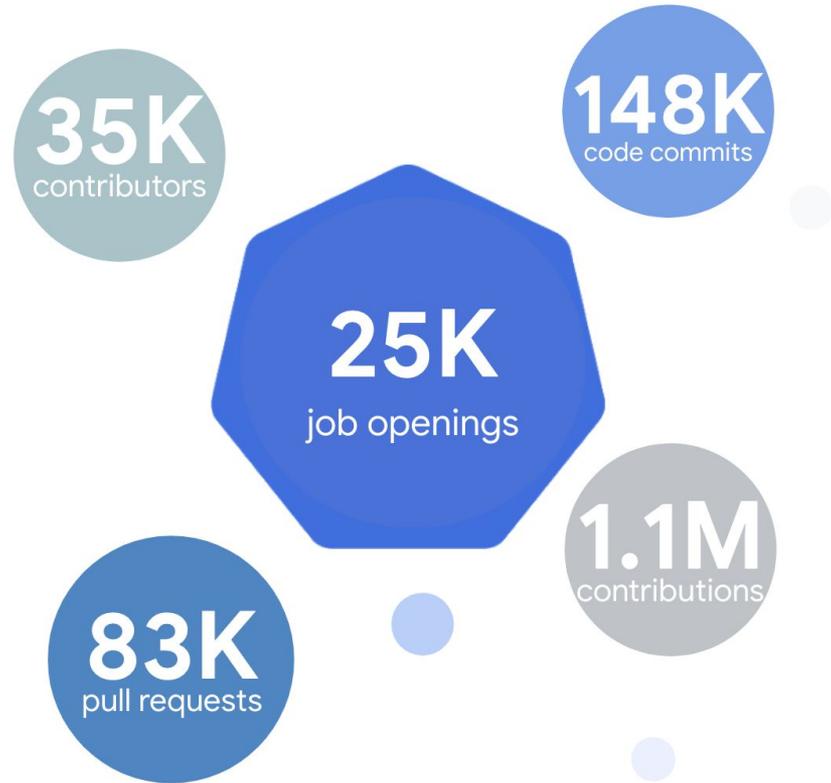
agones

```yaml
apiVersion: "agones.dev/v1"
kind: GameServer
metadata:
  name: "xonotic"
spec:
  ports:
    - name: default
      containerPort: 26000
  template:
    spec:
      containers:
      - name: xonotic
        image:
gcr.io/agones/xonotic:0.3
```

Google Cloud

Kubernetes
growth & impact

273 companies

with a **total market cap of $5.75T** and funding of $3.67B, are dedicated to training, distributing, hosting and more, **worldwide**.

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35K contributors

148K code commits

25K job openings

1.1M contributions

83K pull requests

2020 Predictions

Core of multi-cloud and hybrid

Scaling exponentially and efficiently

Extending beyond Clusters

"Equinix has embraced software-defined and container technologies, including Kubernetes, to develop a best-in-class technology stack for **hybrid, multi-cloud** environments, offering flexibility to adapt to the evolving business needs and infrastructure choices without having to rewrite apps or management tools."

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EQUINIX®

> "The biggest service currently running on Kubernetes takes about **10 million requests per second** as an aggregate service and benefits greatly from autoscaling. Before, teams would have to wait for an hour to create a new service and get an operational host to run it in production, but with Kubernetes, they can do that on the order of seconds and minutes.

James Wen, Site Reliability Engineer

Google Cloud

Spotify®

" As we went into BFCM 2018, we no longer had data center capacity to fall back on, but we were confident that with Google Cloud and Kubernetes, we had the extra support and **strong technology foundation** needed for a successful Black Friday and Cyber Monday. The big event came and went without incident. Our merchants collectively sold over $1.5 billion USD in merchandise that weekend, up from $1 billion in 2017." "

Camilo Lopez, Director of Production Engineering

Google Cloud

shopify

Many **more...**

k

ebay

The New York Times

EVERNOTE

Leadpages

STYLE THEORY

ninja van

GLOBALX

Pizza Hut

up

Optiva

South China Morning Post

Route4Me

RECURSION pharmaceuticals

tokopedia

TenX

FIT ANALYTICS

LenddoEFL

Rakuten VIKI

ALPHA VERTEX

Gordon FOOD SERVICE

coinhako

mercari

gorgias

CANACCORD Genuity

Current

Juiced.TV

sky

PaGaLGuY The Education Network

Endowus

tiso blackstar group.

mixpanel

M

CHANGING.AI

Thank you

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