

The personal cloud & the monster that makes it

Leipzig Gophers #31

<https://jobs.deta.sh/>

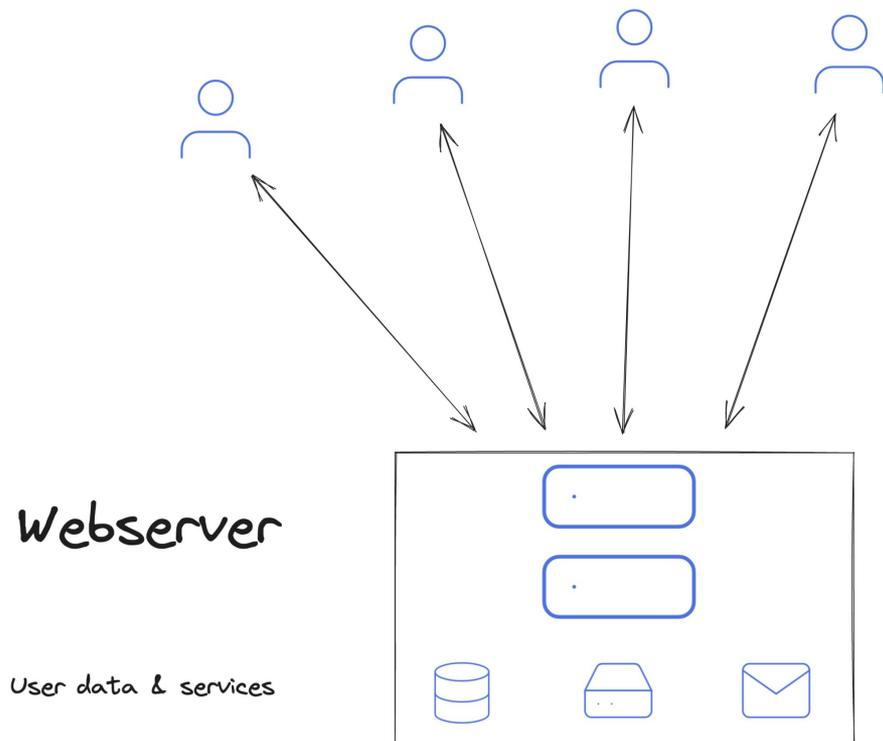


Deta

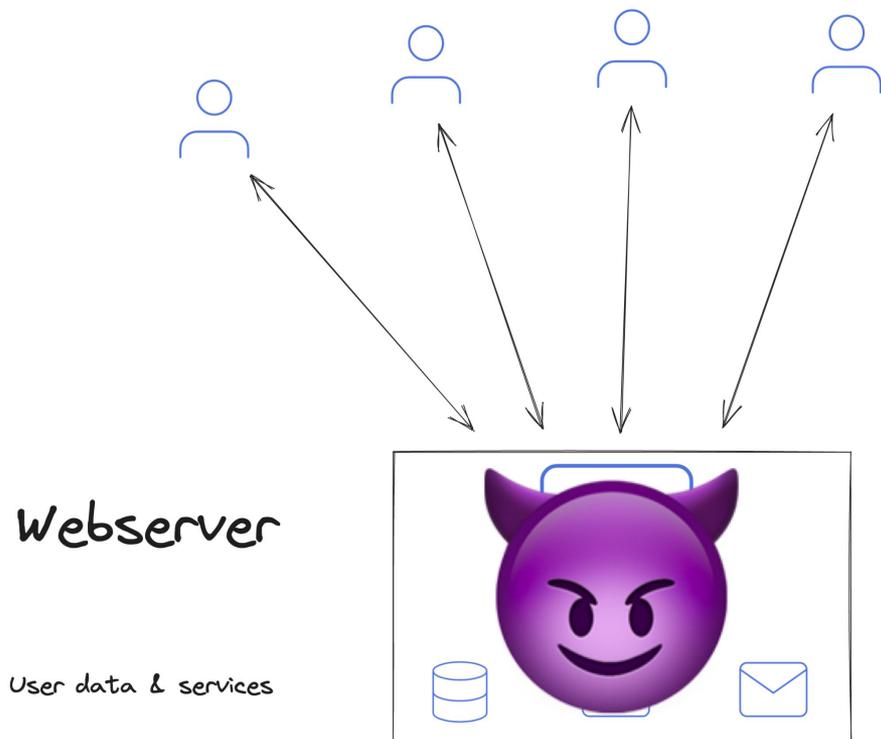
Deta

- Cloud computing startup founded 2019, in Berlin
- Hiring great engineers to work on hard problems (using Go):
 - <https://jobs.deta.sh/>
 - hiring@deta.sh

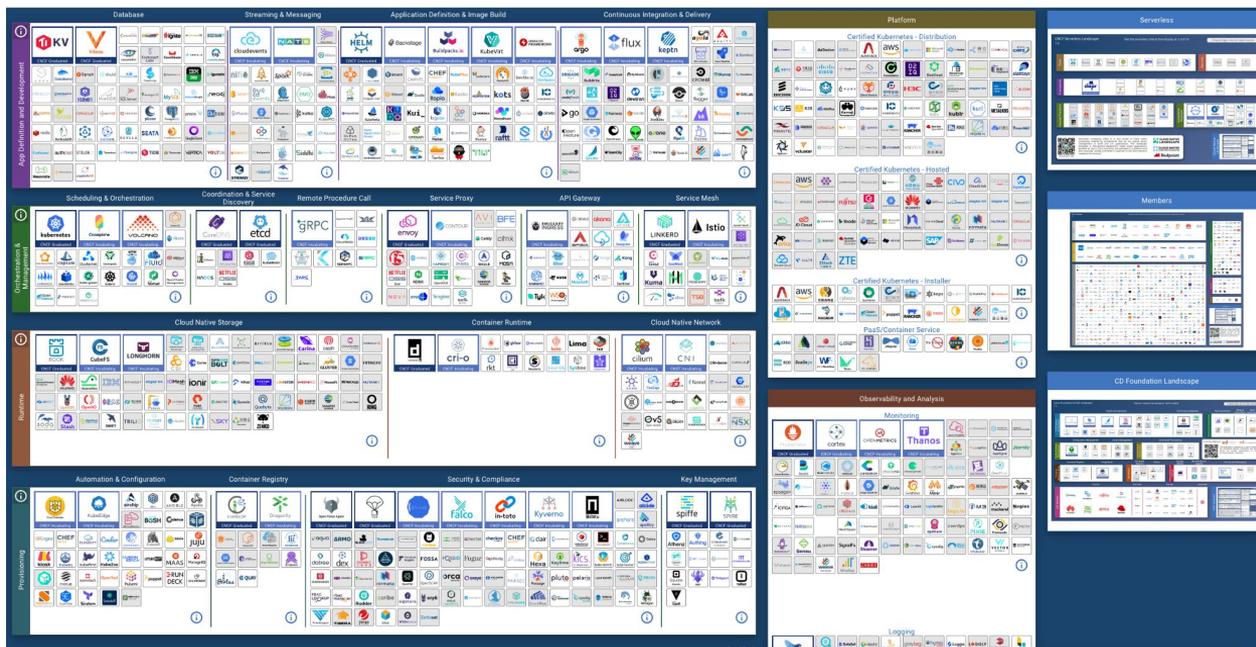
The public cloud



The public cloud: **an unfriendly monster**

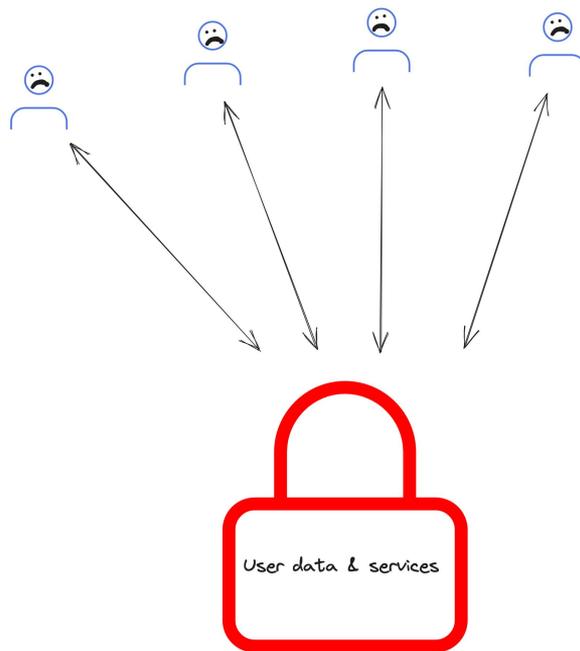


App devs are forced to fight



<https://landscape.cncf.io/?zoom=60>

End users (*esp. devs*) have little control

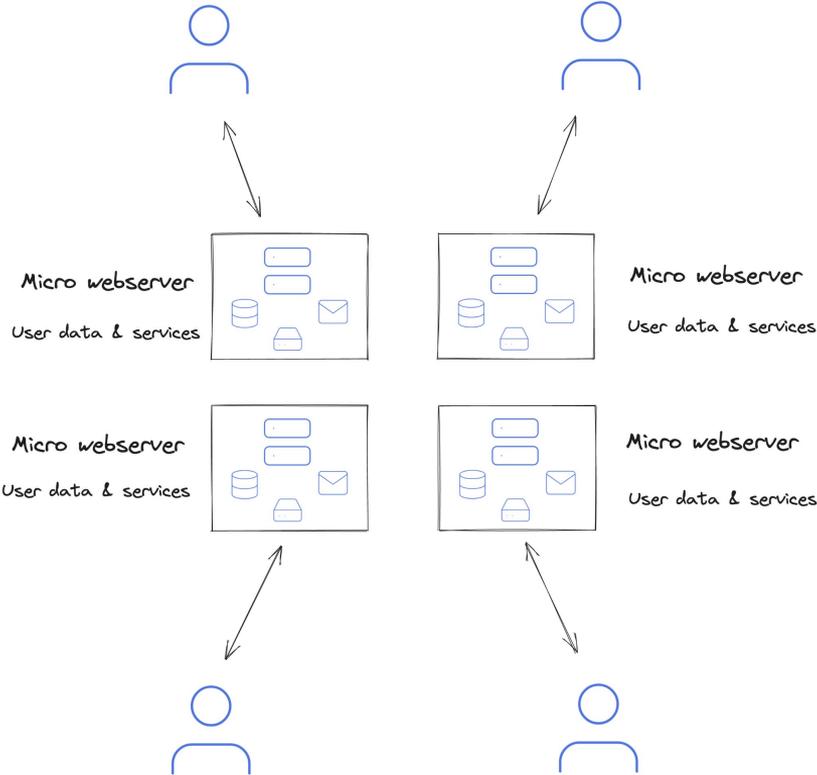


Deta Space =
a universal cloud +
a personal computer

or a 'personal cloud'

Demo

Personal Cloud



Deta Kaiju (a friendly Monster)

Our platform for running ephemeral tasks:

- Frontend builds
- Compilations
- Dependency installations
- Container builds etc.

Eventually we plan to make it our runtime for Deta Micros (serverless functions)

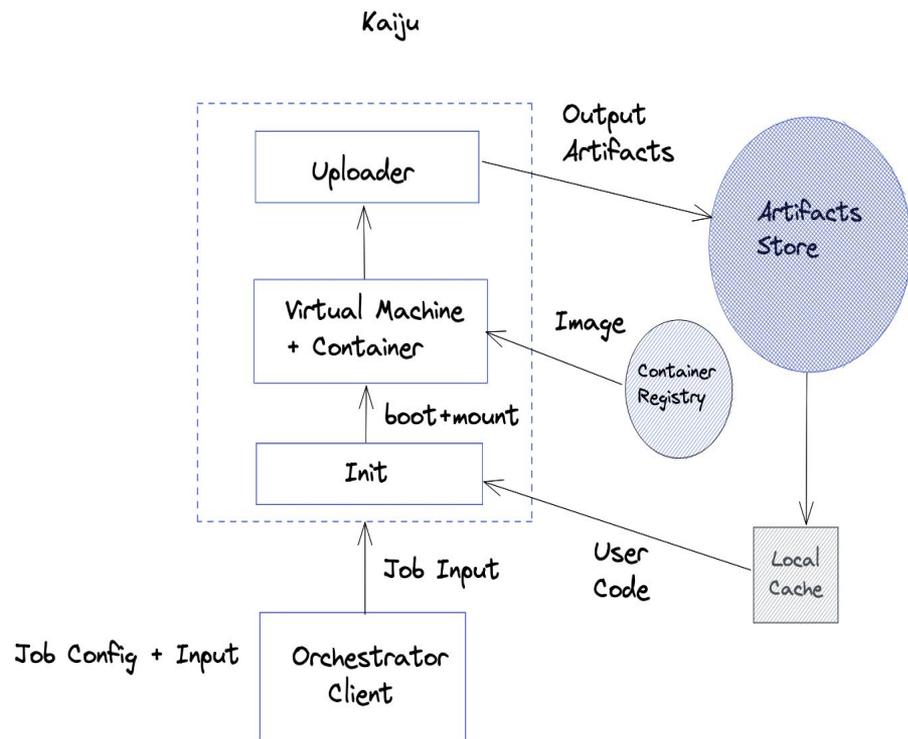


Deta

Kaiju Data Plane

Main requirements

- **Arbitrary code execution**
- **Multi-tenant**
- Fast
- Tight control over resource allocation
- Persistence
- Horizontally scalable



Firecracker



Firecracker

- Open source
- Powers AWS Lambda and Fargate

Firecracker And Containers

For Kaiju, each job is run as a containerized workload in the Data plane

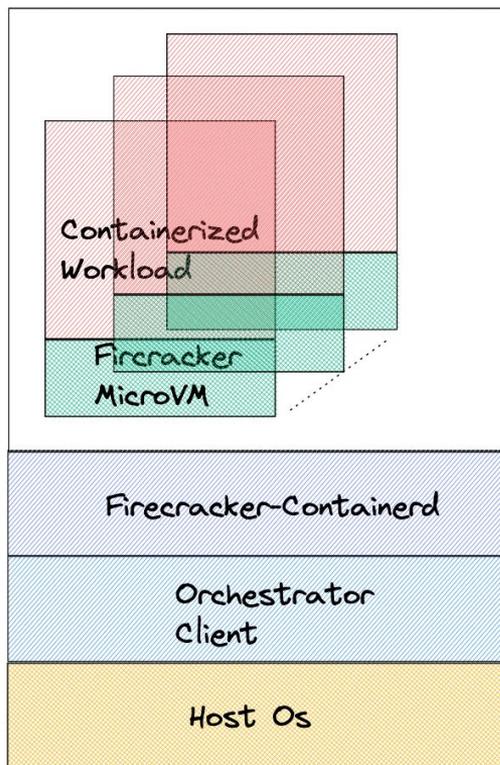
Containerd

Firecracker And Containers

Firecracker-Containerd

- Enables containerd to manage containers as Firecracker microVMs

Firecracker And Containers



Thanks!

We also hiring!

<https://jobs.deta.sh/>

Questions?