

CONTROL AND CHAOS

Cloud platform engineering
in hyper-growth



LUNAR[®]



\$ whois kenneth fiil

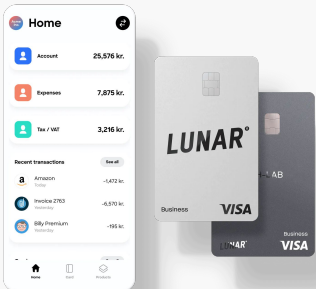
\$ joined lunar september 2020

\$ head of technology

**\$ experience from danske bank, research, CTO,
co-founder, developer, management consulting,
business development ... a total of 13 years of fun**

\$ 350 days since last push to product

LUNAR[®]



650

Employees



European Banking License issued
in Denmark

We have offices in
these locations



15,000

Total number of Business
Customers



500,000

Customers in total



Company founded in 2015

€345m

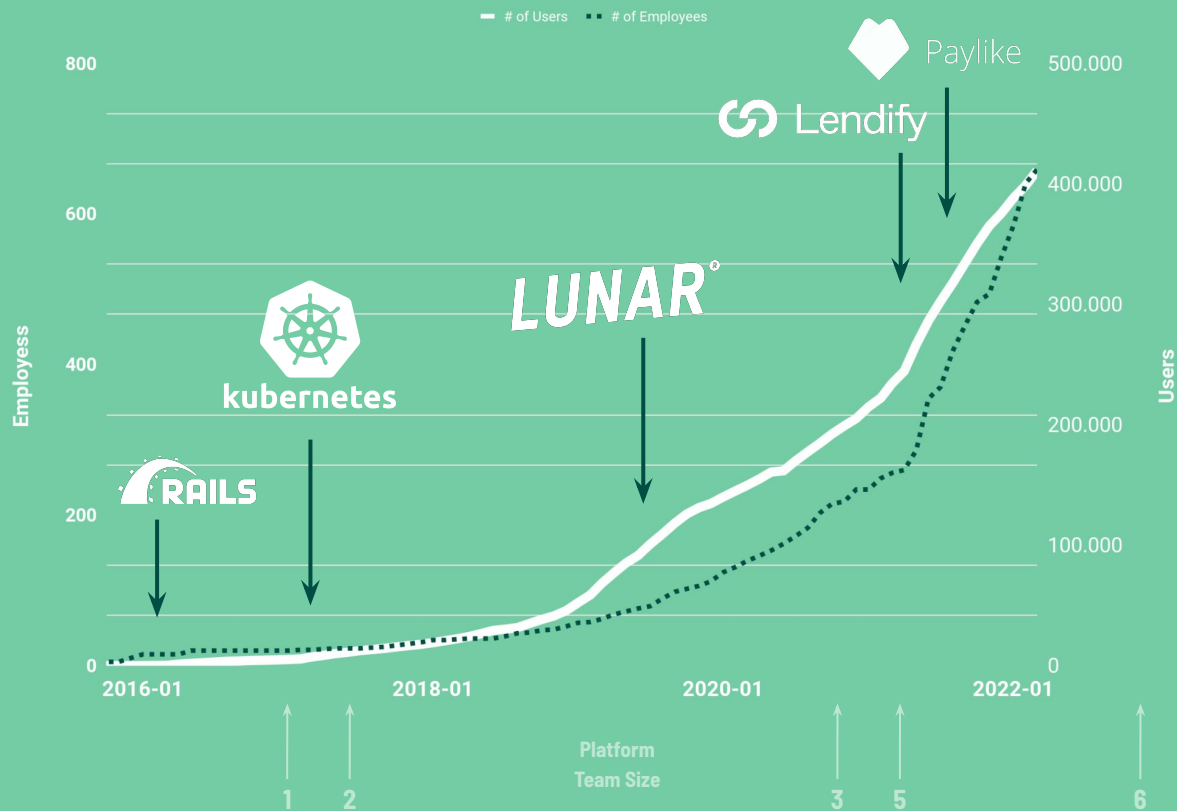
Total amount raised

Series D ✓

Recently closed our Series D of €210m

HYPER

SCALE & GROWTH HISTORY



lunar
way®

LUNAR TECH AT A GLANCE

On average more than

40

Deployments to production per day

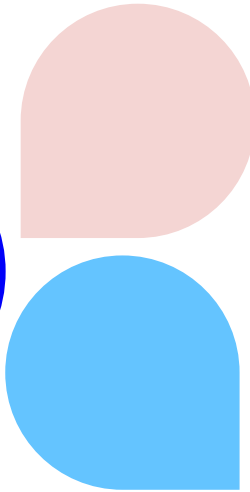
151 FTE'S
+80 hires within 12m

24
Squads across 4 hubs

More than
450
µServices

Multi-cloud
#3
AWS, Azure, GCP

100+
Releases per day



Our Product is Tech
Tech is our Product

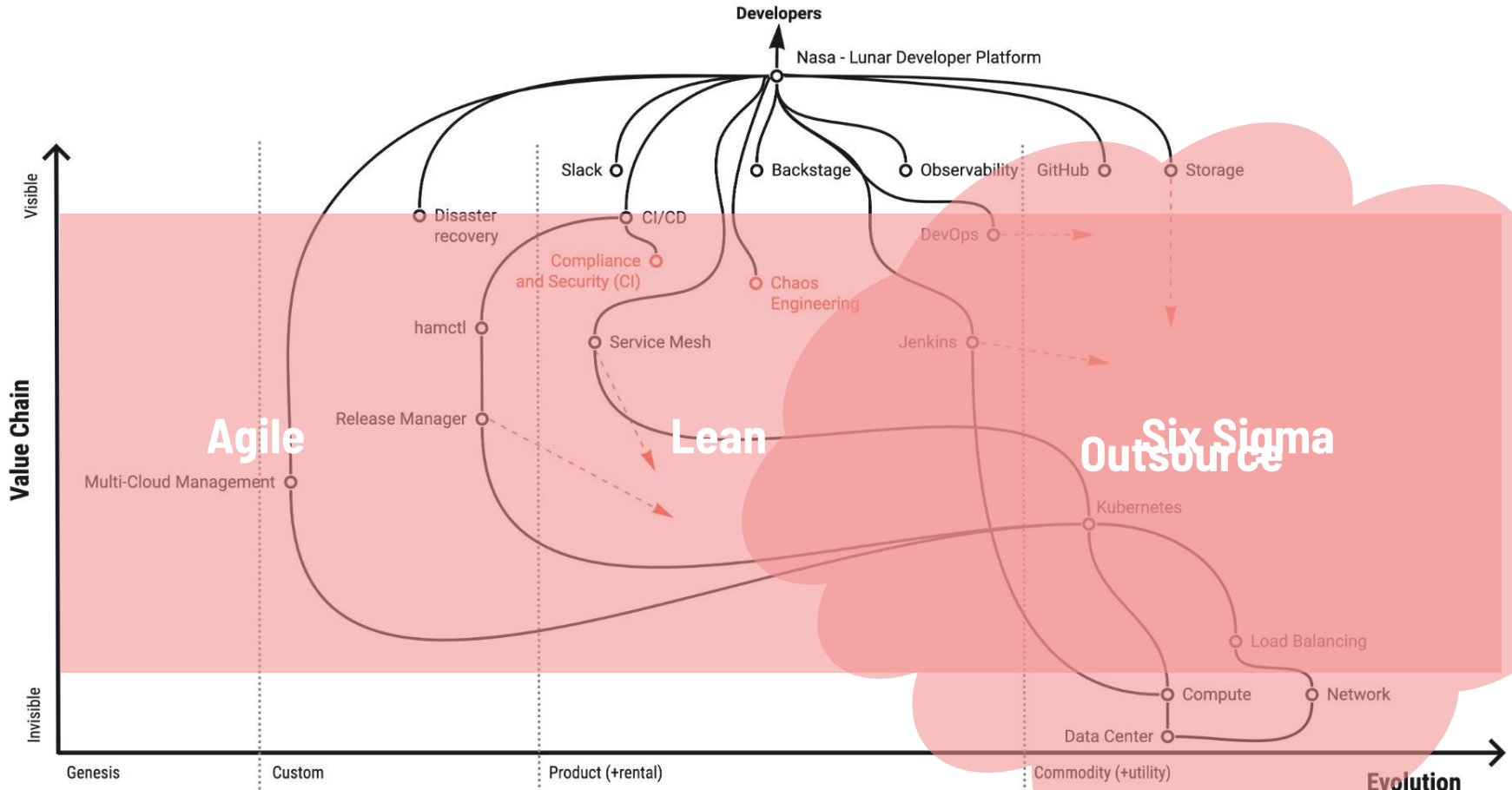
At LUNAR

Everything is Technology

**Computing may someday
be organized as a public
utility just as the
telephone system
is a public utility**

- Professor John McCarthy, MIT centennial celebration, 1961





How the map is anticipated to be

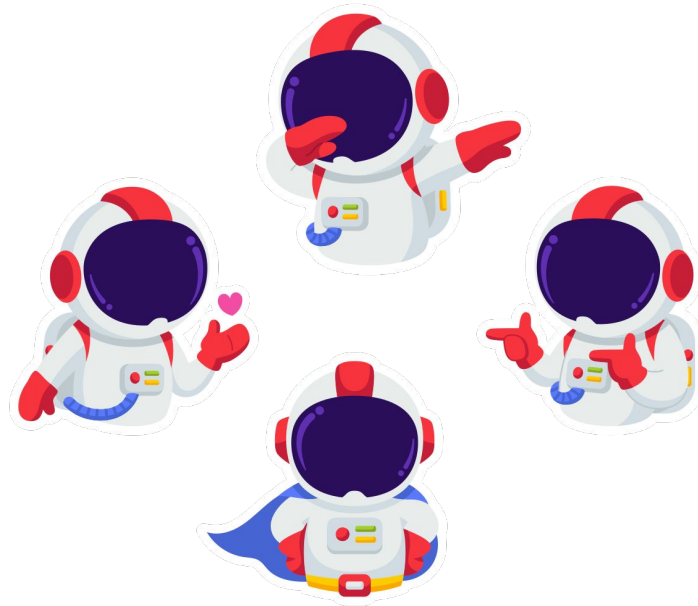
THE PLATFORM MISSION

Continuously accelerating our ability to deliver value to our customers with technology.

We do this by building and maintaining a trusted self-service platform that empowers Lunar developers to move fast, easy, efficiently, compliant, and secure focusing on high quality, self-service access to enabling technology.



HOW WE ORGANISE



**Small decoupled, self-contained and autonomous teams that owns their own destiny
we call this "squads on a mission"***

HOW WE THINK

"You build it, you run it"

Fast feedback loops



We encourage mistakes

People over process

HOW WE BUILD

Self-service platform for developers to consume

Reconciliation and agents rather than configuration management

Cloud agnostic and open source



Application &
DevEx Platform



Application
Platform



Google Cloud Platform

Data
Platform

**TREAT DEVELOPERS AS
CUSTOMERS, BY APPLYING A
PRODUCT MINDSET TO THE
ENGINEERING PLATFORM AND
TOOLING**

#squad-nasa - Mar 3rd



Kasper J. Hermansen 22:41

I really think what you've built is pretty cool. I am just setting up my first service, and the stuff given out of the box is insane. I had to wrap my head around the fact that I don't have to setup any infrastructure code myself. I.E. getting http handlers, servers, amqp, db connection and so on. Just with an interface. It really makes development that much easier. It may be a bit difficult to get started when you come from the outside industry where you have to use the libraries and now cannot find them (because of dependency inversion). But for building business applications it really makes an experienced developer that much more efficient. So gg from here. lets see if the honeymoon period will last, but for now I am gonna continue exploring fx-baseservice for a look behind the curtains.

I don't have to setup any infrastructure code myself.

Next a question: does the app during local development automatically load the .env file. Or do I have to do anything special to do it? I couldn't find it from fx-base with just a cursory glance. =D

cosmtrek/air

Live reload for Go apps

Stars

6194

Added by GitHub

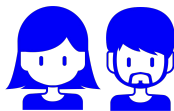
6 reactions 5 replies

Language

Go

WE  DEVELOPERS

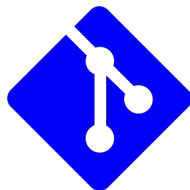
Operating and Managing Platform and Infrastructure by Code



all changes are **audited** and no access to production systems is needed (ideally)



desired state
expressed
declaratively

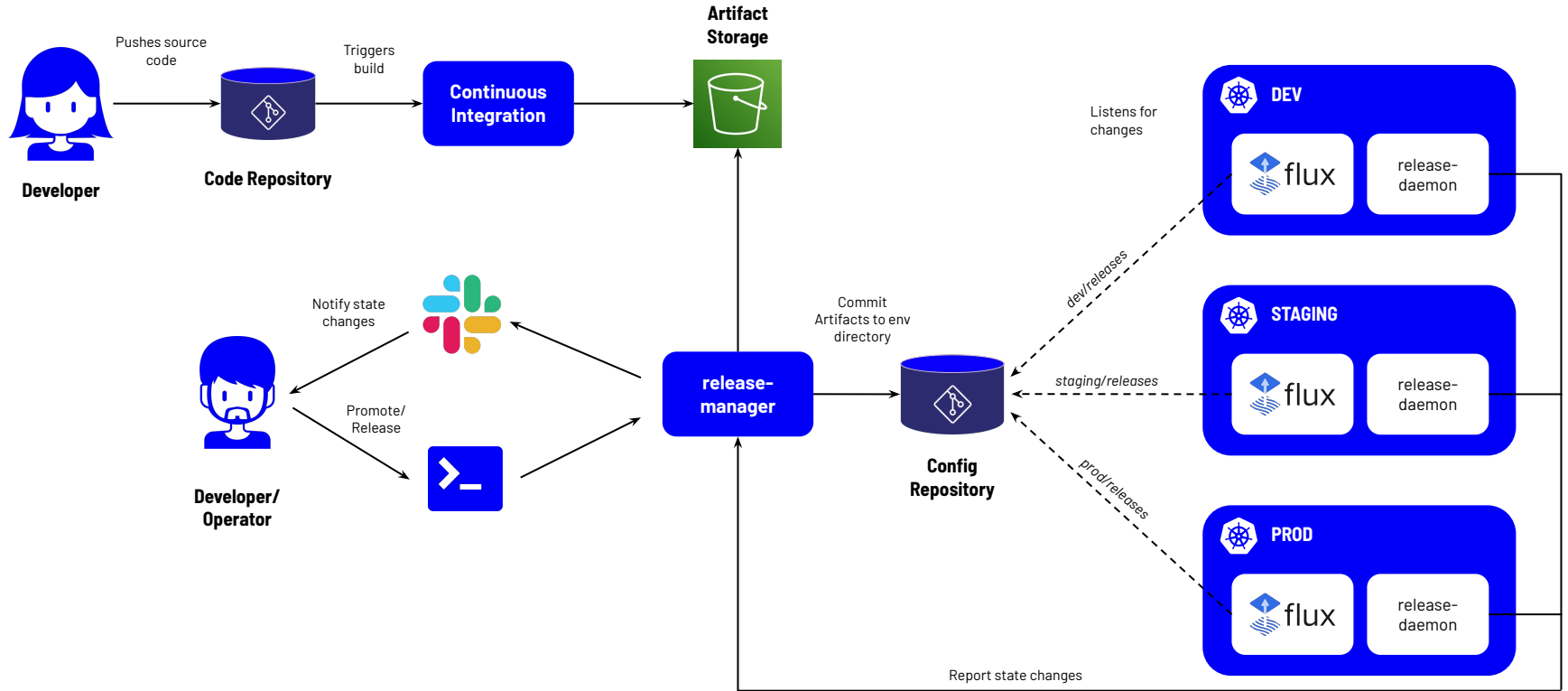


stored in a way that supports **versioning**, **immutability** of versions, and retains a complete **version history**

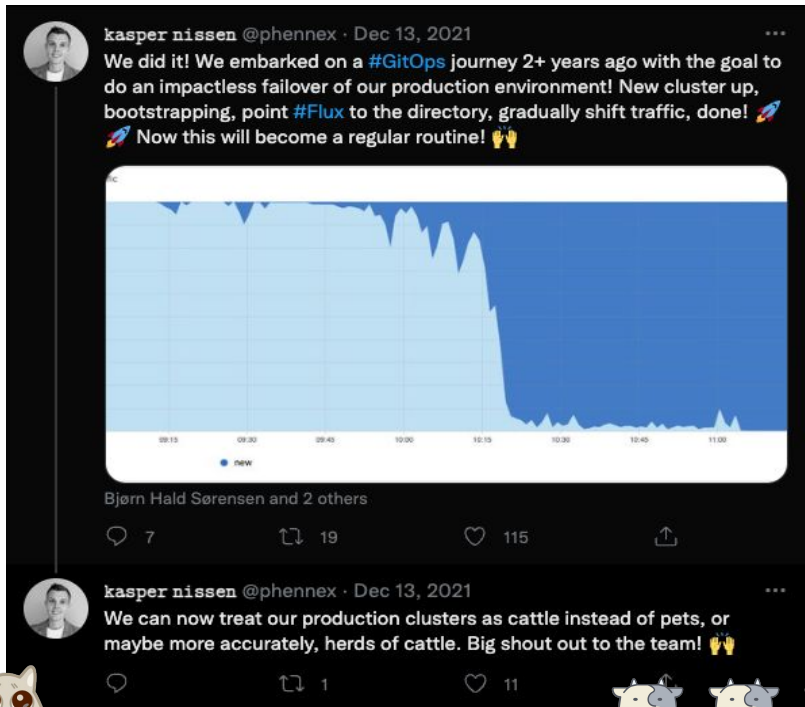


software agents continuously, and automatically, compare a systems **actual state** to its **desired state**





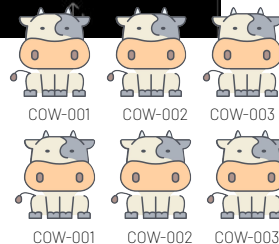
Welcome to the new normal Production clusters as Herds of cattles instead of pets



LUCY

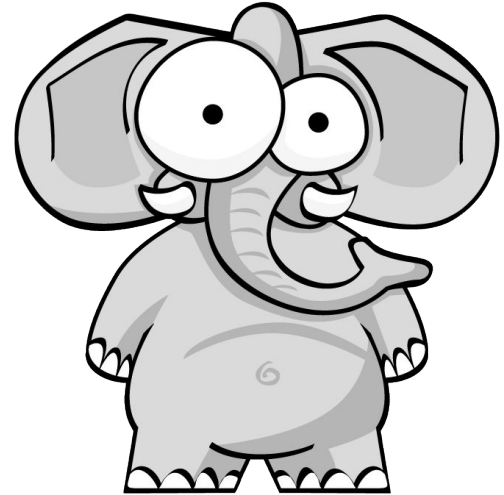


TANGO



Let's talk about the elephant in the room

WHY MULTI-CLOUD?



Danish neobank Lunar acquires Swedish lender Lendify

Written by [Ruby Hinchliffe](#) 22nd April 2021

Lunar, the Nordic neobank with offices across Denmark, Sweden and Norway, has acquired Swedish lending and savings platform Lendify.

The deal, the sum of which remains undisclosed, is part of Lunar's expansion strategy.

The Danish challenger intends to grow its consumer credit offering through Lendify, having launched its own credit buy now, pay later product back in December.

Lendify's loan book is worth some €300 million, bringing with it 40,000 active savings and loan customers.

Lunar, which has acquired 250,000 customers of its own, will also use Lendify's customer base to shore up its position in the Swedish market as part of a wider pan-Nordic expansion play.

"Lendify has for several years been considered one of the leading fintech companies in the Nordics."

Lunar set to acquire Norwegian digital bank Instabank for €132m

Written by [Alex Pugh](#) 29th March 2022

Danish neobank Lunar looks set to continue its Nordic expansion with the acquisition of Norwegian digital bank Instabank.

Lunar has offered €132 million in cash to buy Instabank, representing NOK 3.75 (€0.39) per share.

Instabank's board has voted unanimously to approve the deal, as have shareholders representing 73% of the remaining share capital.

Lunar says the deal will "significantly increase" its footprint in Norway and "additionally open the door to the Finnish market ahead of launching its full product offering".

Instabank's chair of the board of directors, Cathrin Nylander, says the combination of Instabank and Lunar will create "a strong Nordic fintech attractively positioned to compete with the Nordic banking leaders".

Founded in 2016, Instabank claims more than 60,000 customers in Norway, Finland and Germany, providing both secured and unsecured loans and savings.



Lunar has offered €132m in cash to buy Instabank



Like for an undisclosed sum.



Paylike was founded in 2015 and operates across Europe

g its banking licence in August 2019.

MULTI-CLOUD GIVES ACCESS TO FIT FOR PURPOSE TECHNOLOGY

Utilize the best offerings of each cloud provider.

Avoid vendor lock-in for leaner exit strategies

MULTI-CLOUD SUPPORT THE LUNAR GROWTH STRATEGY

Ensure a cloud agnostic platform to support acquisitions and mergers

HOW WE MEASURE SUCCESS

2 - 5 MIN

to launch a new service in production

1 - 6 WEEKS

to validate a change was useful to the customers

4 - 8 WEEKS

to become productive on a new team,
most developers have pushed to production within the first week

NORTHSTAR METRICS



> 40

Deployment Frequency

We release on-demand, on average above 40 times per day, including weekends, holidays etc.



5 min

Lead Time for Changes

How long it take to go from code committed to code successfully running in production.



5 min

Time to restore service

We favour failing forward but do see some rollbacks.



< 5%

Change Failure Rate

The percentage of changes to production or released to users results in degraded service.

=sum(A1:26)

**Cloud computing is simply the shift from generic products to commodities.
If you treat commodity activities as innovation, you will be stuck trying to catch up.**

Cloud is not about the tech or business model but the practices that it enables.

**Changing practices means your universal principles of operating, values (things you do)
and behaviours (actions taken to support your values)**

**Feedback loop metrics can clearly show how developer effectiveness is improved or worsened
and if you should change your practices to keep up with the competitors.**

Practices we have in Lunar to succeed

Treat developers as customers, applying a product mindset

Stand on the shoulders of giants, open source matters

Treat everything as code - gitops workflows,
immutable, declarative Infrastructure as Code

Optimize for fast feedback loops and apply the principles of flow

**THANK
YOU**

reach me at kfi@lunar.app or [linkedin.com/in/kfiil](https://www.linkedin.com/in/kfiil)

LUNAR[®]