Taming the cloud
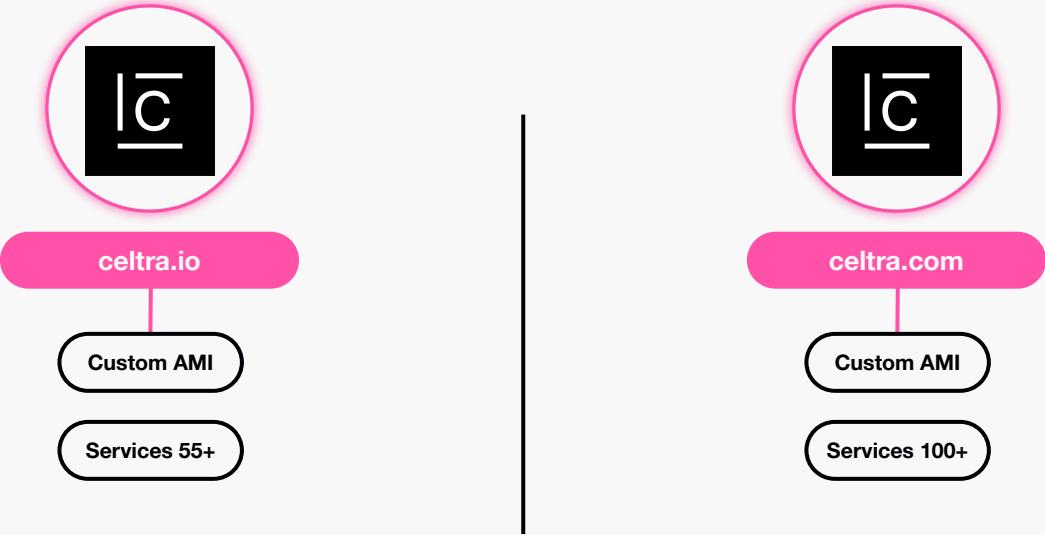
Rok Motaln
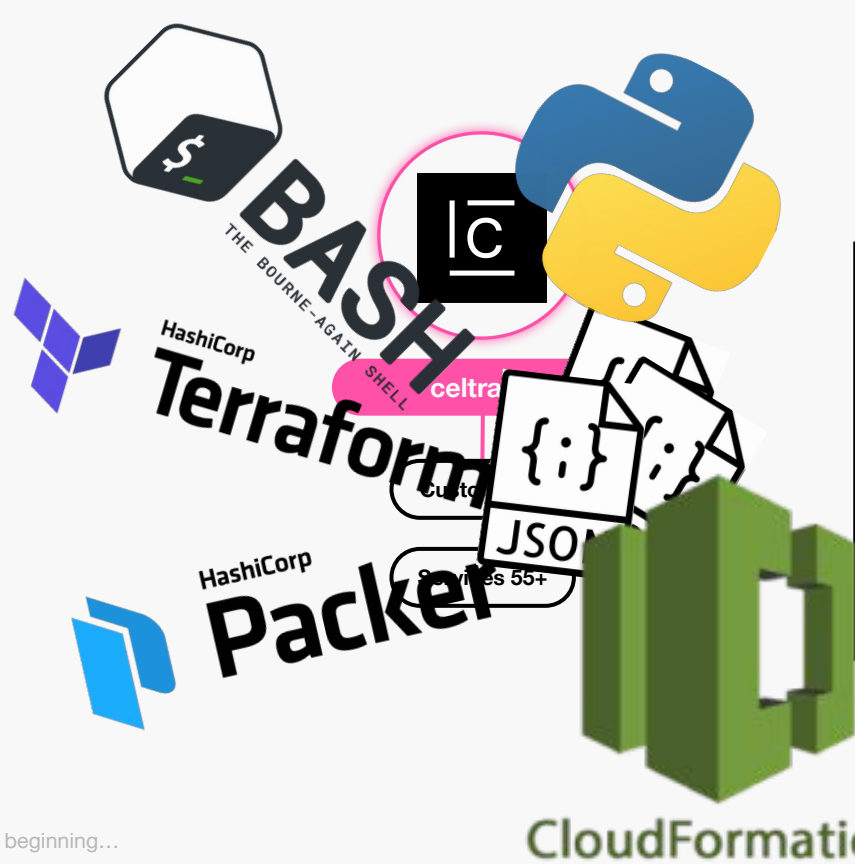
Celtra

In the beginning…
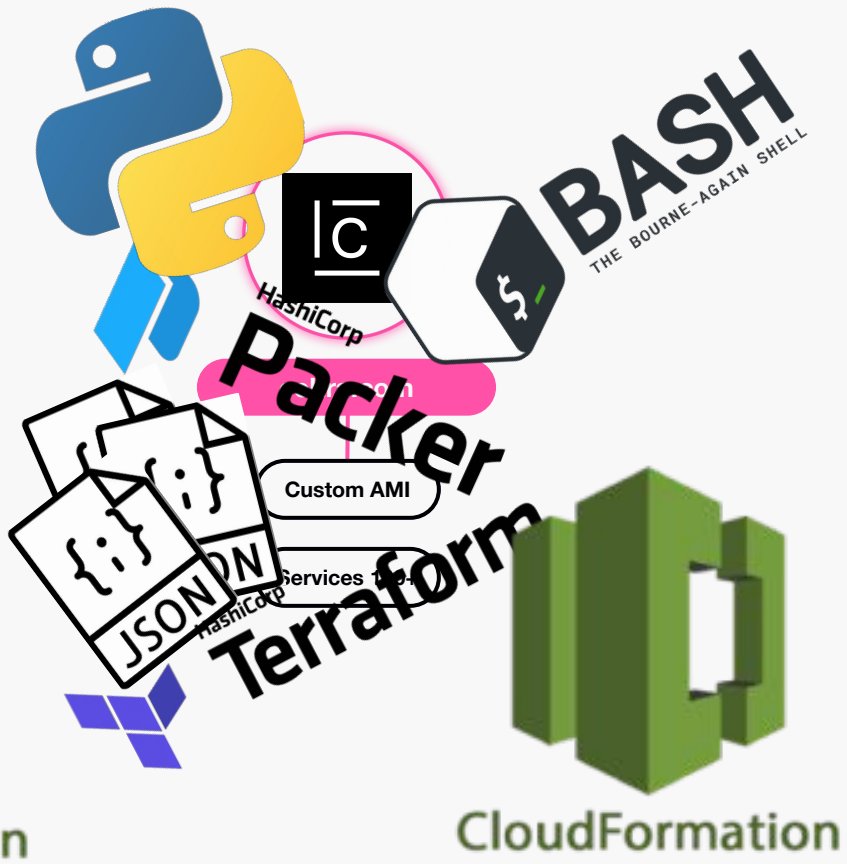
Organically grown

celtra.io

Custom AMI

Services 55+

celtra.com

Custom AMI

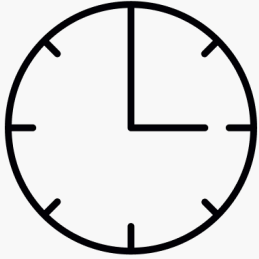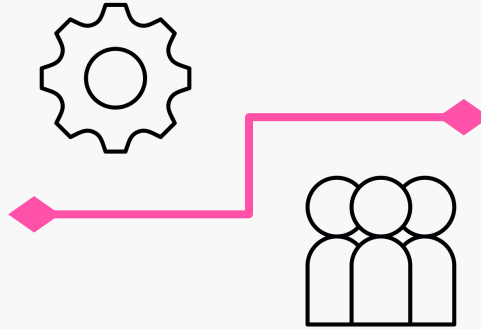Services 100+

In the beginning…

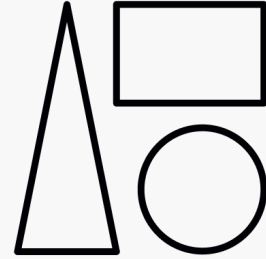# Organically grown

In the beginning…

Repeating (annoying) issues

Infrastructure
upkeep
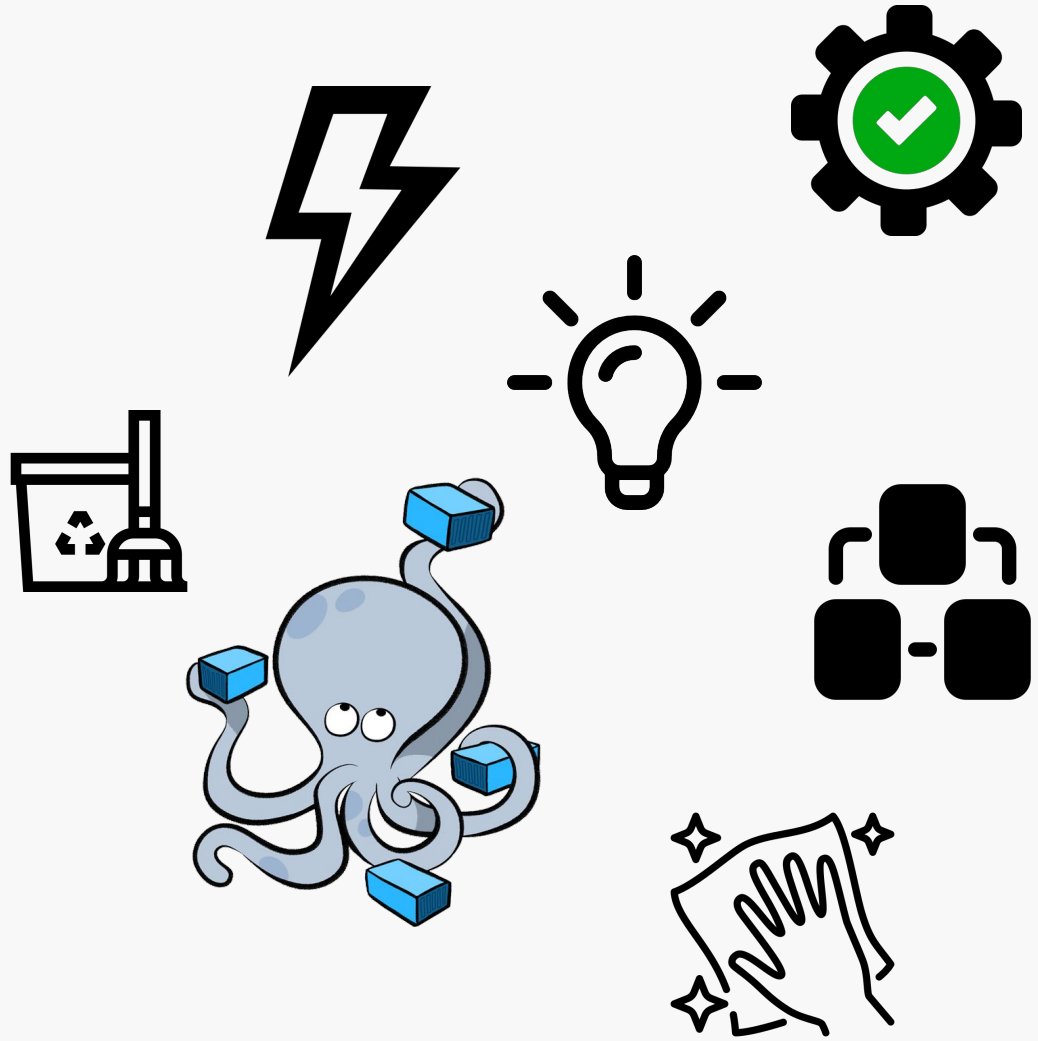
Production abstracted
from developers

Mixed
codebase

Our dream of...

…a perfect solution

- Should just work

- Maintenance: simple & fast

- Easy to understand

- Complete cleanup on removal

- Organized

- Ease of use - like docker compose
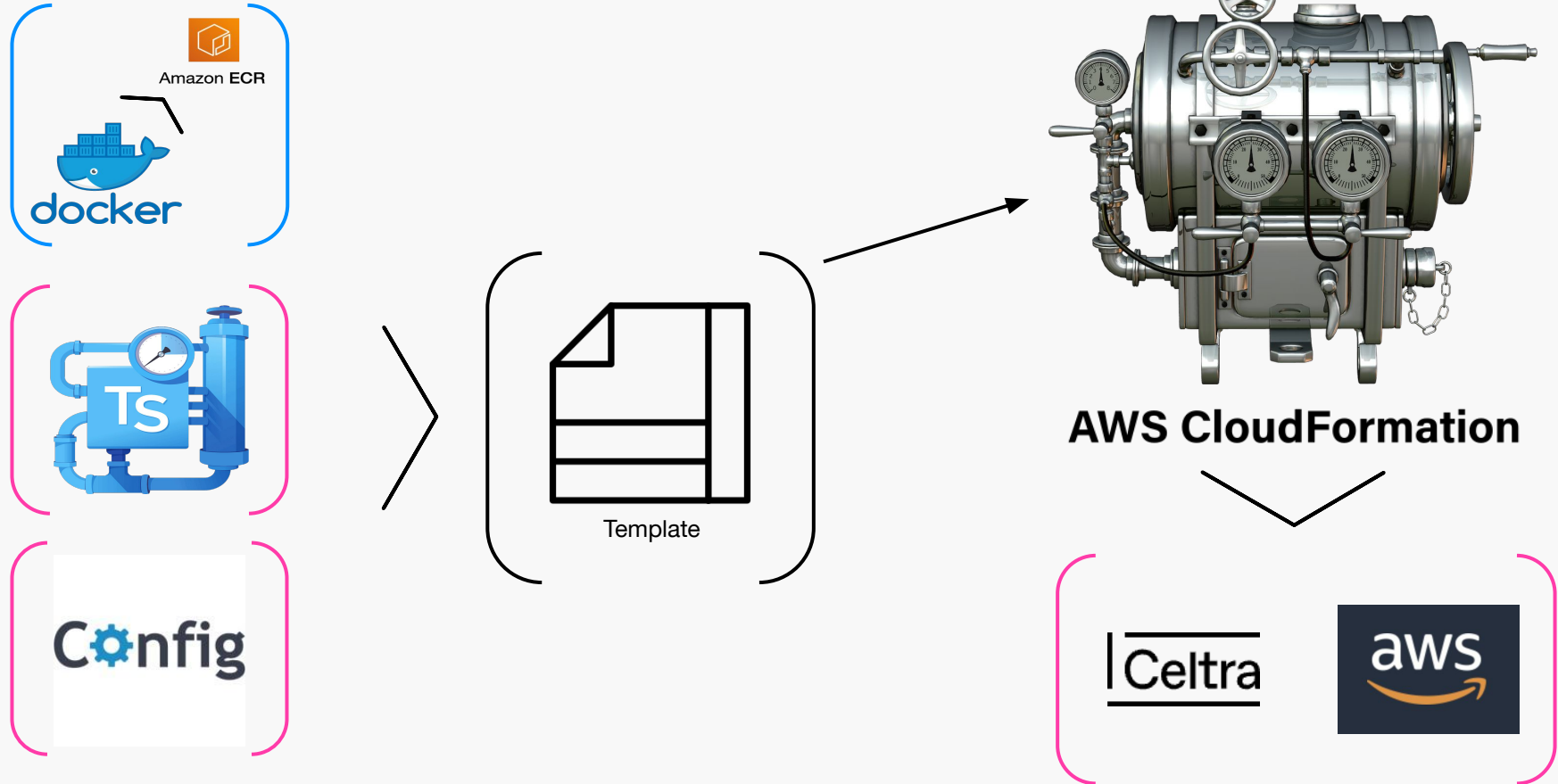
- Infrastructure clean slate

Why AWS CDK?

Why we chose it

What does AWS CDK do?

Amazon ECR

docker

Ts

Config

Template

AWS CloudFormation

Celtra   aws

Commit!

Problems everywhere!

Tackling issues

500!

1MB!

JSON
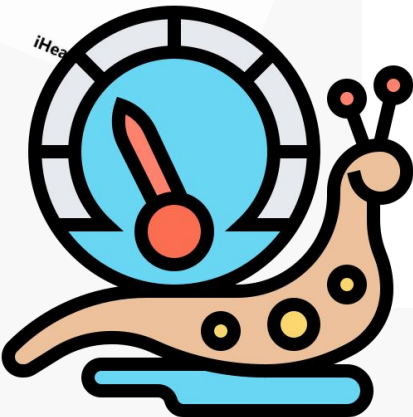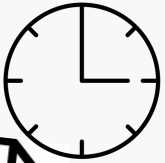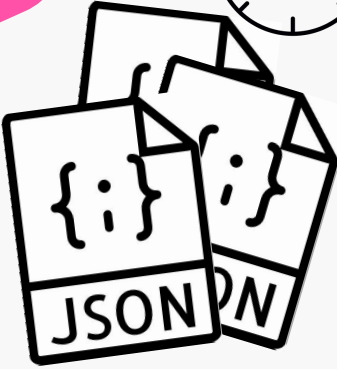
Problems everywhere!
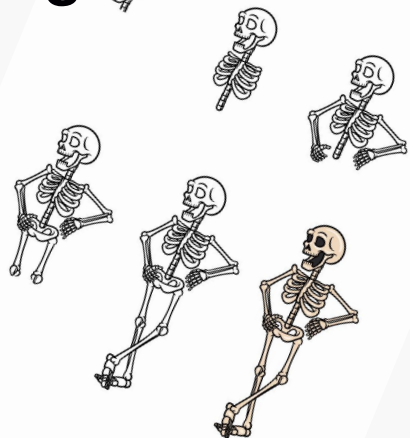
The good and the bad...

…but in general better

- Simple IaC

- Less maintenance

- More use of managed solutions

- Core parts replacements more complex

- Rollbacks & circuit breakers

- Manual intervention possible

- Standardized & frequent deployments

- Switch to ARM

- Cost benefits

- New tooling

- OOP codebase + unit tests

Q&A

Thank you!

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