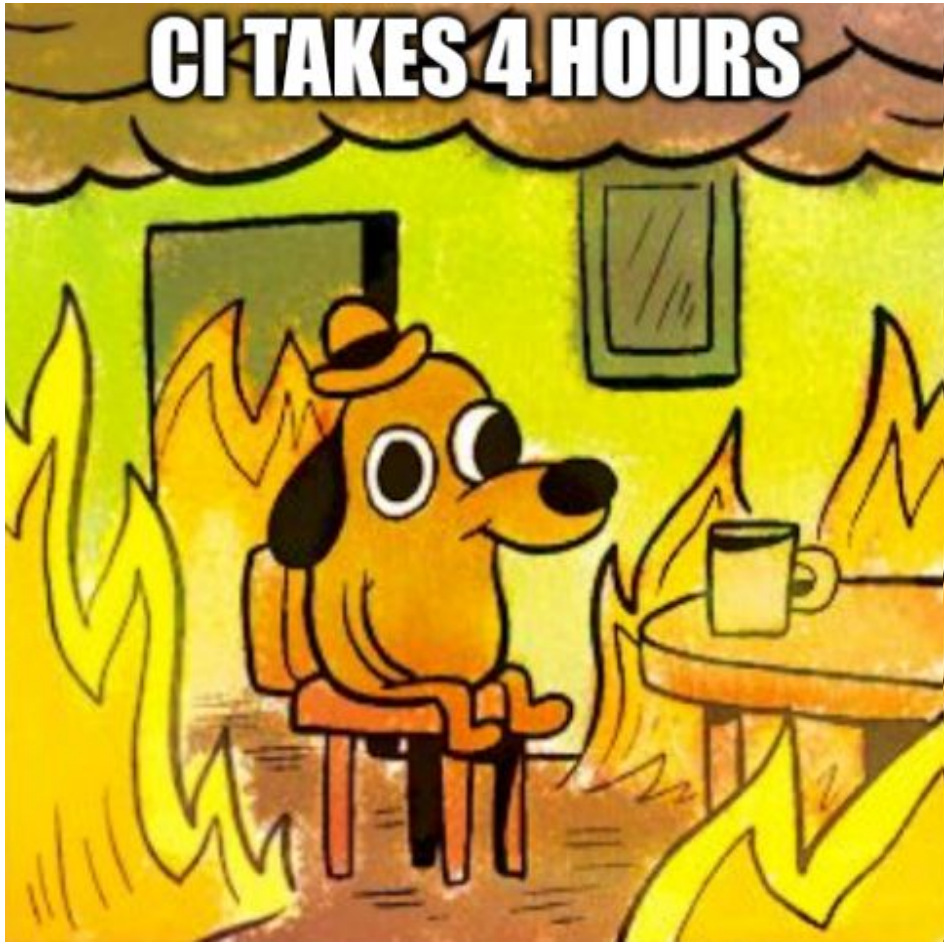
MODUS CREATE

CULTIVATING COLLABORATION: INTERNAL DEVELOPER PLATFORMS

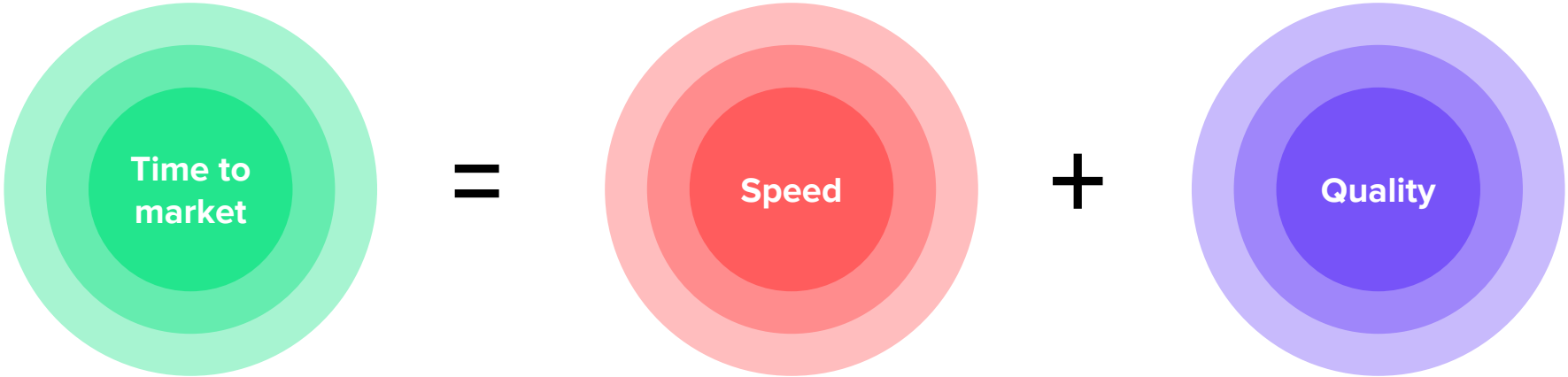
Clément Hurlin

October 27th 2023 | Microsoft Technology Center, Virginia

MOTIVATION



OBJECTIVE



SOLUTIONS

GOLDEN PATHS

Right thing is the easy thing

➜ Lower bar of entry to right thing

AUTOMATION

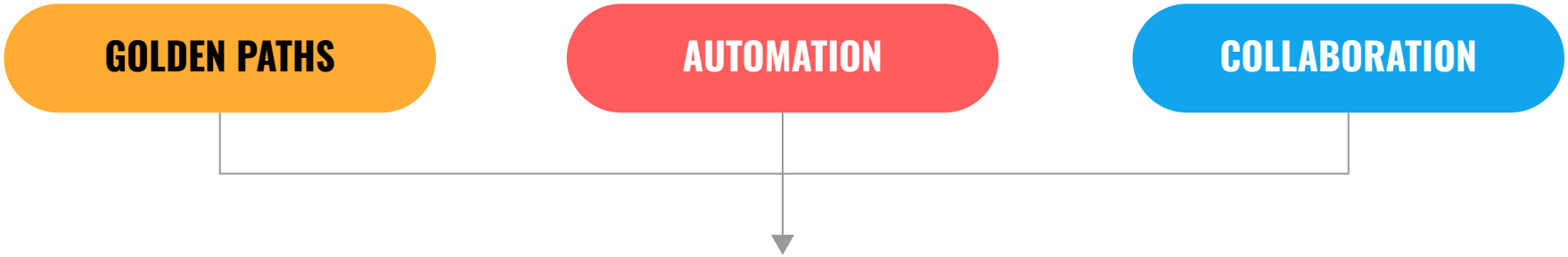
Automate validations and deployment

➜ Reduce deployment time and stress

COLLABORATION

Set the bar high, use best practices

➜ Treat your internal platform like open source



INTERNAL DEVELOPER PLATFORM

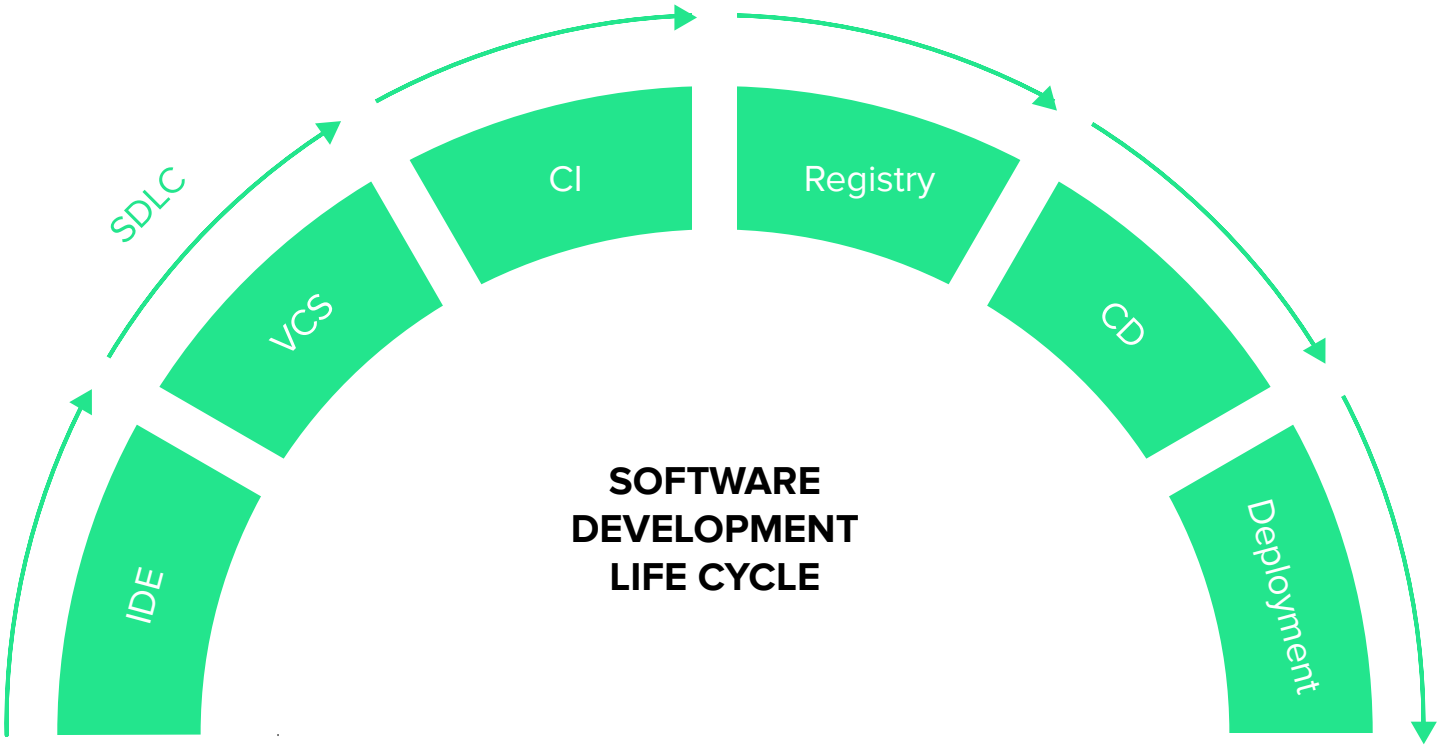
GOLDEN PATHS

AUTOMATION

COLLABORATION

INTERNAL DEVELOPER PLATFORM

INTERNAL DEVELOPER PLATFORM



GOLDEN PATHS

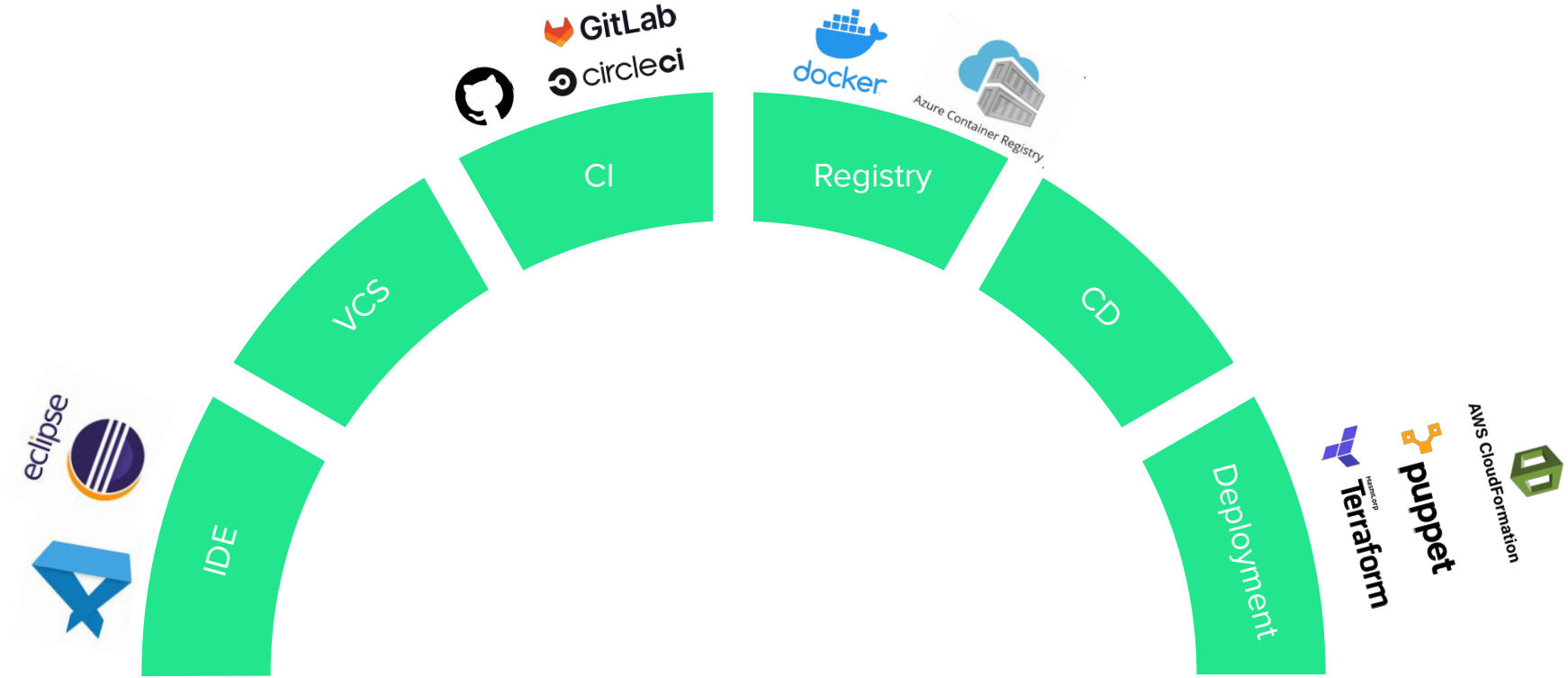
GOLDEN PATHS

Pain points

Little standardization

+ Configuration drift
+ Team switch hard
+ Cognitive overload
+ Poor dev experience (retention 🤦‍♀️)

GOLDEN PATHS



Monorepo

Consistency

Templating

CI for free

Company-wide refactorings

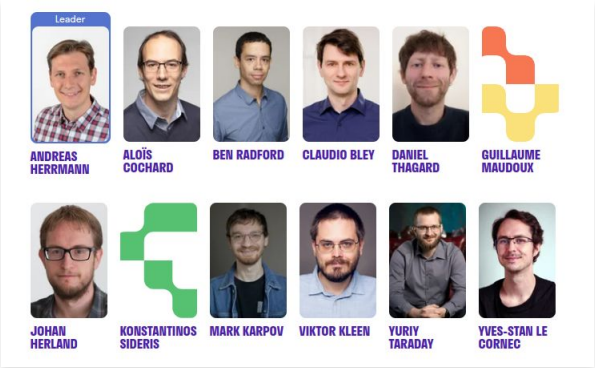
Live at HEAD

Monorepo

Challenges

+ Acceptance
+ Scalability

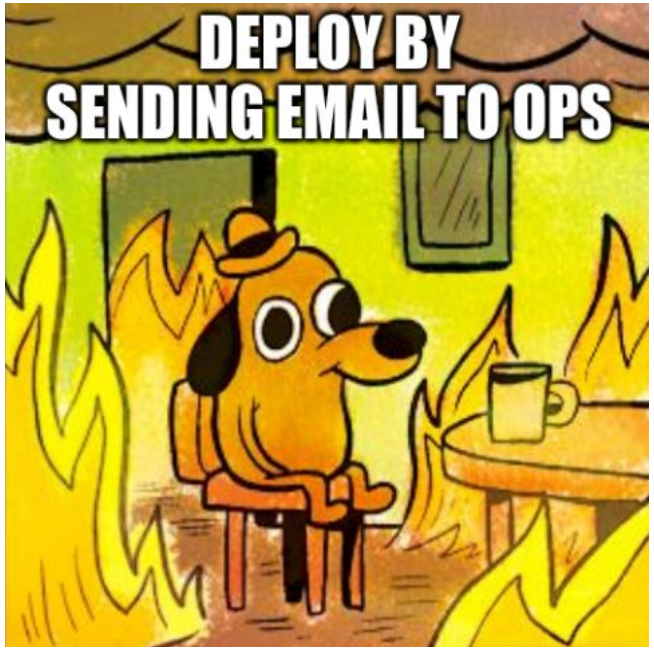
[Scalable Builds Group]



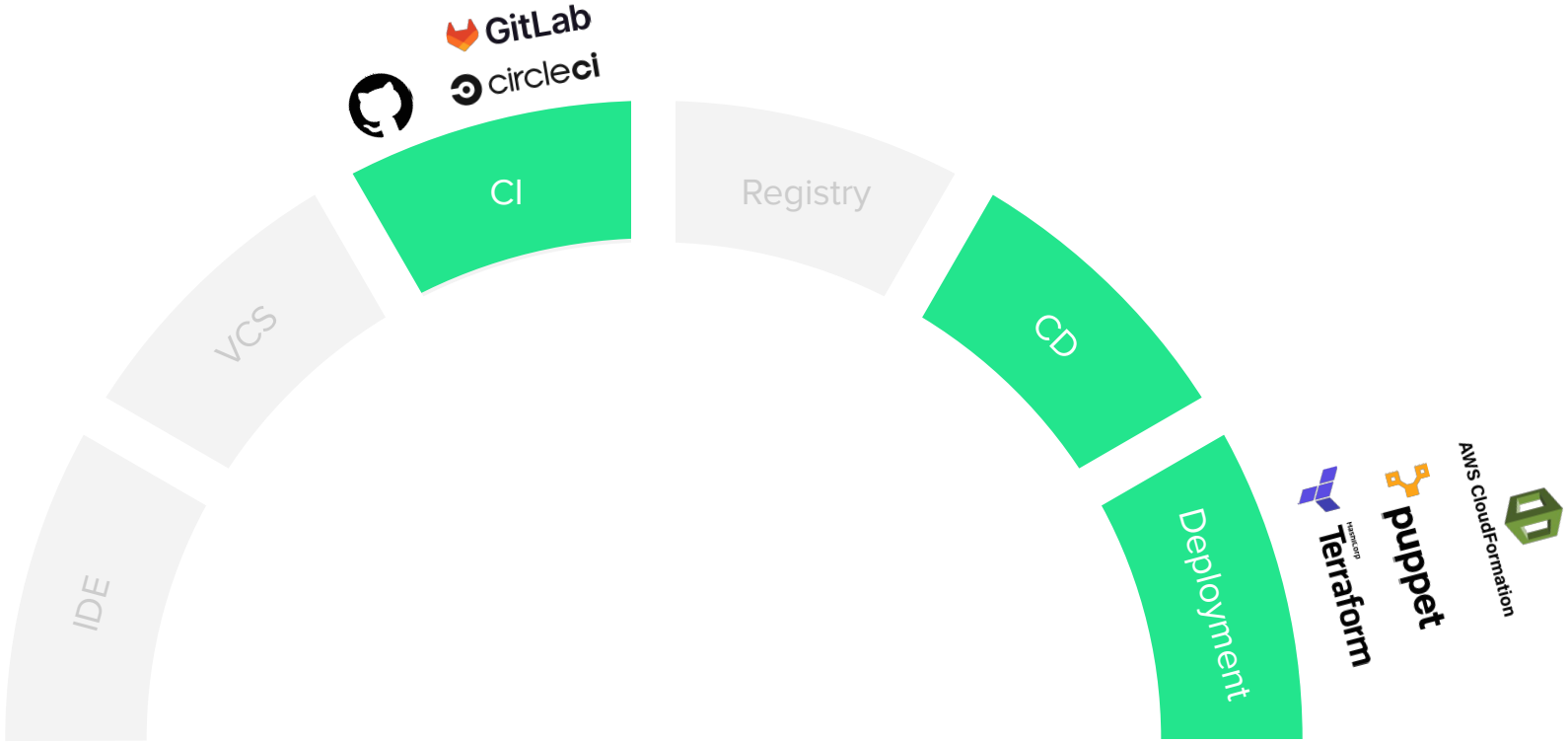
AUTOMATION

AUTOMATION

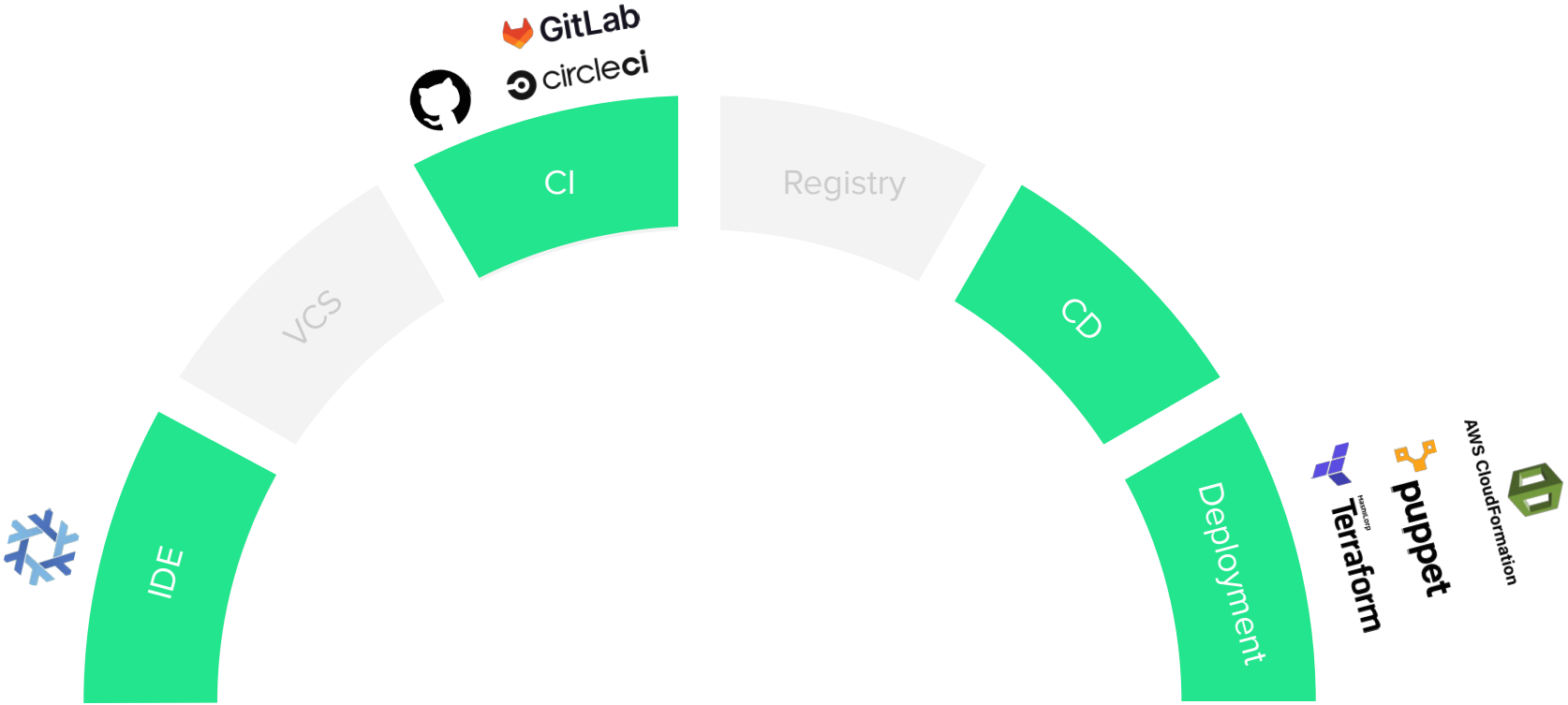
Pain points



AUTOMATION


GitLab
circleci
IDE
VCS
CI
Registry
CD
Deployment
Terraform
puppet
AWS CloudFormation

AUTOMATION

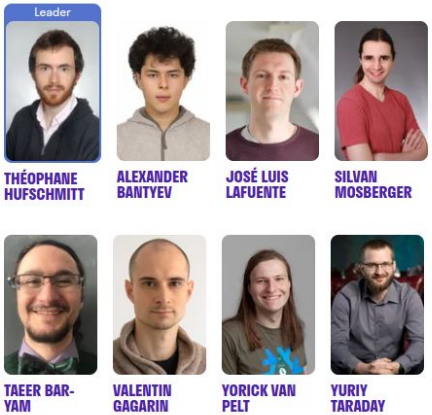

GitLab
circleci
CI
Registry
VCS
CD
IDE
Deployment
Terraform
puppet
AWS CloudFormation

Nix

Challenges

+ Learning curve

[Nix Group]



COLLABORATION

COLLABORATION

Pain points

Siloing

+ Incompatibilities
+ Slowness
+ Shadow Ops

COLLABORATION

Make your platform world class

The Open Source way

+ Open is the default
+ Contributions welcome
+ Company-wide impact
+ Scalable

Empower developers

+ Discoverability 👀
+ Self service 🏗️

INTERNAL DEVELOPER PLATFORMS

Wins

+ Reduced onboarding time 🏅
+ Productivity 💲
+ Company-wide impact
+ Great dev experience, retention 💪

THANK YOU!

Let’s make something great together.