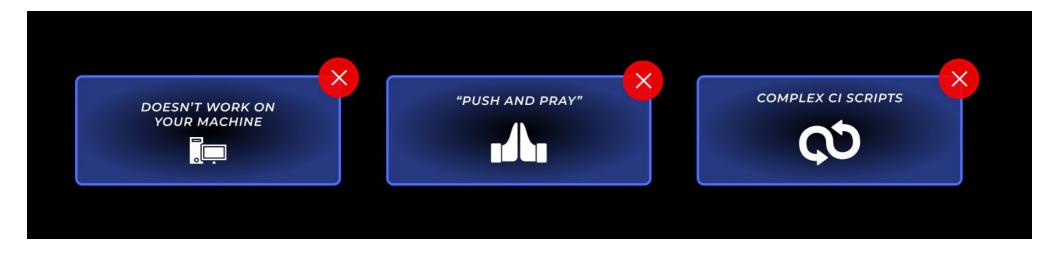




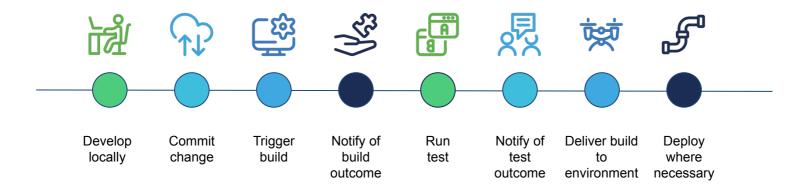
From messy CI scripts to clean code

Current CI/CD problems



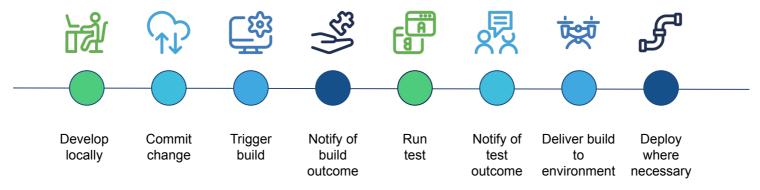
Current CI/CD problems

the ideal setup



Current CI/CD problems

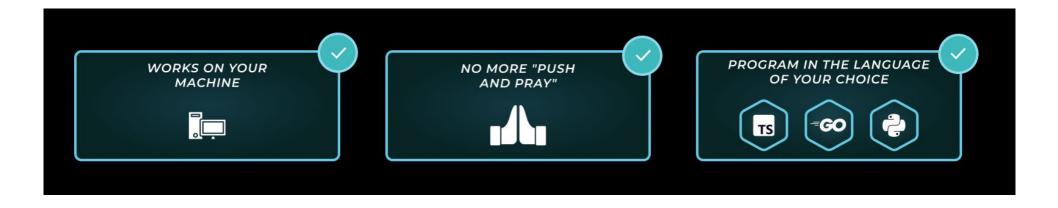
BUT



- More complex system
- Drift between local and cloud environment
- Missing documentation

- A lot of yaml/groovy scripts to debug
- endless log files

Current CI/CD problems: What we want



Let's update our pipelines

- expressive programming langs
 - code > YAML
 - Copilots/IDEs/ChatGPT
- Containers
 - Isolation, caching
- Existing CI servers
- powerful dev machines

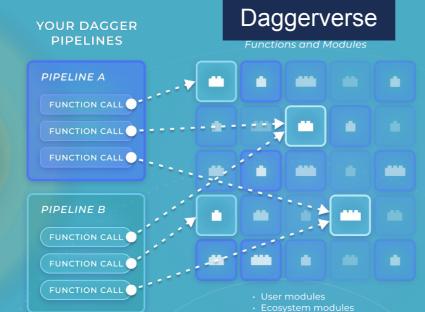


The Dagger Platform



DAGGER ENGINE



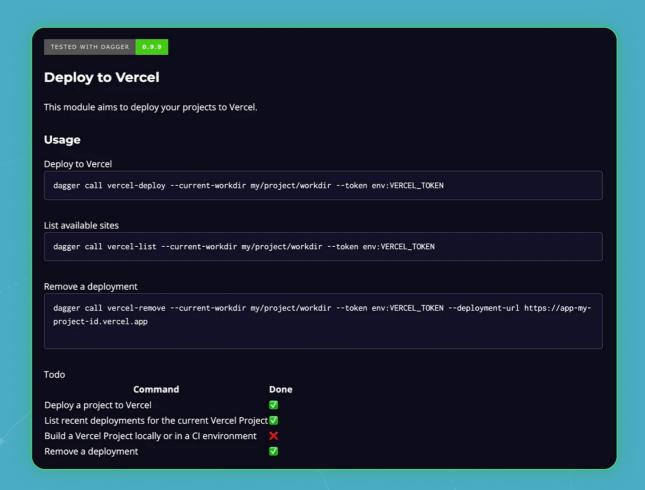


No more YAML soup

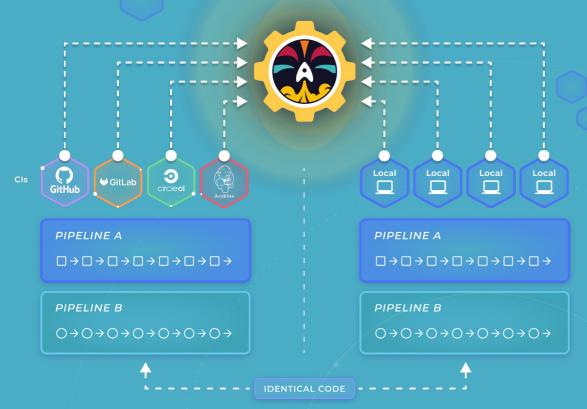
Replace complex CI scripts with a programmable platform

Standardized Dagger Functions

Pipelines just chain Dagger Functions - built by your team or by the community



DAGGER ENGINE



Eliminate Push And Pray

If it works on your laptop it'll work in CI



Cached

For Speed

Avoid unnecessary rebuilds and test reruns when nothing has changed

```
func (g *Golang) Base(version string) *Golang {
   mod := dag.CacheVolume("gomodcache")
   build := dag.CacheVolume("gobuildcache")
    image := fmt.Sprintf("golang:%s", version)
    c := dag.Container().
        From(image).
        WithMountedCache("/go/pkg/mod", mod).
        WithMountedCache("/root/.cache/go-build", build)
   g.Ctr = c
    return g
```

```
import { dag, Container, Directory, object, func } from "@dagger.io/dagger"
@object()
class Ci {
  @func()
  async ci(source: Directory): Promise<string> {
    var goProject = dag.golang().withProject(source)
    await goProject.test()
    var image = await goProject.buildContainer()
    var ref = await image.publish("ttl.sh/demoapp:1h")
    return dag.trivy().scanContainer(dag.container().from(ref))
```



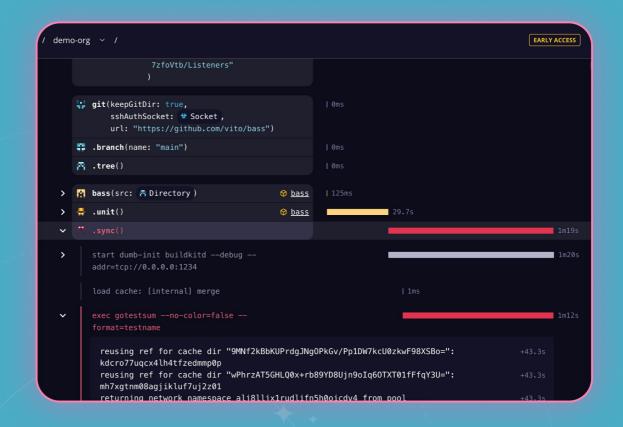




Multi-Language
Pipelines in the same
language as your app.
Each Dagger Function
is just an API call away.

Visualize Your Pipelines

My test failed.
Is it a broken Pipeline?
Dagger gives you visibility into every aspect
of your pipelines



Lab Time

-> your turn

https://dagger-techlab.puzzle.ch/