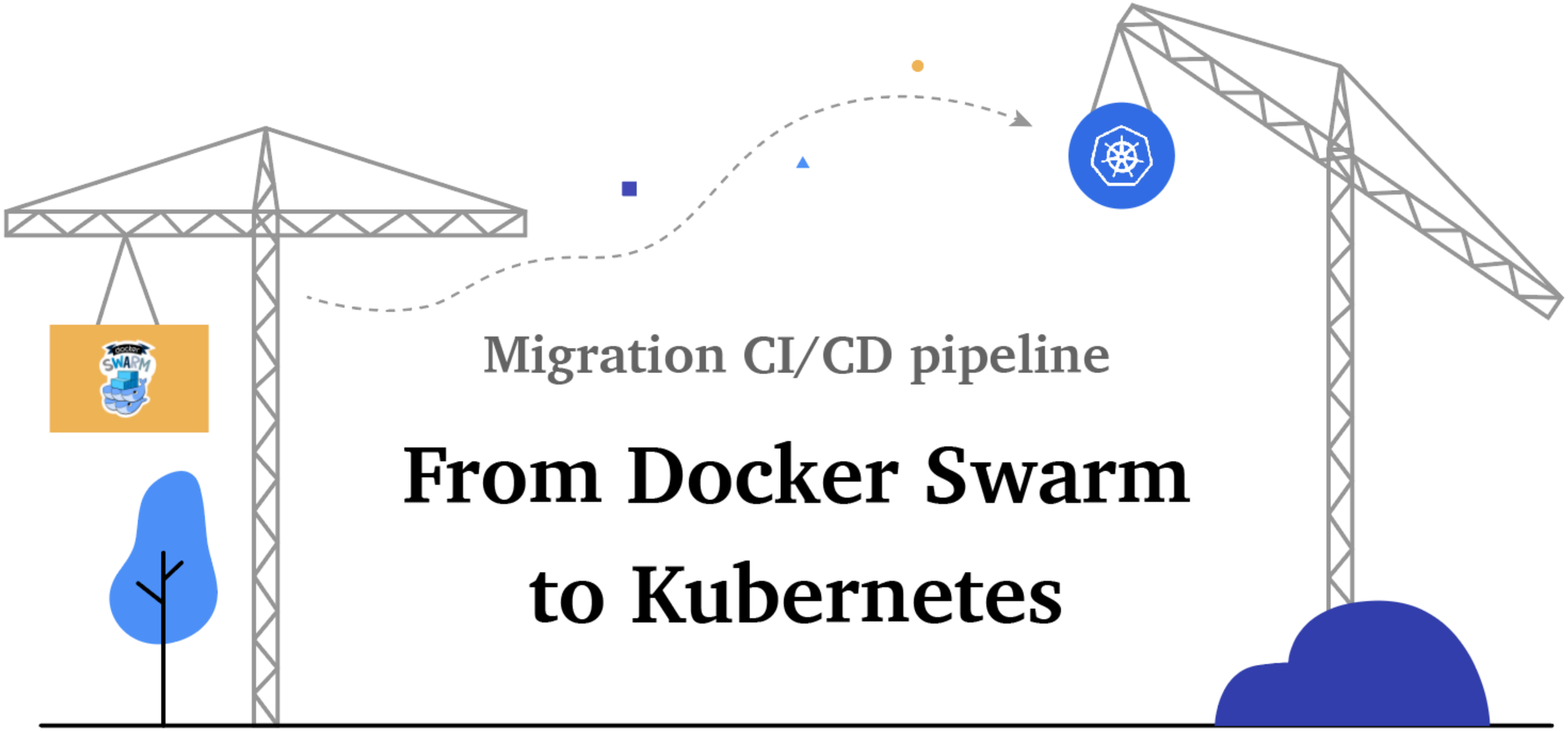


Migration CI/CD pipeline

From Docker Swarm to Kubernetes

SoftLeader
Softleader Technology Corp.
×
IBM

何適宇 Matt Ho

SoftLeader RD

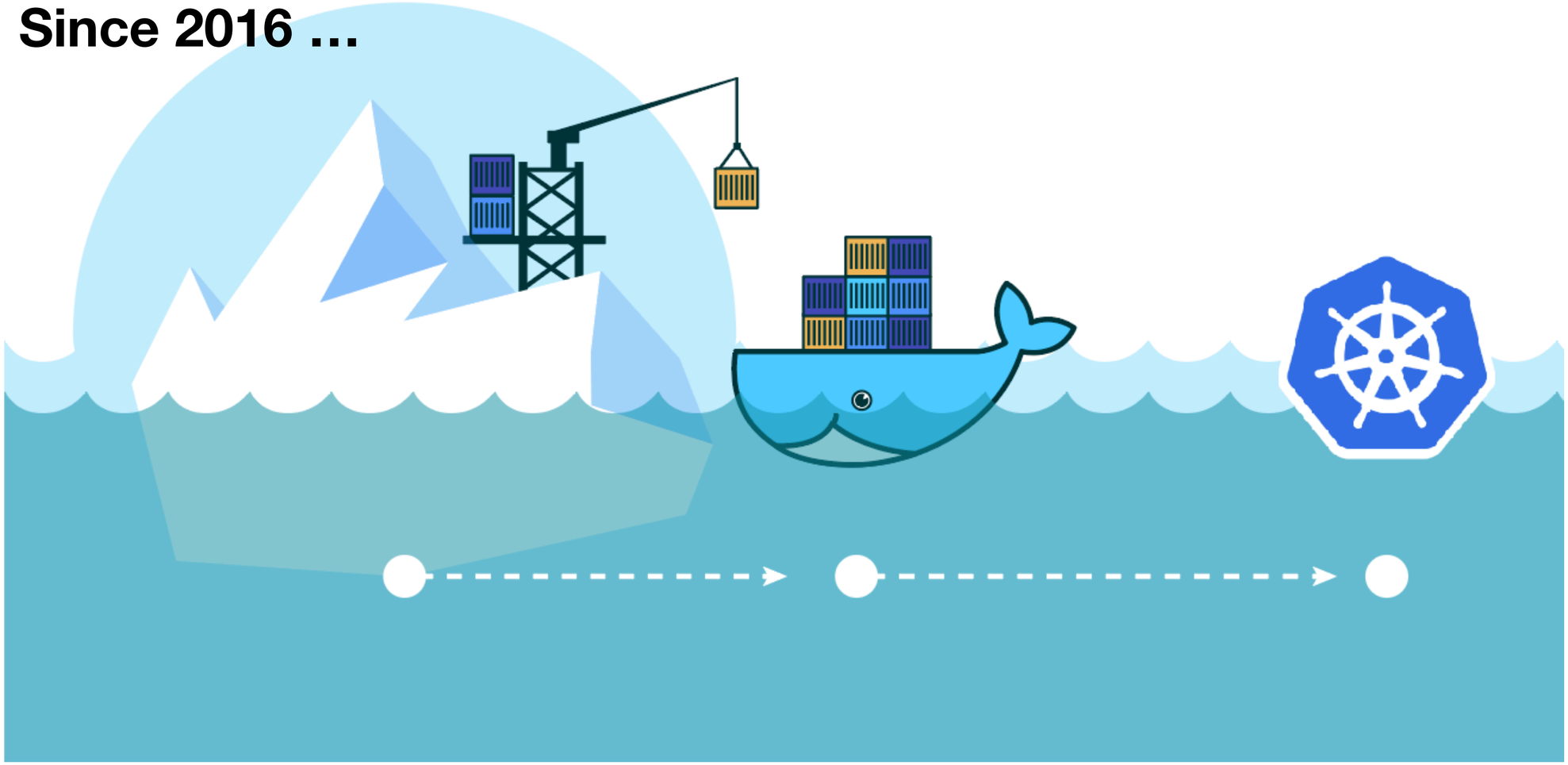
現任職於松凌科技，負責制定系統架構及技術的整合。
近期熱衷於研發及探討 microservice 架構，並實作及導入到專案中。

https://github.com/shihyuho

SoftLeader

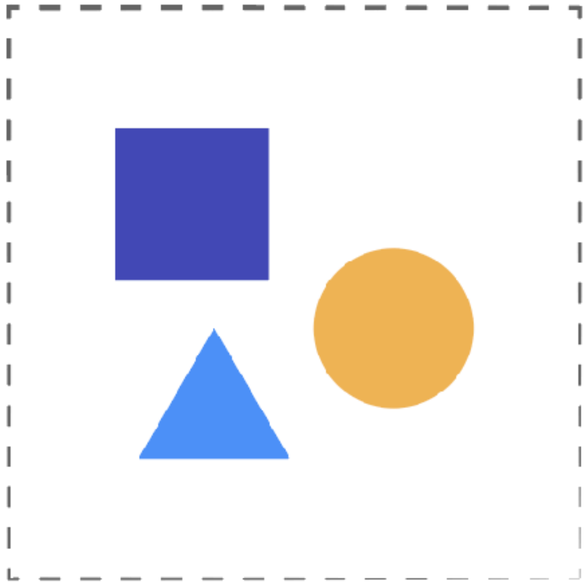
Softleader Technology Corp.

Since 2016 …

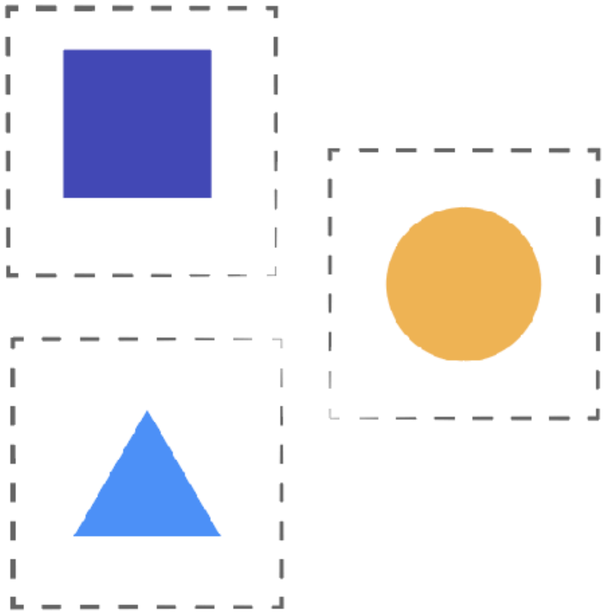


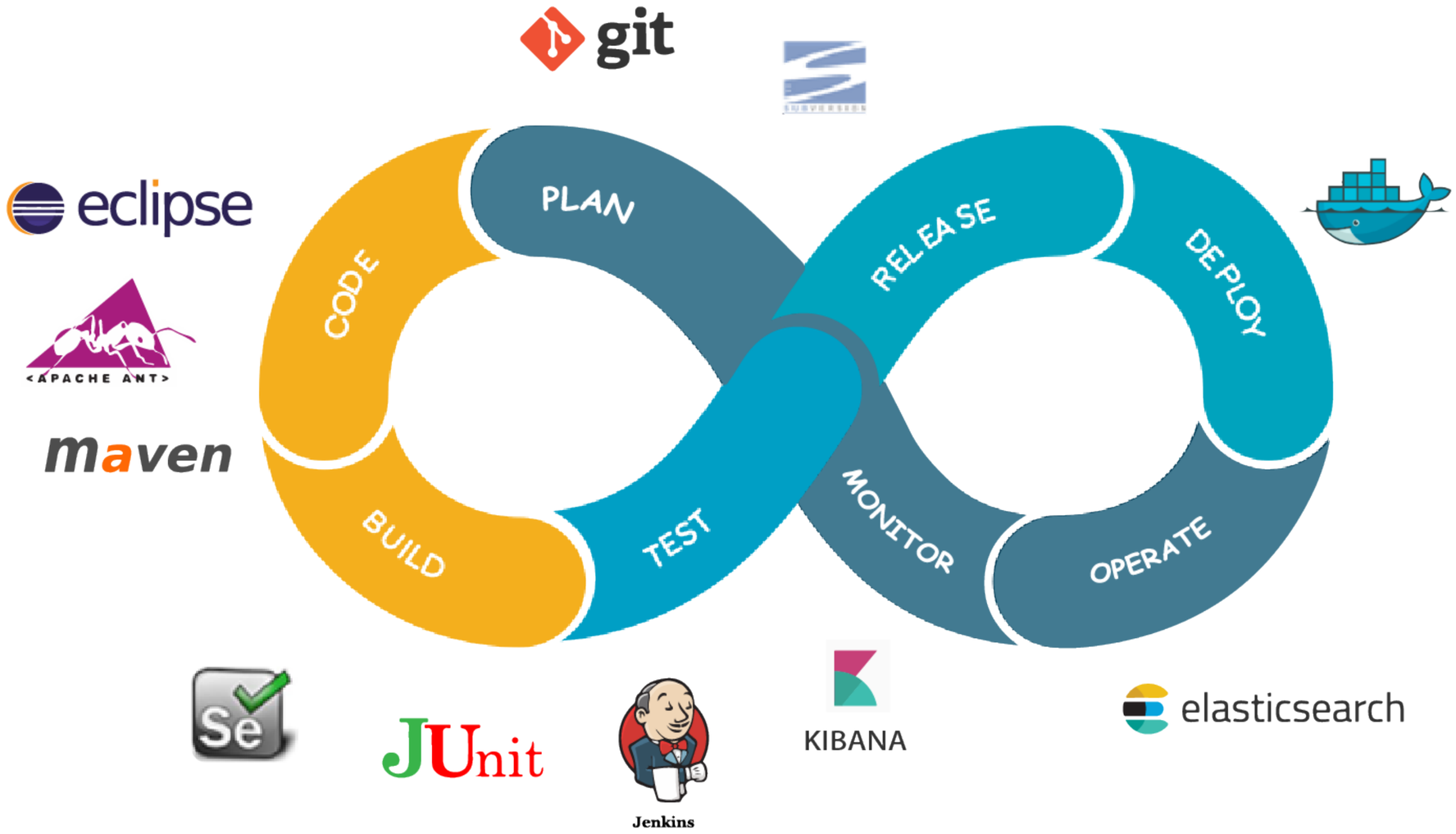
Microservice Architecture

Monolithic



Microservice

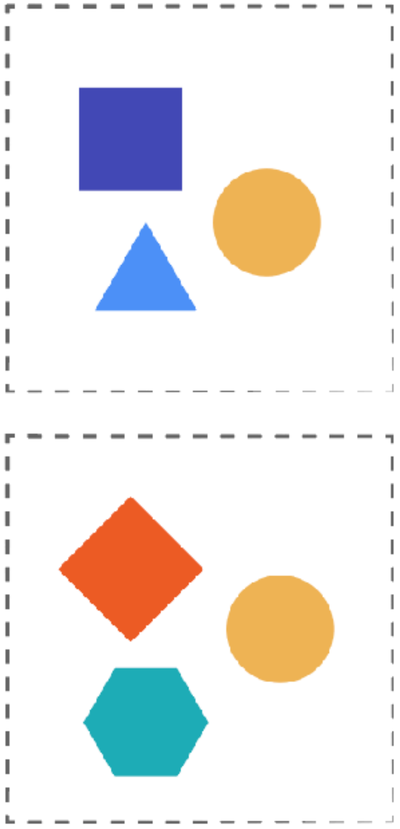



git
eclipse
<APACHE ANT>
maven
PLAN
CODE
BUILD
TEST
RELEASE
DEPLOY
MONITOR
OPERATE
JUnit
Jenkins
KIBANA
elasticsearch

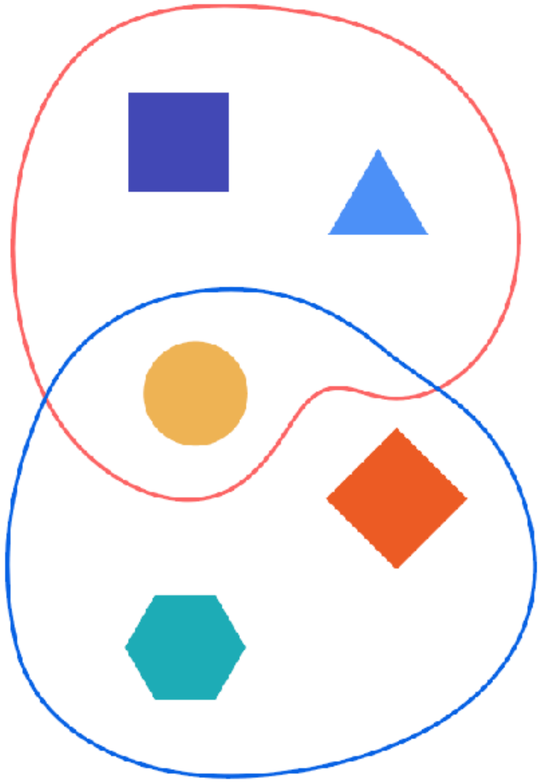
Monolithic

Project A

Project B

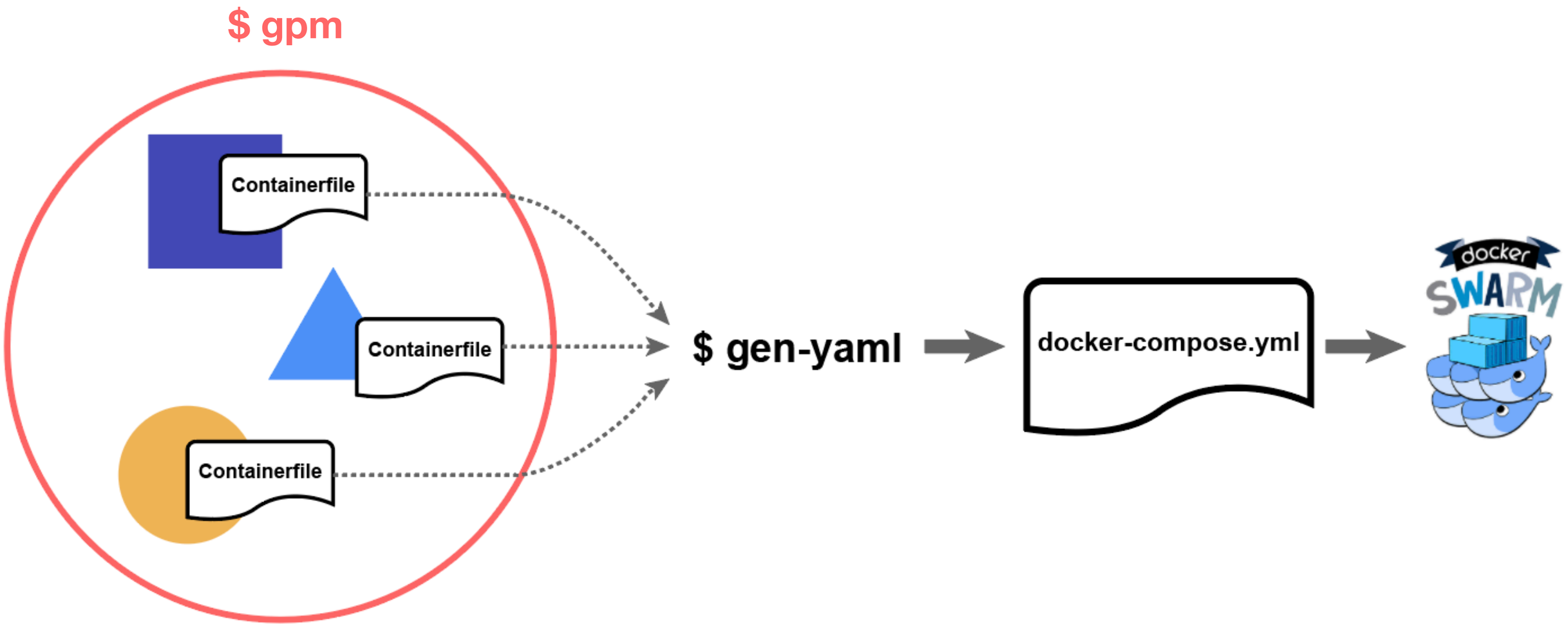


Microservice



Project A

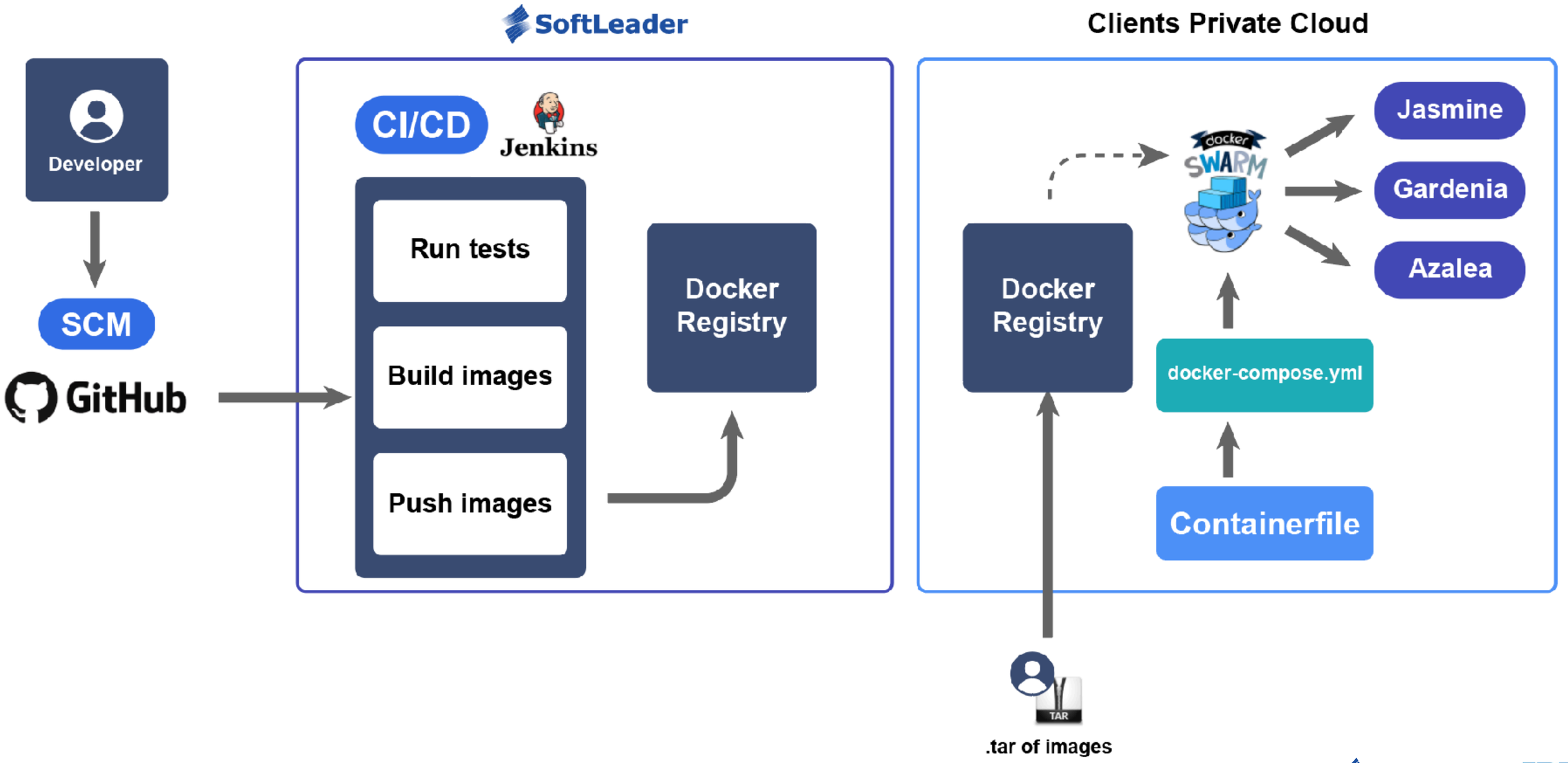
Project B



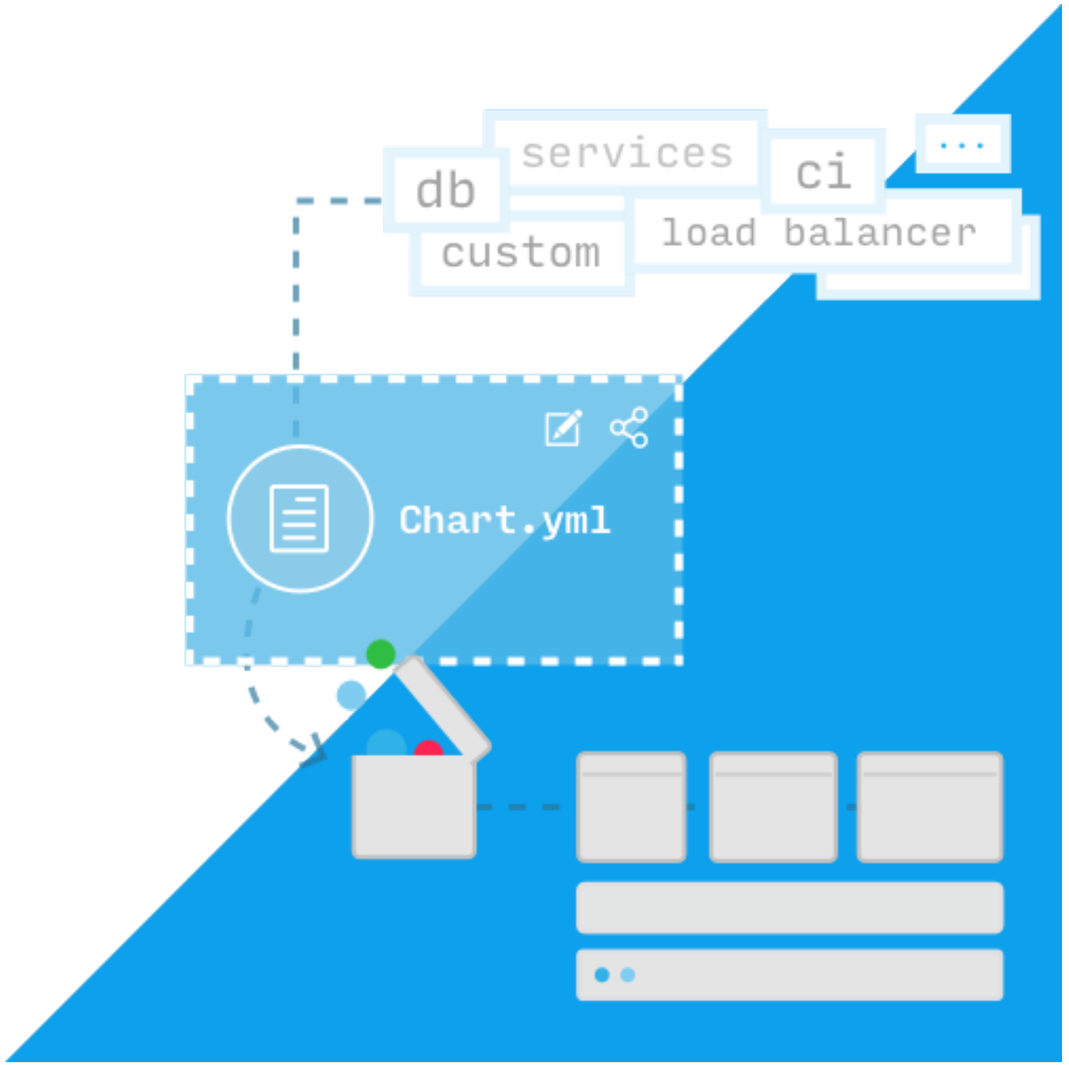
https://github.com/softleader/container-yaml-generator

https://github.com/softleader/git-package-manager

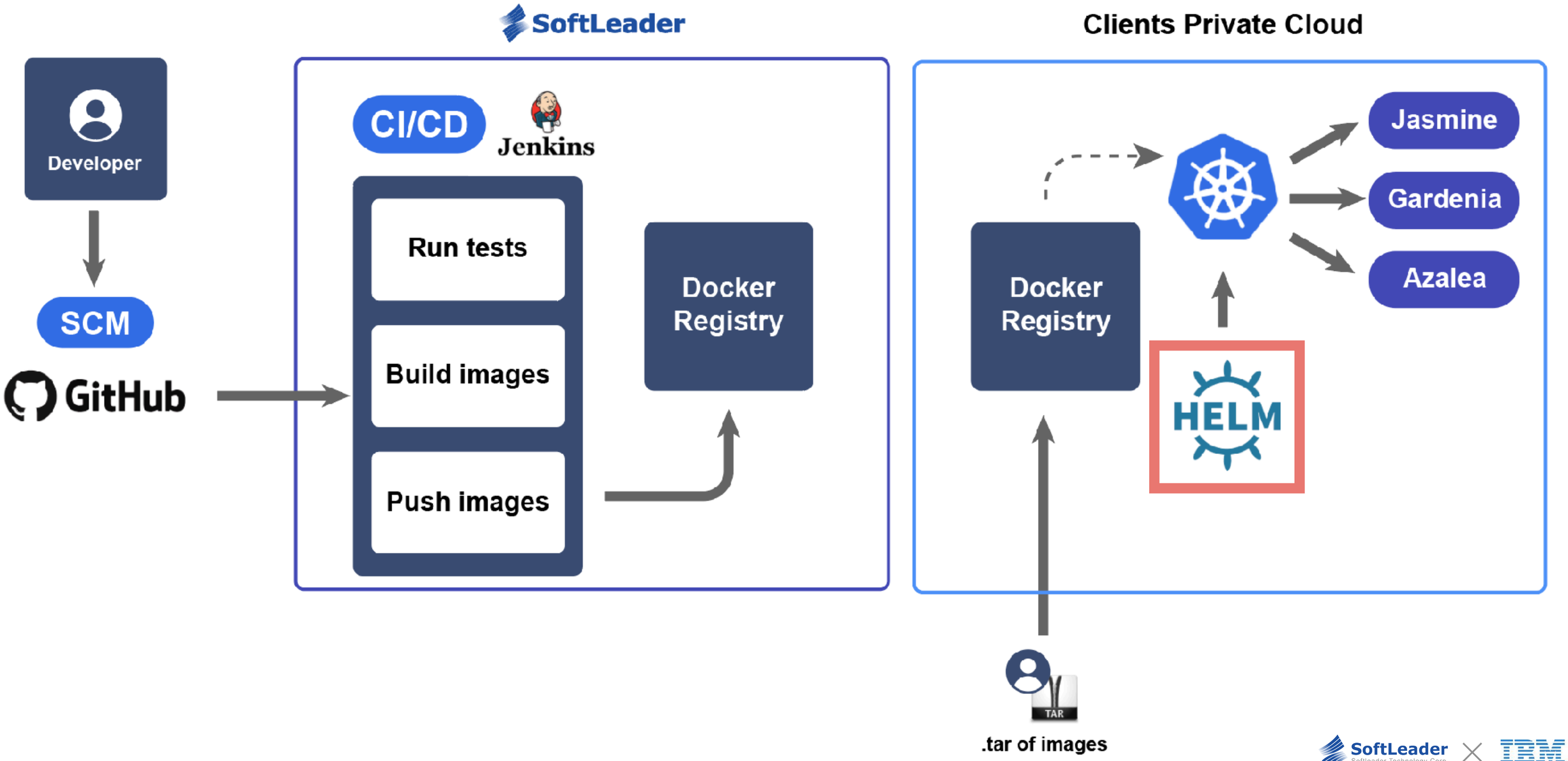
Microservice Architecture

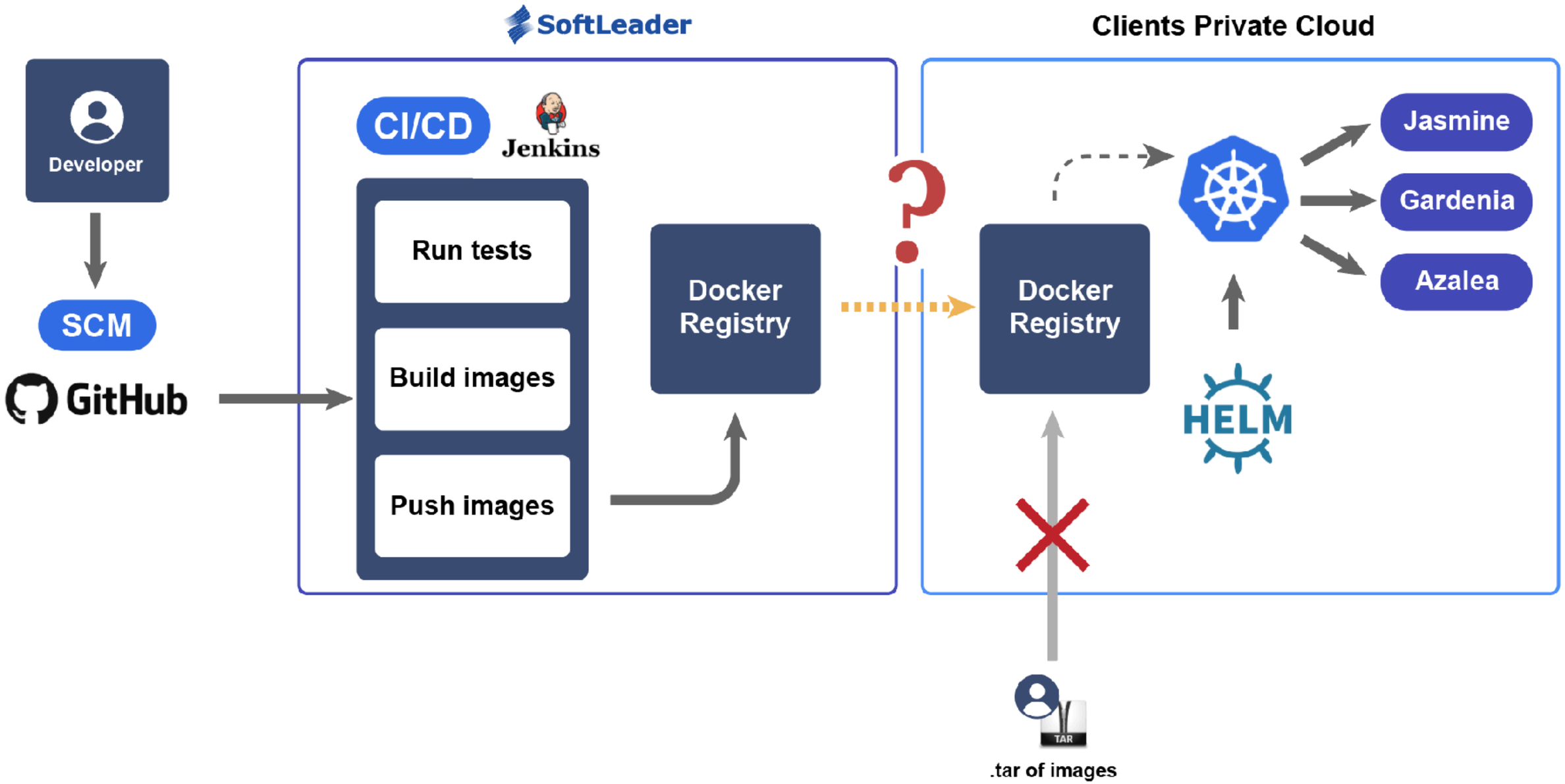


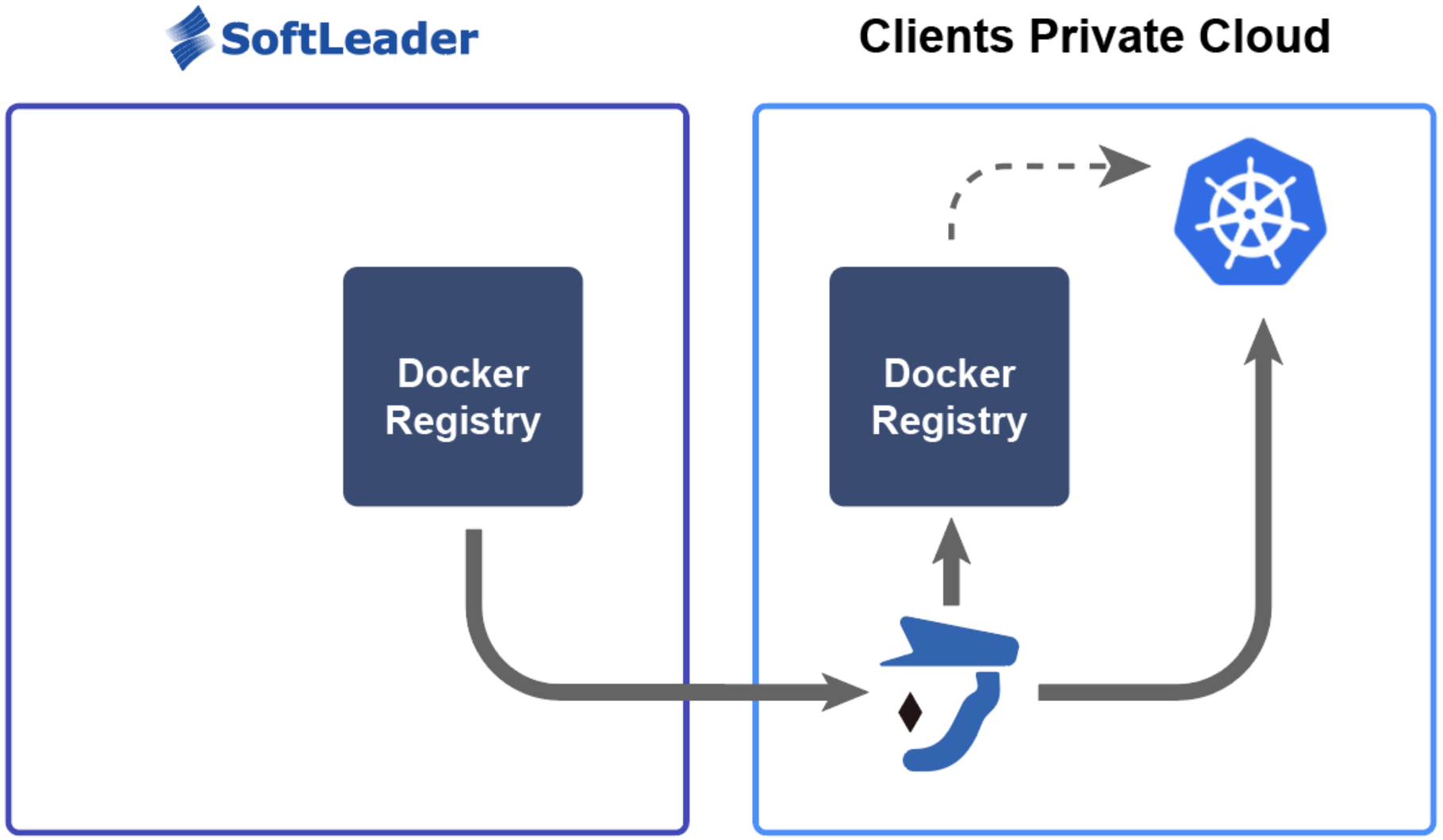
HELM



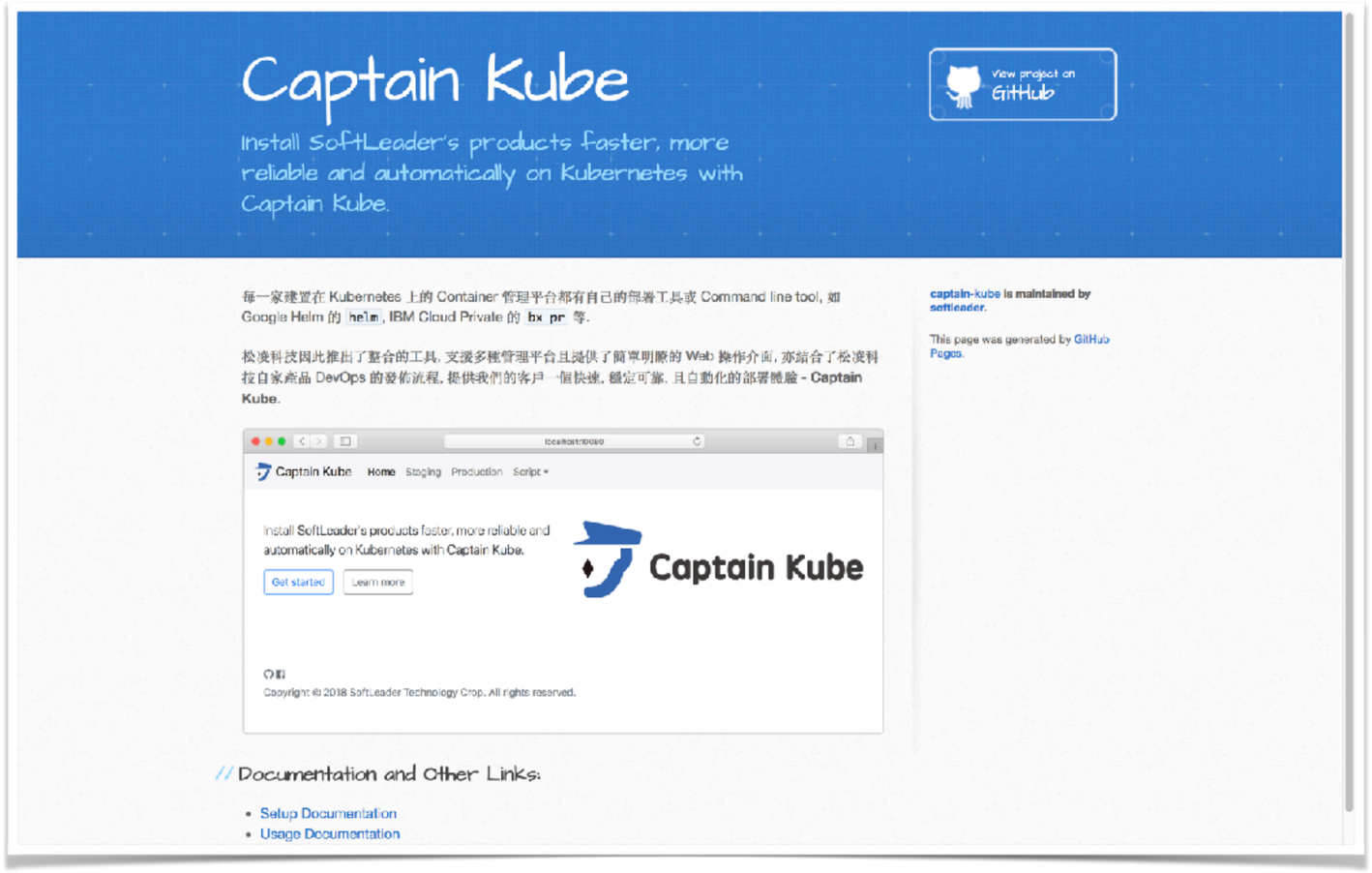
https://www.helm.sh/

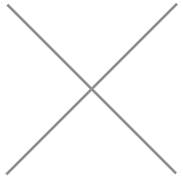

SoftLeader
Clients Private Cloud
Developer
SCM
GitHub
CI/CD
Jenkins
Run tests
Build images
Push images
Docker Registry
Docker Registry
Jasmine
Gardenia
Azalea
HELM
TAR
.tar of images


SoftLeader
Clients Private Cloud
Developer
SCM
GitHub
CI/CD
Jenkins
Run tests
Build images
Push images
Docker Registry
?
Docker Registry
Jasmine
Gardenia
Azalea
HELM
TAR
.tar of images


SoftLeader
Clients Private Cloud
Docker Registry
Docker Registry

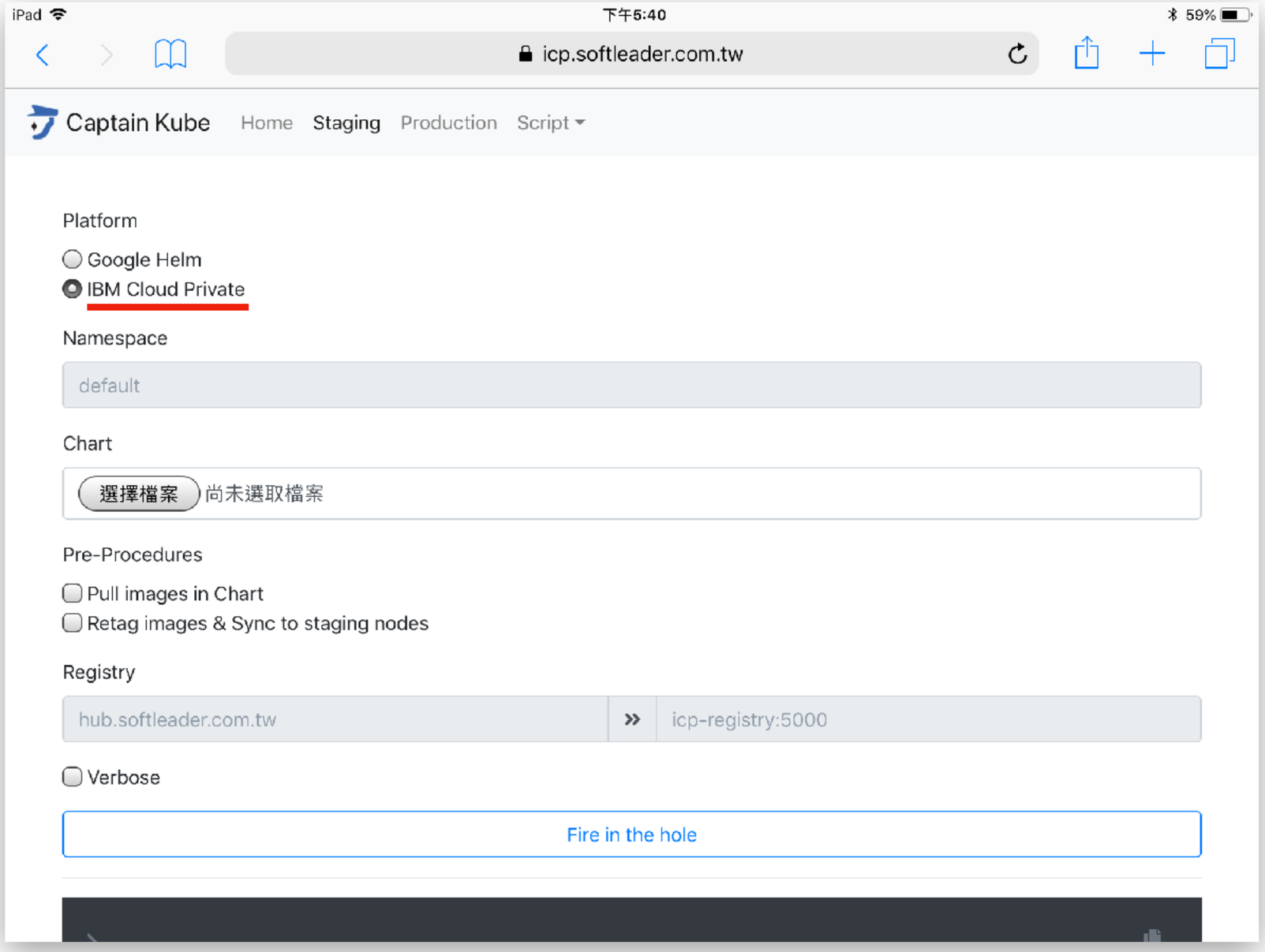
https://softleader.github.io/captain-kube/



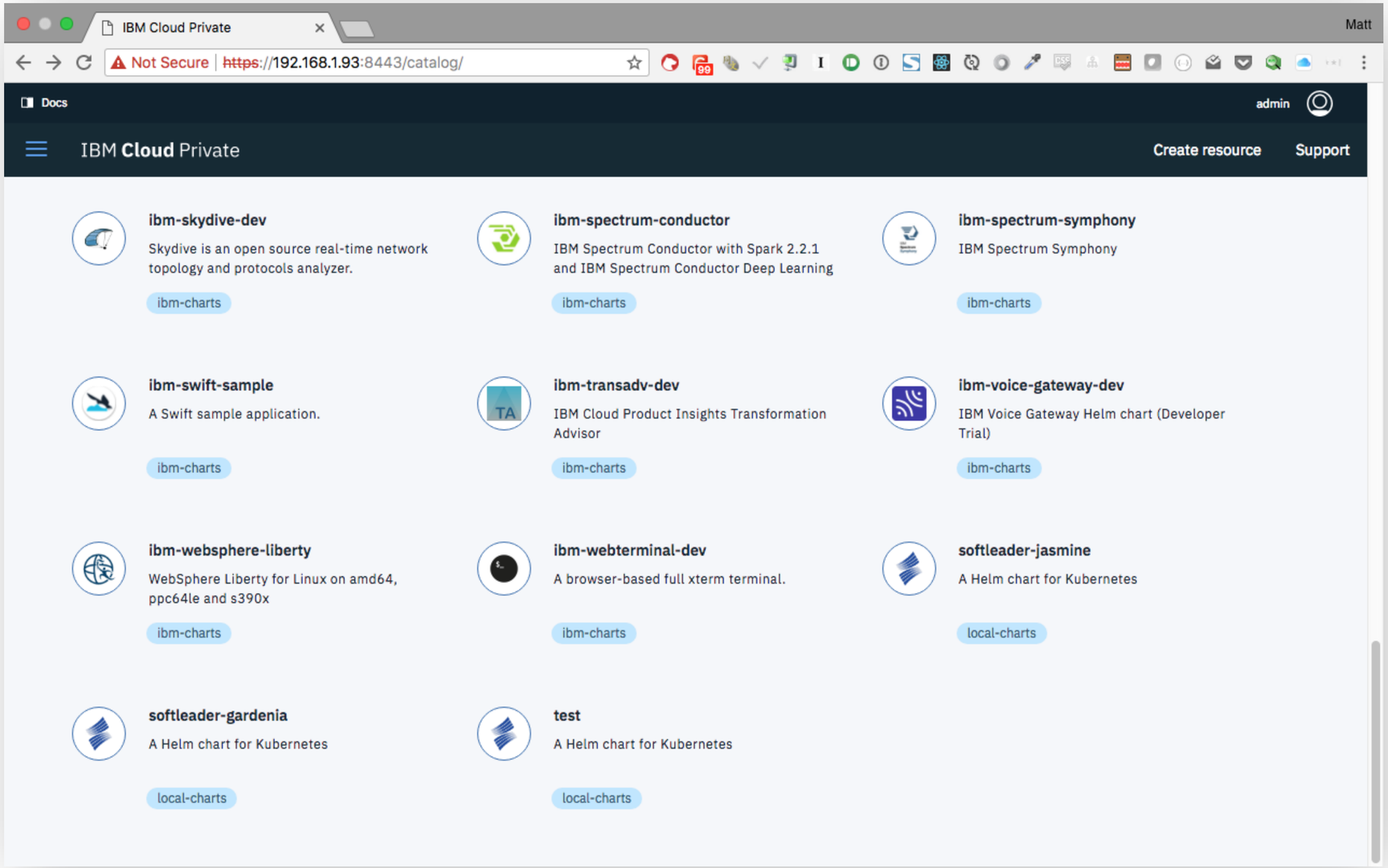


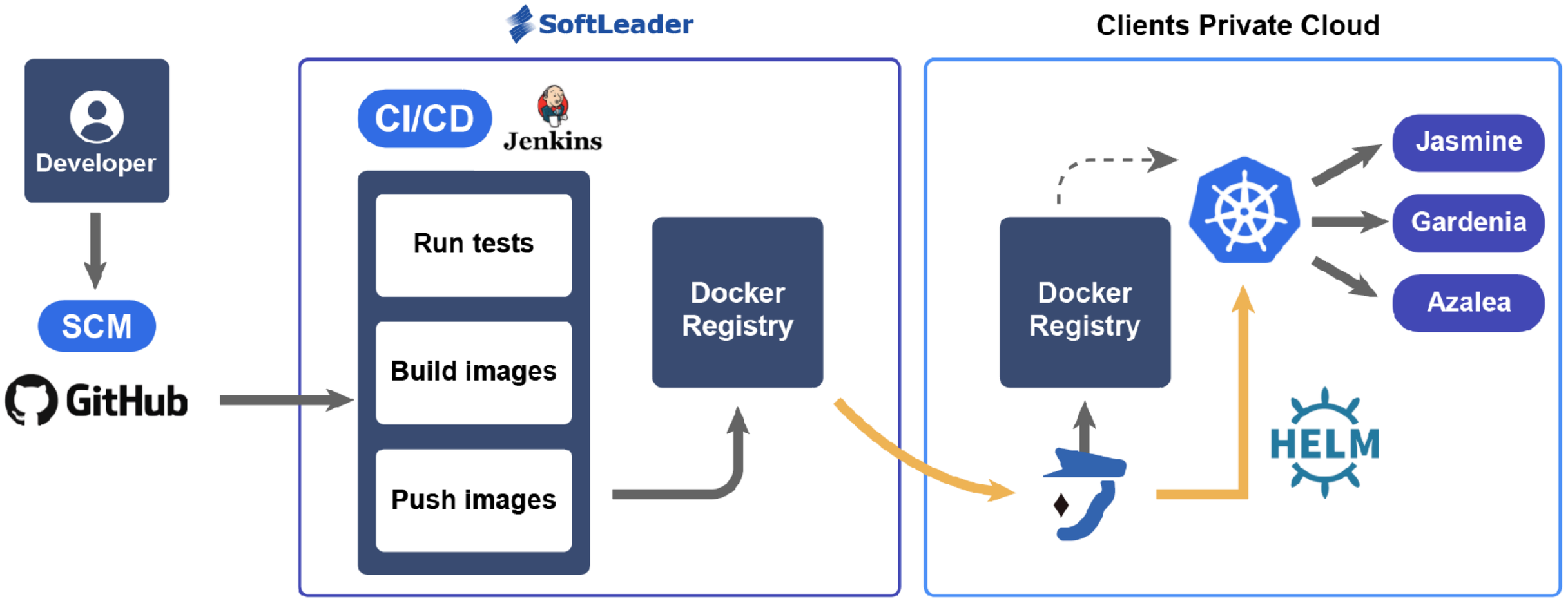
IBM Cloud Private

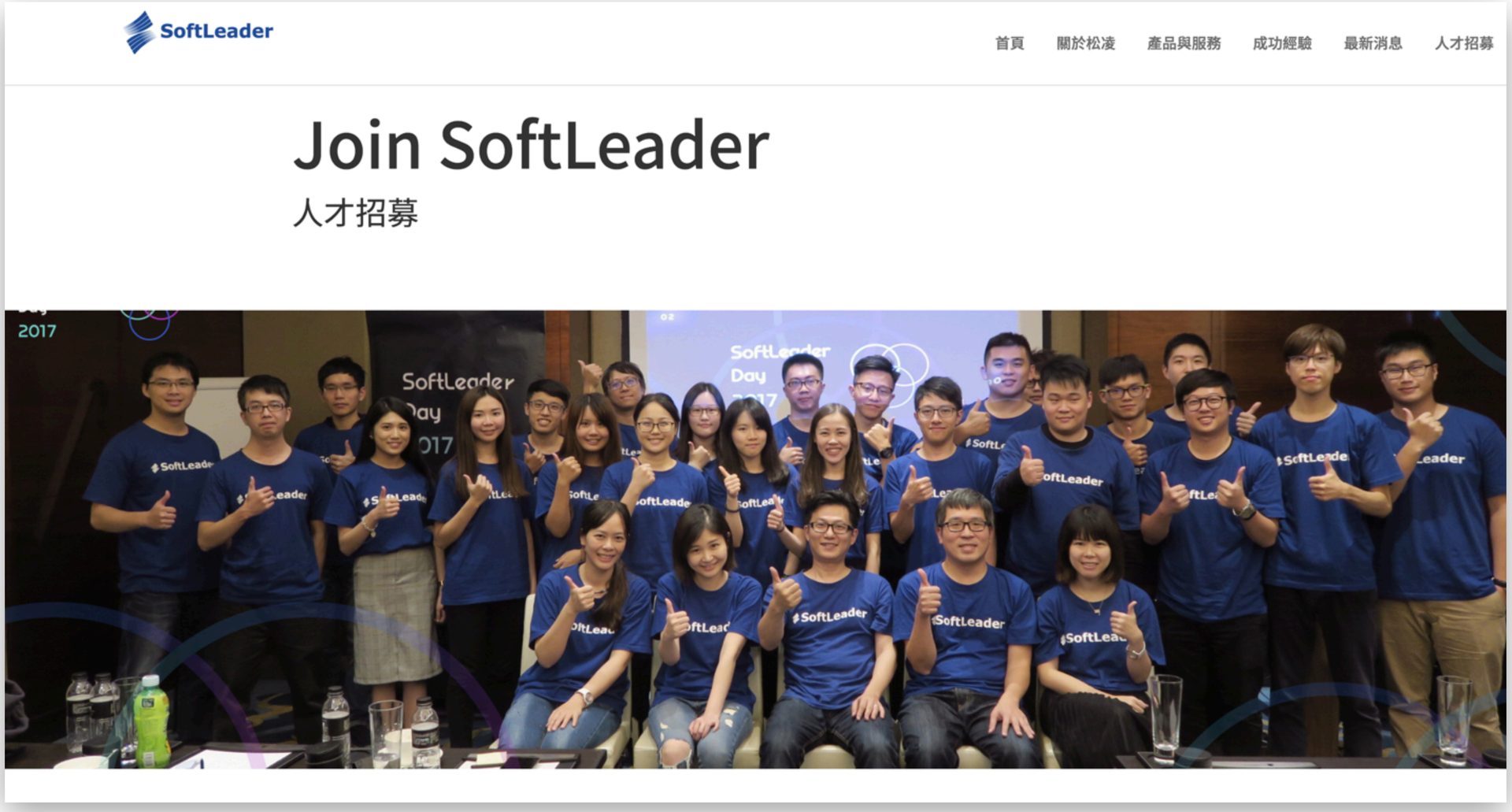
Microservice Architecture



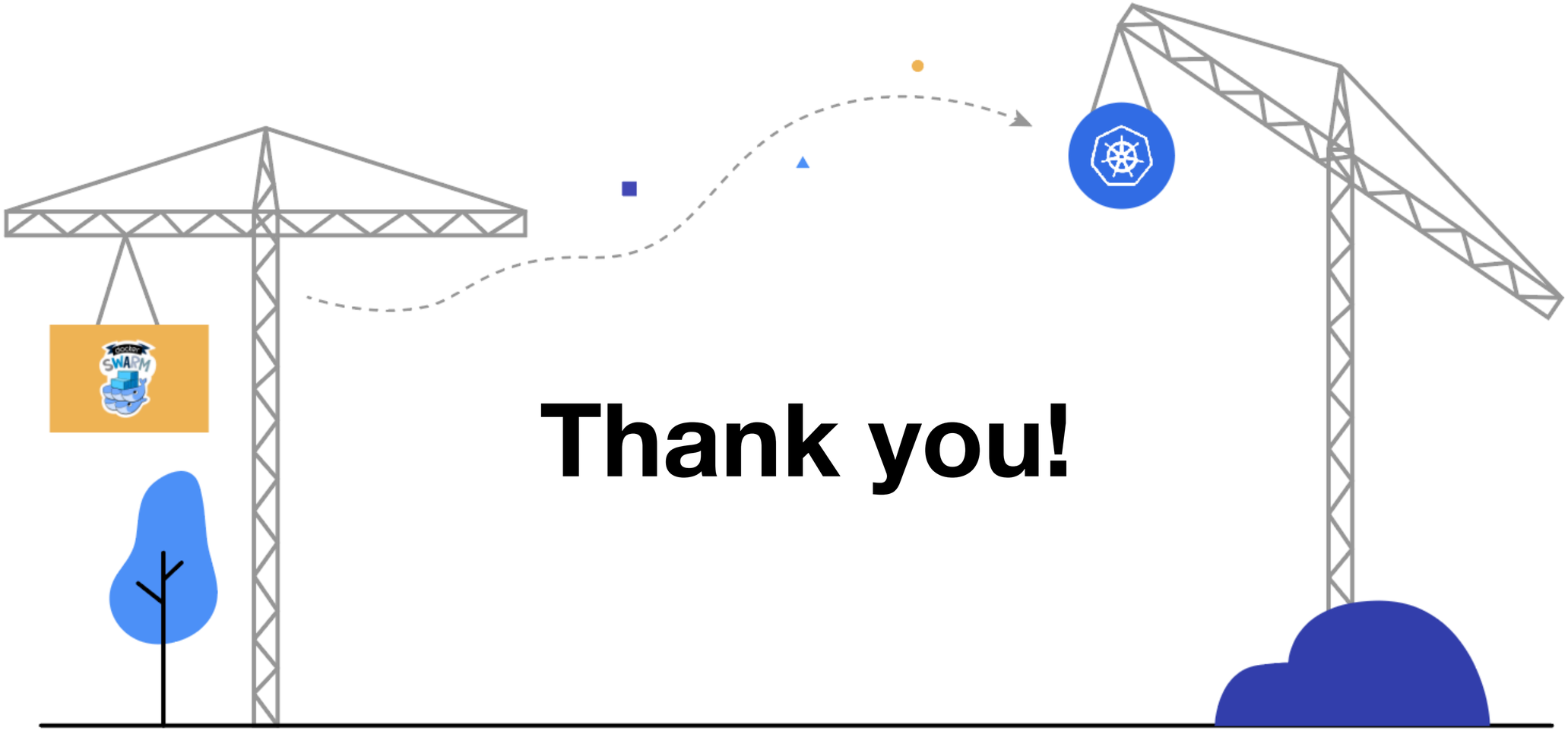
Helm Chart


IBM Cloud Private
Matt
Not Secure | https://192.168.1.93:8443/catalog/
Docs
admin
IBM Cloud Private
Create resource
Support
ibm-skydive-dev
Skydive is an open source real-time network topology and protocols analyzer.
ibm-charts
ibm-spectrum-conductor
IBM Spectrum Conductor with Spark 2.2.1 and IBM Spectrum Conductor Deep Learning
ibm-charts
ibm-spectrum-symphony
IBM Spectrum Symphony
ibm-charts
ibm-swift-sample
A Swift sample application.
ibm-charts
ibm-transadv-dev
IBM Cloud Product Insights Transformation Advisor
ibm-charts
ibm-voice-gateway-dev
IBM Voice Gateway Helm chart (Developer Trial)
ibm-charts
ibm-websphere-liberty
WebSphere Liberty for Linux on amd64, ppc64le and s390x
ibm-charts
ibm-webterminal-dev
A browser-based full xterm terminal.
ibm-charts
softleader-jasmine
A Helm chart for Kubernetes
local-charts
softleader-gardenia
A Helm chart for Kubernetes
local-charts
test
A Helm chart for Kubernetes
local-charts


SoftLeader
Clients Private Cloud
Developer
SCM
GitHub
CI/CD
Jenkins
Run tests
Build images
Push images
Docker Registry
Docker Registry
Jasmine
Gardenia
Azalea
HELM



https://www.softleader.com.tw/



Thank you!

SoftLeader
Softleader Technology Corp.
×
IBM