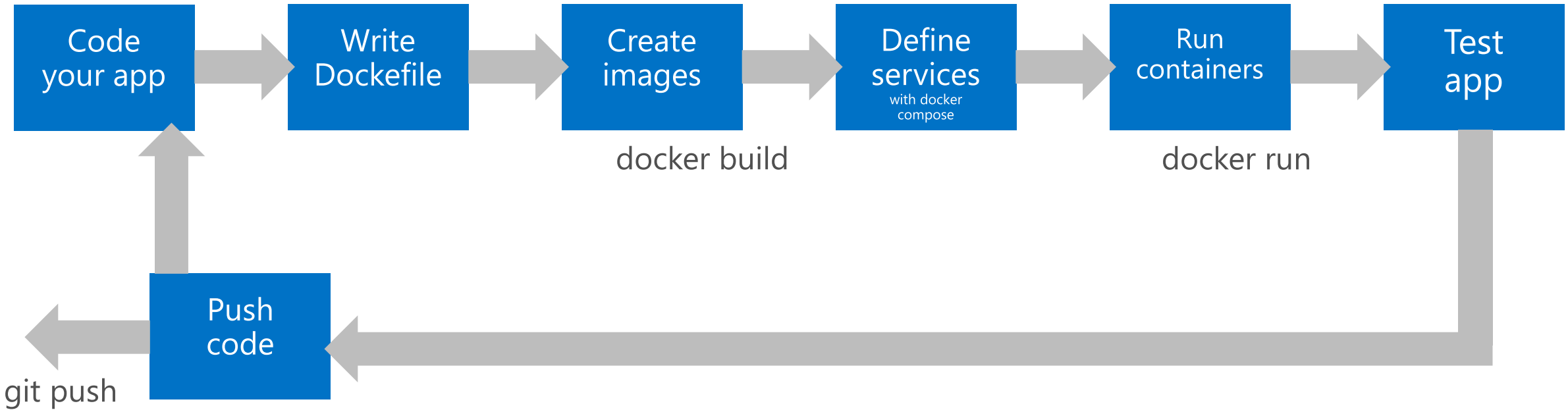
Inner-loop

HELM
DRAFT
Dev/Test
in cloud
Local
Development
and Build
Docker
Your favorite
IDE
Azure
Container
Registry
Azure
Dev Spaces

Inner loop //generic



Traditional way

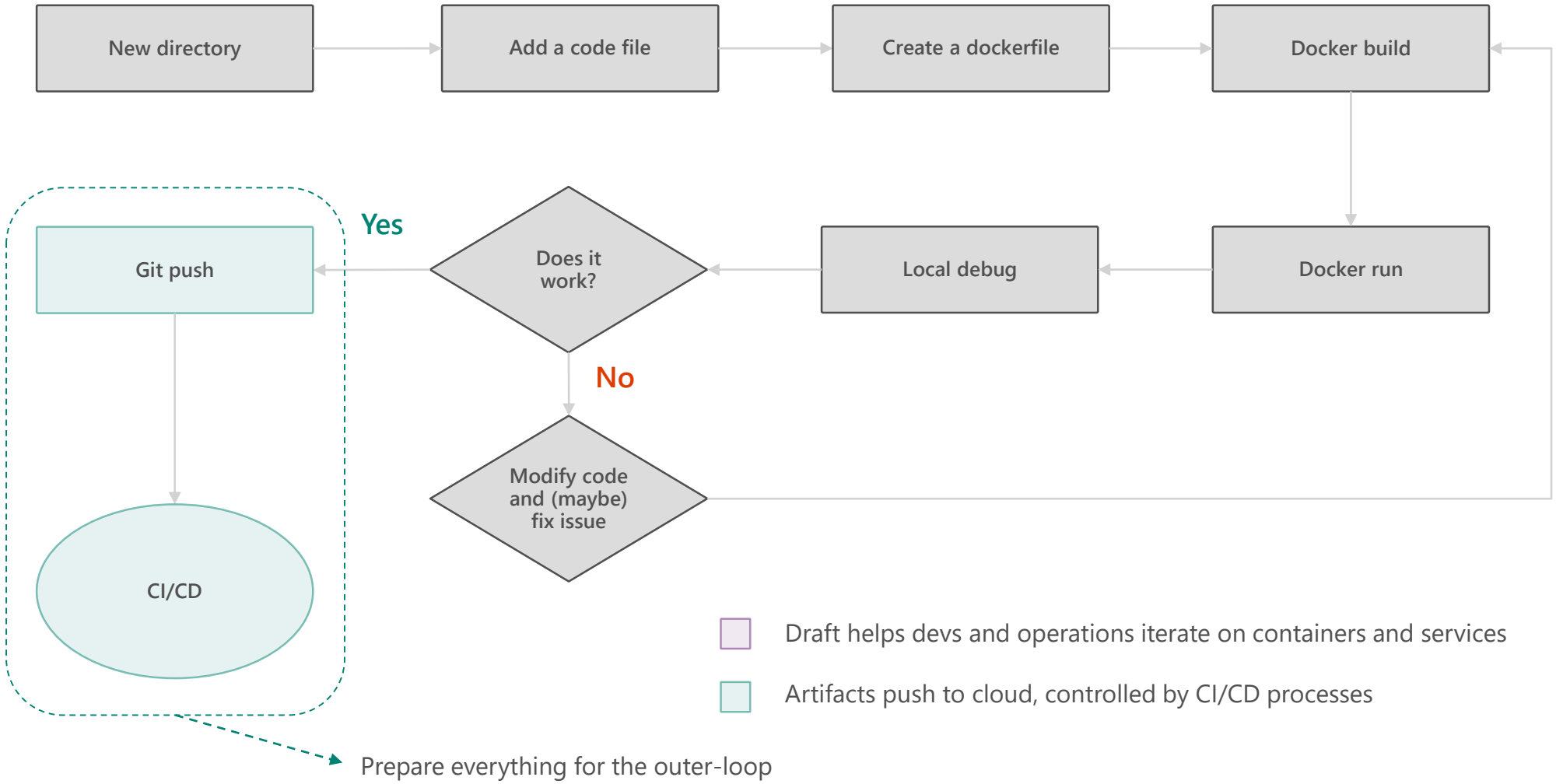
Code, build, run and debug locally

Local development and build

Dev/Test in cloud

Azure Container Registry

Azure Dev Spaces



Local development and build

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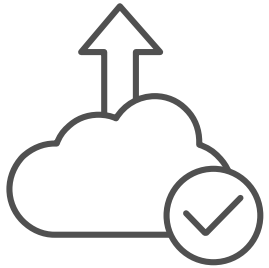
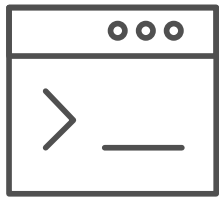
Draft

Simple app development and deployment – into any Kubernetes cluster



Simplified development

Using two simple commands, developers can now begin hacking on container-based applications without requiring Docker or even installing Kubernetes themselves



Language support

Draft detects which language your app is written in, and then uses packs to generate a Dockerfile and Helm Chart with the best practices for that language

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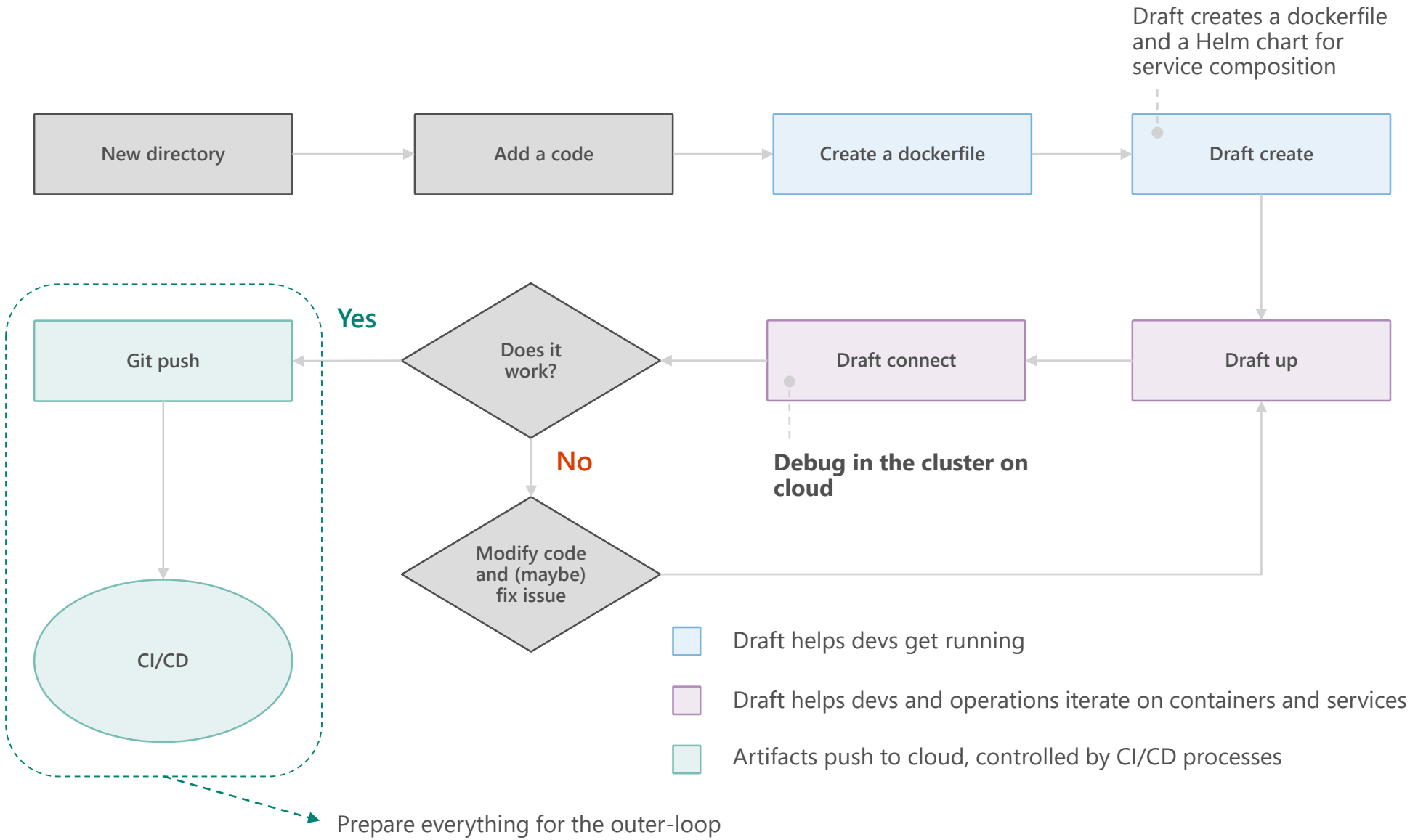
Draft

Debug containers in the cluster on cloud



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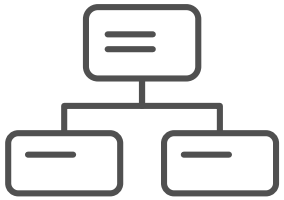
Helm

The best way to find, share, and use software built for Kubernetes



Manage complexity

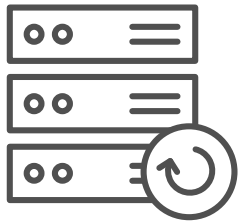
Charts can describe complex apps; provide repeatable app installs, and serve as a single point of authority

Easy updates

Take the pain out of updates with in-place upgrades and custom hooks

Simple sharing

Charts are easy to version, share, and host on public or private servers



Rollbacks

Use `helm rollout` to roll back to an older version of a release with ease

ACR Tasks

Images build, OS & Framework Patching

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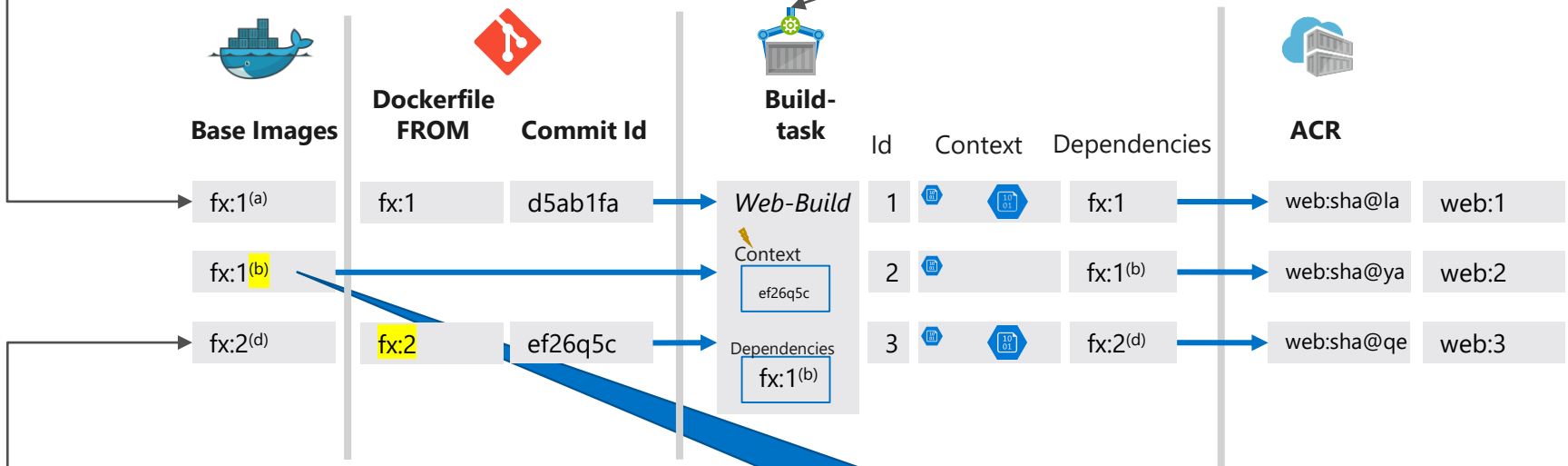
```
FROM myRegistry.azurecr.io/baseimages/fx:1
COPY . /output
EXPOSE 80
ENTRYPOINT ["entryPoint"]
```

```
az acr build-task create \
   -n Web-Build \
   -t web:${{.Build.ID}} \
   -c https://github.com/myrepo/web \
   --git-access-token $PAT \
   -r myRegistry
```




```
FROM myRegistry.azurecr.io/baseimages/fx:2
COPY . /output
EXPOSE 80
ENTRYPOINT ["entryPoint"]
```

fx ships an OS &/or FX Patch, using the stable 1 tag

Azure Dev Spaces

Smarter way to collaborate in microservices development

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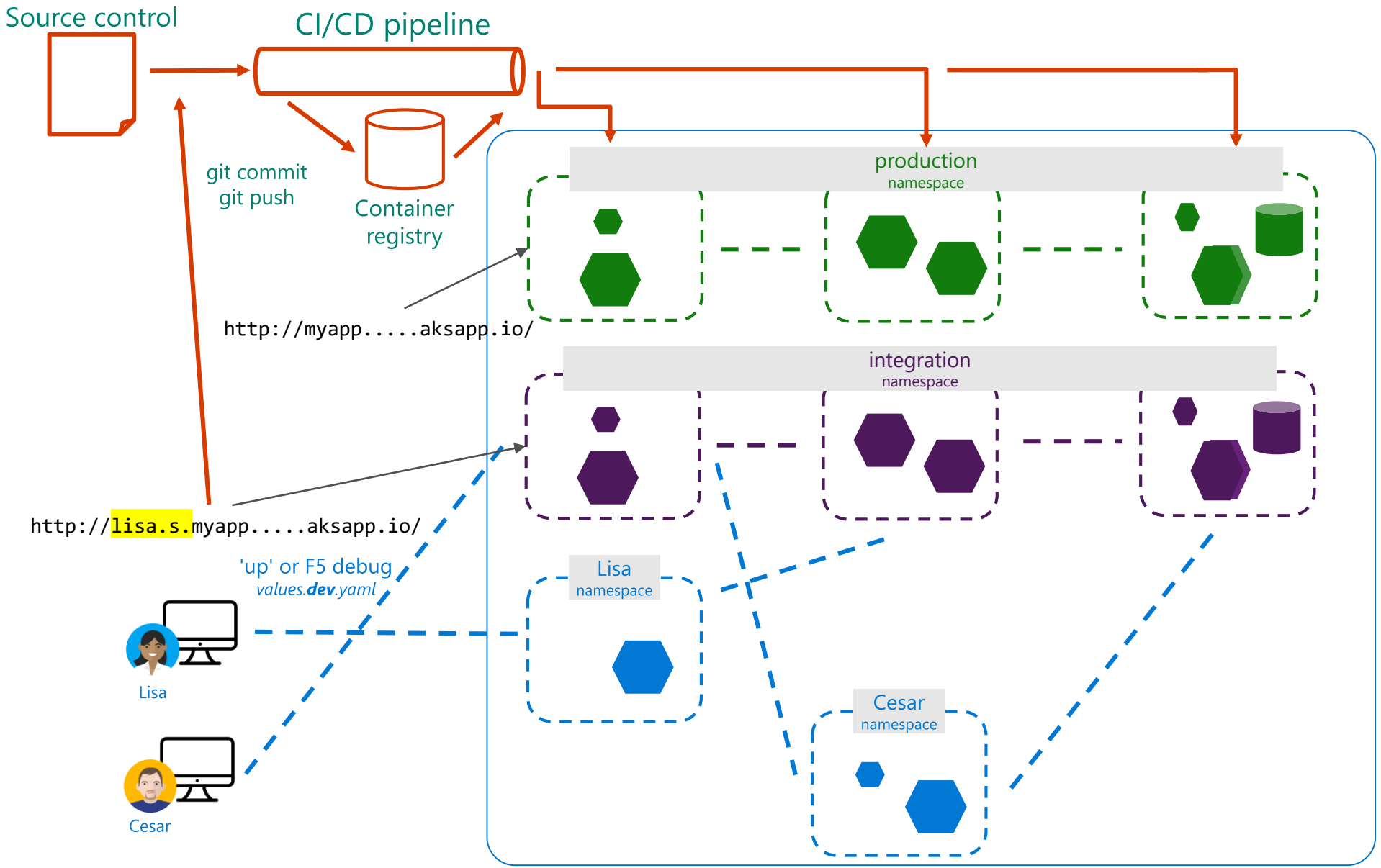
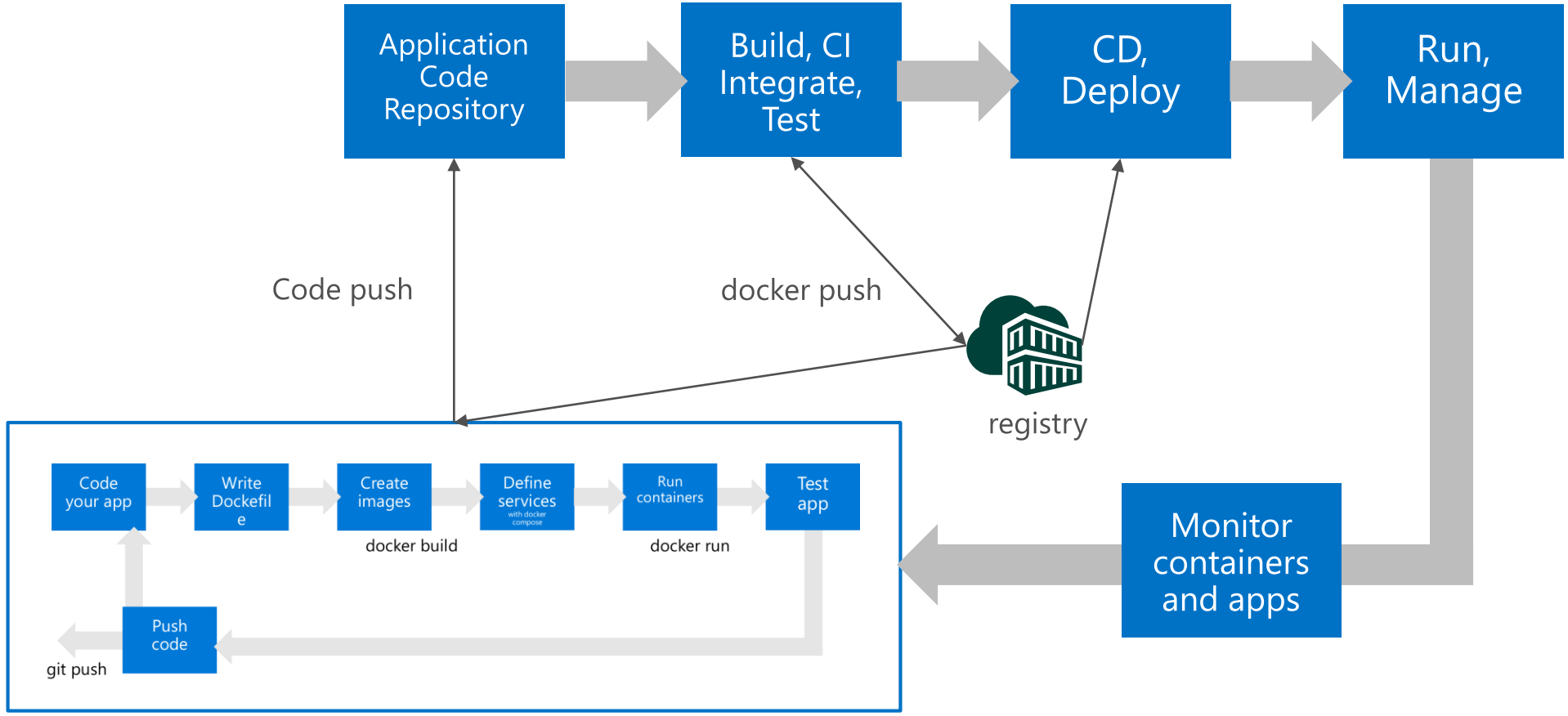
Outer-loop //generic