Developer **Deployment Manager** **Release Manager** **Deployment Board** **CI Manager**

Push Code to repo

Configure and deploy to personal dev environment

Configure deployment environments

Defines Release Configuration

Decides when to deploy to Production

Configure CI-System to deploy to Develop, Master, Tests Stageing and Production

KABA-TEN Cloud Foundry Deployment Framework [System]

Code Repository [External System]

Get Code from repo

Start deployment based on rules defined by CI Manager

CI-System [External System]

Get / Set keys and secrets for provisioning

Deploy and provision applications to specified Org / Space

Load modules and packages from registry

Secure Store [External System]

Cloud Foundry [External System]

Load modules and packages from registry

Artifact Repository / NPM Registry (public/private) [External System]

KABA-TEN CF-Deployment Framework – Context

Release Manager

Deployment Manager

Developer

CI Manager

Deployment Board

[Git]

[Git]

[Git]

[CLI]

[HTTPS]

[HTTPS]

CI-System
[External System]

Configuration Server
[External System]

[CLI]

[HTTPS]

CLI Client
[Container]

REST API
[Container]

Deployment Configuration Store
[Container]
[optional]
Stores Current and Desired Deployment configurations

Code Repository
[External System]

Read Release & Deployment Manifest
[Git]

[Process]

[Process]

Store Deployment Configurations and Status
[HTTPS]

Checkout Code
[Git]

Deployment Engine
[Container]

Process Manifests and Execute deployments.

Secure Store
[External System]

Get PW / Certs
[Git]

Write/Read temporary Files

File System
[Container]

Ephemeral Storage to build checkout and prepare packages.
[>10 GB / Deployment]

Get Modules
[HTTP]

Artifact Repository / NPM Registry (public/private)
[External System]

KABA-TEN Cloud Foundry Deployment Framework
system boundary

Get curent configuration, Deploy Actions
[REST]

Cloud Foundry
[External System]