

Pipelines

Table of Contents

To go faster developing Microservices its great to automate everything and have a *Continuous Deployment pipeline* for each Microservice. The pipeline then defines how to:

- build your Microservice and create an immutable docker image for it with a unique version label
- generate or enrich the versioned Kubernetes manifest for your Microservice
- run [system and integration tests](#) on your image to check its working correctly
- deploy your Microservice to an environment
- on approval deploy to the production environment

In **fabric8** we use [Jenkins Pipelines](#) to implement the pipeline for each Microservice. The pipeline is defined in a file called **Jenkinsfile** which is checked into the source repository of each Microservice so that its versioned along with the implementation code.

To get started with your first pipeline, just create a new Microservice using the [Developer Console](#) which will prompt you to pick a suitable pipeline from the [Reusable Pipeline Library](#)