Installing Funktion

Table of Contents

To use `funktion` you will need a kubernetes or openshift cluster.

If you are on your laptop a quick way to get a kubernetes cluster is by installing and starting minikube and then installing kubectl and putting it on your `PATH` environment variable.

To test your kubernetes cluster type the following commands which should succeed without error:

```
kubectl get node
kubectl get pod
```

Install the funktion binary

You will also need to download the funktion binary for your platform and add it to your `PATH` environment variable.

You can test its installed by typing the following in a command shell

```
funktion version
```

The funktion binary is self updating so you can upgrade your binary to newer versions if they are available via the following command:

```
funktion update
```

Installing the Funktion Platform

To install the funktion platform into your current kubernetes namespace:

```
funktion install platform
```

You can watch the funktion operator pod start via:

```
kubectl get pod -w
```

Using Funktion with the Fabric8 Developer Platform

If you are using the fabric8 developer platform then the exposecontroller and configmapcontroller microservices will already be installed. So you don't need to install them again.

So to install the funktion operator just type:

```
funktion install operator
```

Add flow connectors

Once you have the platform installed you may wish to install some connectors. For example to install the timer and twitter connectors try:

```
funktion install connector timer twitter
```

That will install `timer` and `twitter` connectors so that you can use them inside flows.

To see a list of all the connectors available type:

```
funktion install connector --list
```

To install all the connectors type:

```
funktion install connector --all
```

Note that installing a connector just creates a kubernetes `ConfigMap` resource; no containers are created until you use the connector in a flow.