

Using the CLI

# Table of Contents

Browsing resources .....	1
Deleting resources .....	1
Installing Runtimes and Connectors .....	1
Running the Operator .....	2
Subscribing to events .....	2

You can get help on the available commands via:

```
funktion
```

## Browsing resources

To list all the resources of different kind via:

```
funktion get connector  
funktion get subscription  
funktion get function  
funktion get runtime
```

or to save typing you can use:

```
funktion get c  
funktion get s  
funktion get f  
funktion get r
```

## Deleting resources

You can delete a Connector or Subscription via:

```
funktion delete connector foo  
funktion delete subscription bar  
funktion delete function whatnot  
funktion delete runtime nodejs
```

Or to remove all the Subscriptions or Connectors use **--all**

```
funktion delete subscription --all
```

## Installing Runtimes and Connectors

To install the default function runtimes and connectors into your namespace type the following:

```
funktion install --all-connectors
```

There's over [200 connectors](#) provided out of the box. If you only want to install a number of them you can specify their names as parameters

```
funktion install amqp kafka timer
```

To just get a feel for what connectors are available without installing them try:

```
funktion install --list-connectors
```

or for short:

```
funktion install -l
```

## Running the Operator

You can run the funktion operator from the command line if you prefer:

```
funktion operate
```

Though ideally we'd run the `funktion application` inside kubernetes; via a helm chart, `kubectl apply` or the `Run...` button in the [fabric8 developer console](#)

## Subscribing to events

To create a new subscription for a connector try the following:

```
funktion subscribe --from timer://bar?period=5000 --to http://foo/
```

This will generate a new `Subscription` which will result in a new `Deployment` being created and one or more Pods should spin up.

Note that you must be running the `Operator` as described in the section above; its the `Operator` which actually creates a `Deployment` for each `Subscription`.

Also note that the first time you try out a new Connector kind it may take a few moments to download the docker image for this connector - particularly the first time you use a connector.

Once a pod has started for the `Deployment` you can then view the logs of a subscription via `kubectl`

```
kubectl logs -f nameOfSubscription[TAB]
```

## Scaling a Subscription

If you want to stop a subscription type:

```
kubectl scale --replicas=0 deployment nameOfSubscription
```

To start it again:

```
kubectl scale --replicas=1 deployment nameOfSubscription
```

## Using kubectl directly

You can also create a Subscription using **kubectl** if you prefer:

```
kubectl apply -f https://github.com/fabric8io/funktion-operator/blob/master/examples/subscription1.yml
```

You can view all the Connectors and Subscriptions via:

```
kubectl get cm
```

Or delete them via

```
kubectl delete cm nameOfConnectorOrSubscription
```