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# Terminology

This section defines all the terms used in the `funktion` project

## Connector

A `connector` represents a way to connect to some event source, including most network protocols, transports, databases, messaging systems, social networks, cloud services and SaaS offerings. Funktion supports [over 200 event sources](#).

At the implementation level a `connector` represents the kubernetes `deployment` metadata required to take the `flow` and implement it as one or more kubernetes `Pods`.

## Flow

A `flow` is a sequence of `steps` such as consuming events from an `endpoint` or invoking a `function`.

## Subscription

A subscription consists of one or more `flows` which bind events to HTTP endpoints and functions.

For example here is a sample subscription with a single flow:

```
flows:
- steps:
  - kind: endpoint
    uri: timer:///foo?fixedRate=true&period=5000
  - kind: endpoint
    uri: http://myendpoint/
```

Creating a `subscription` results in the `funktion operator` creating an associated `deployment` which implements the flows.

## Function

A `function` is some source code to implement a function in some programming language like JavaScript, python or ruby.

## Runtime

A `runtime` represents the kubernetes `deployment` metadata required to take a function source in some programming language and implement it as one or more pods.

The `funktion operator` then detects a new `function` resource being created or updated and creates the associated `runtime` deployment

# Funktion Operator

The `funktion operator` is a running `pod` in kubernetes which monitors for all the funktion resources like `function`, `runtime`, `connector` and `subscription` and creates, updates or deletes the associated kubernetes `deployments` and `services` so that as you create a `subscription` or `function` the associated kubernetes resources are created.