cameron
Workflow Engine
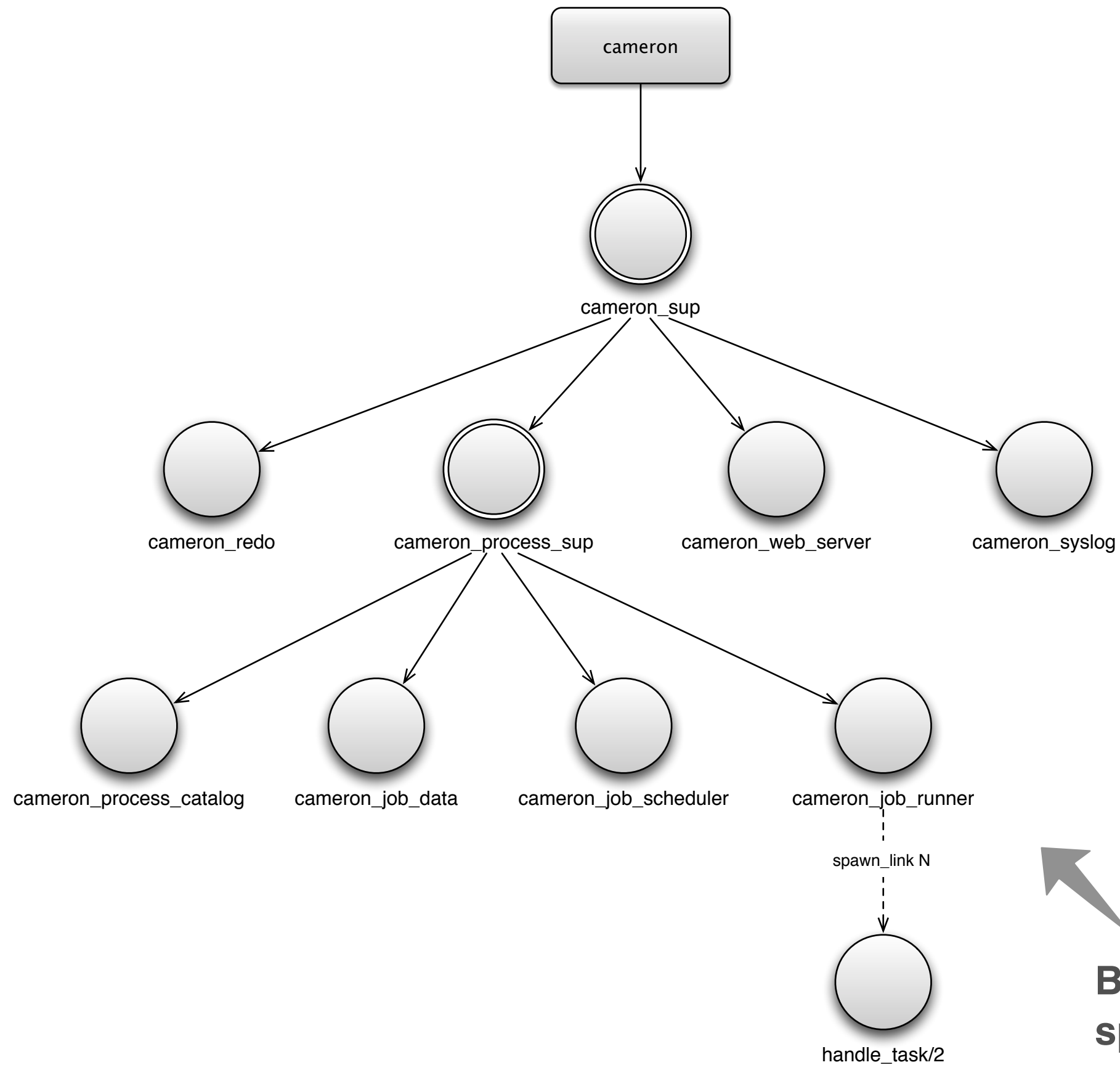
https://github.com/leandrosilva/cameron

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What is it?
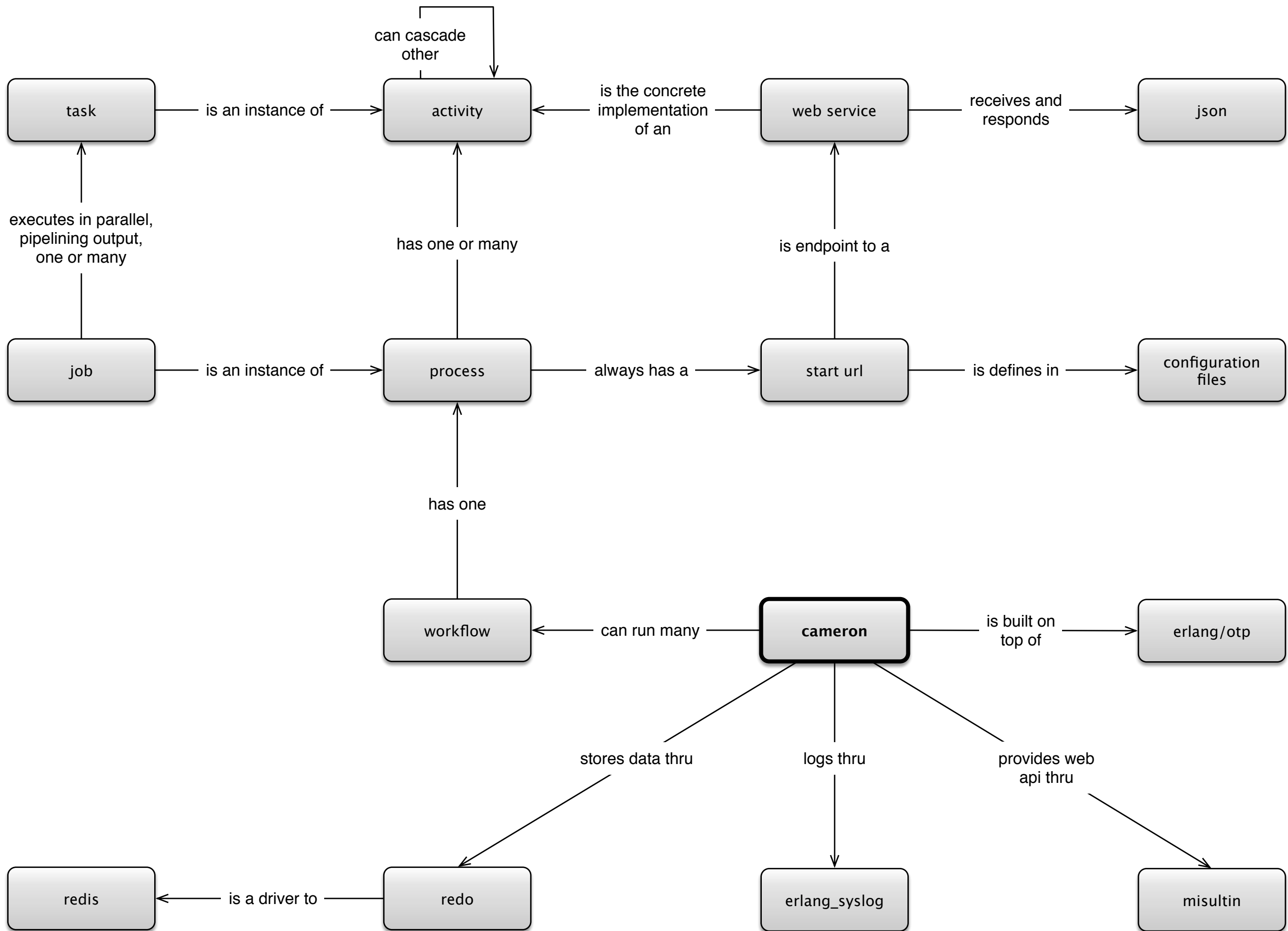
Topology of The Processes

```
cameron
```

cameron_sup

cameron_redo   cameron_process_sup   cameron_web_server   cameron_syslog

cameron_process_catalog   cameron_job_data   cameron_job_scheduler   cameron_job_runner

spawn_link N

handle_task/2

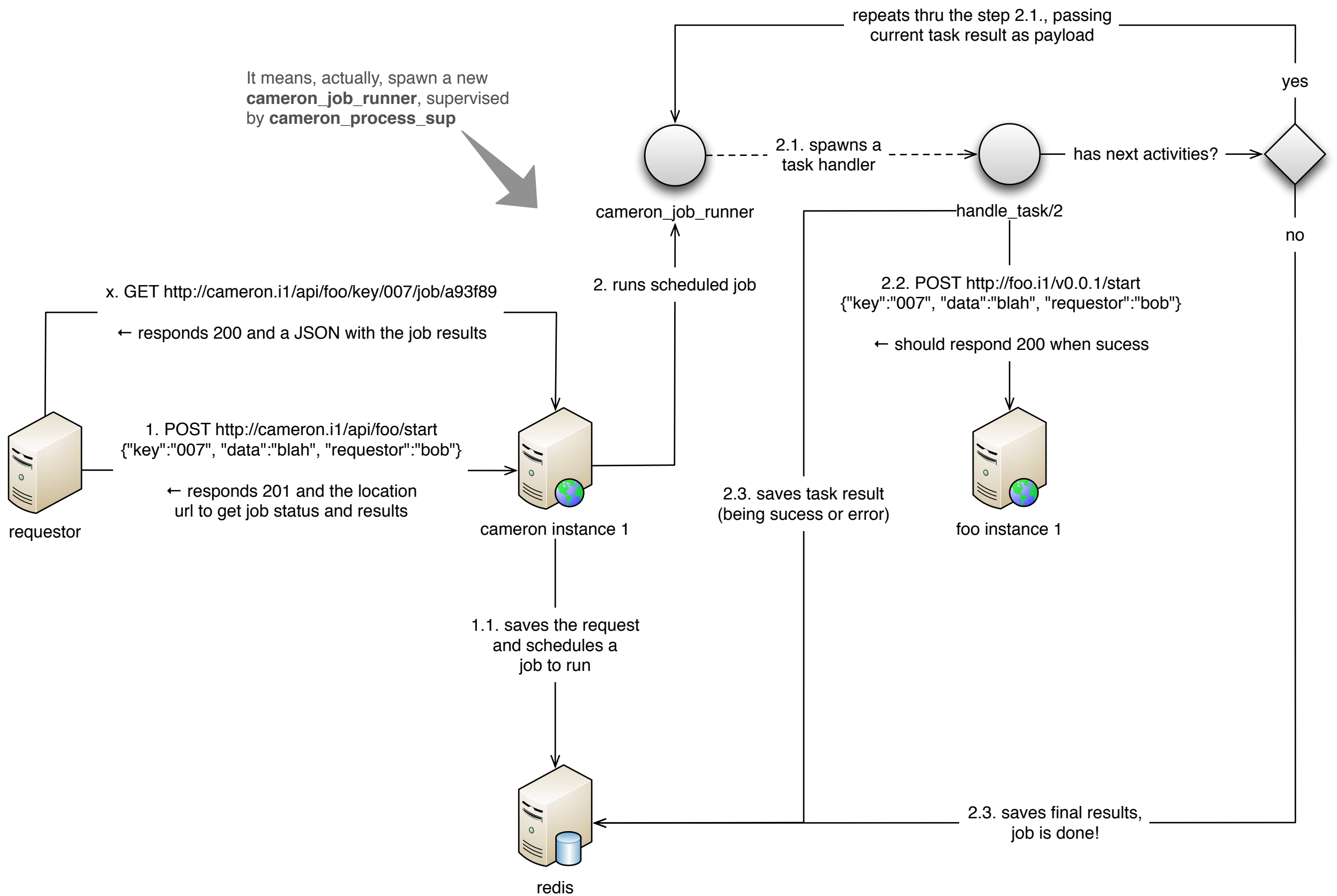## Being more specific...

Actually, it spawns many instances of gen_server **cameron_job_runner** registered as **cameron_{uuid}**

Walking from request to getting things done...

repeats thru the step 2.1., passing
current task result as payload

It means, actually, spawn a new
cameron_job_runner, supervised
by **cameron_process_sup**

yes

2.1. spawns a
task handler

has next activities?

cameron_job_runner

handle_task/2

no

x. GET http://cameron.i1/api/foo/key/007/job/a93f89

← responds 200 and a JSON with the job results

2. runs scheduled job

2.2. POST http://foo.i1/v0.0.1/start
{"key":"007", "data":"blah", "requestor":"bob"}

← should respond 200 when sucess

1. POST http://cameron.i1/api/foo/start
{"key":"007", "data":"blah", "requestor":"bob"}

← responds 201 and the location
url to get job status and results

requestor

cameron instance 1

2.3. saves task result
(being sucess or error)

foo instance 1

1.1. saves the request
and schedules a
job to run

2.3. saves final results,
job is done!

redis

Which workflow?

Before make a request to a given process workflow, we need to setup it at

config/process/{environment}.config

In this case: `{process, [{foo, {start_activity_url, "http://foo.i1/v0.0.1/start"}}]}`.