Montpellier Ressources Imagerie

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Omero Web Proxy

imports in the background

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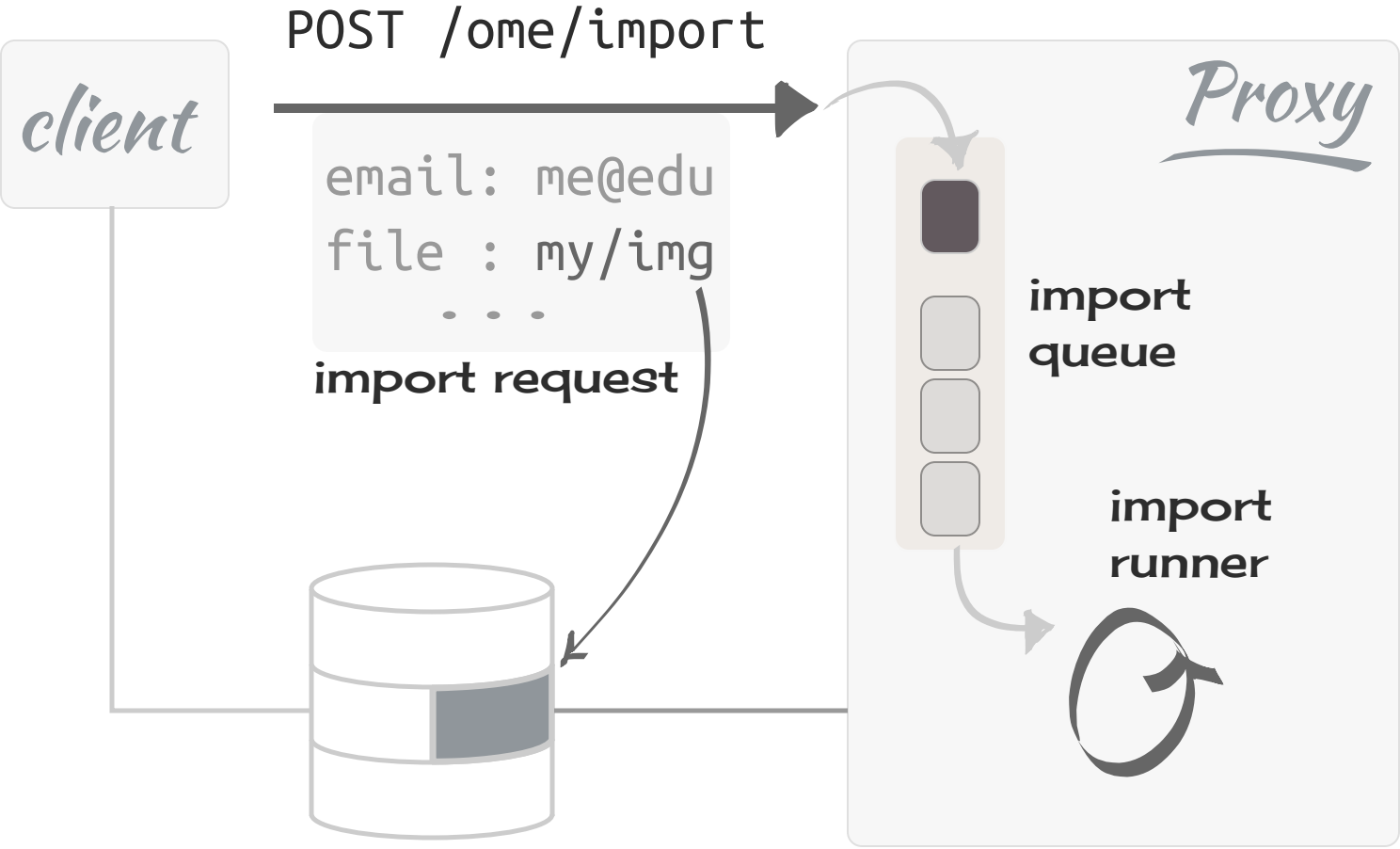# Java Web-based work queue to run imports on behalf of OMERO clients

Omero Web Proxy

imports in the background

Check it out (tech preview!)
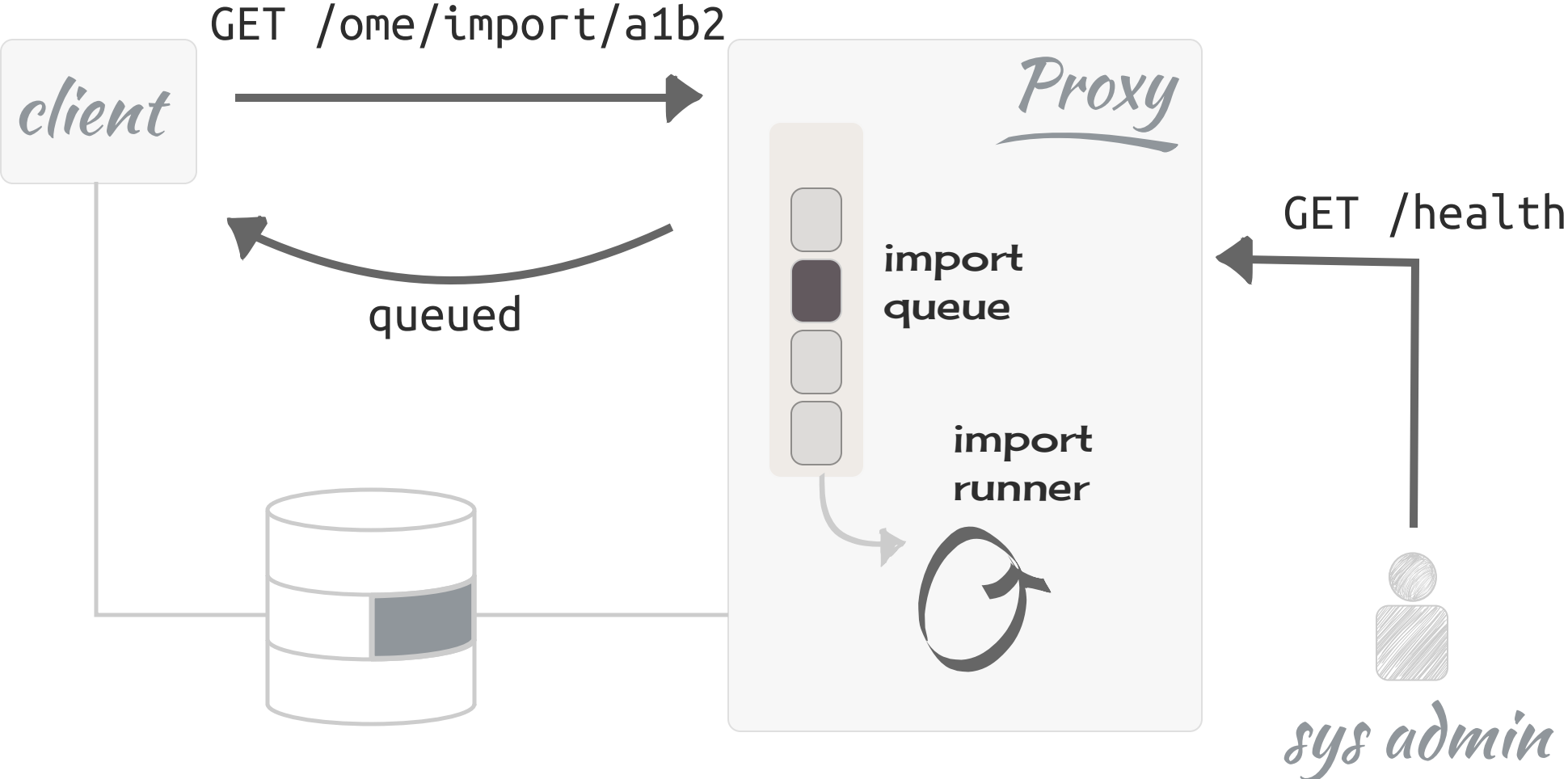
https://github.com/c0c0n3/ome-smuggler

```
$ git clone https://github.com/c0c0n3/ome-smuggler.git
$ cd ome-smuggler
$ ./gradlew build :packager:release
$ ls components/packager/build/distributions/

  (generic, Windows service, Linux daemon)
```
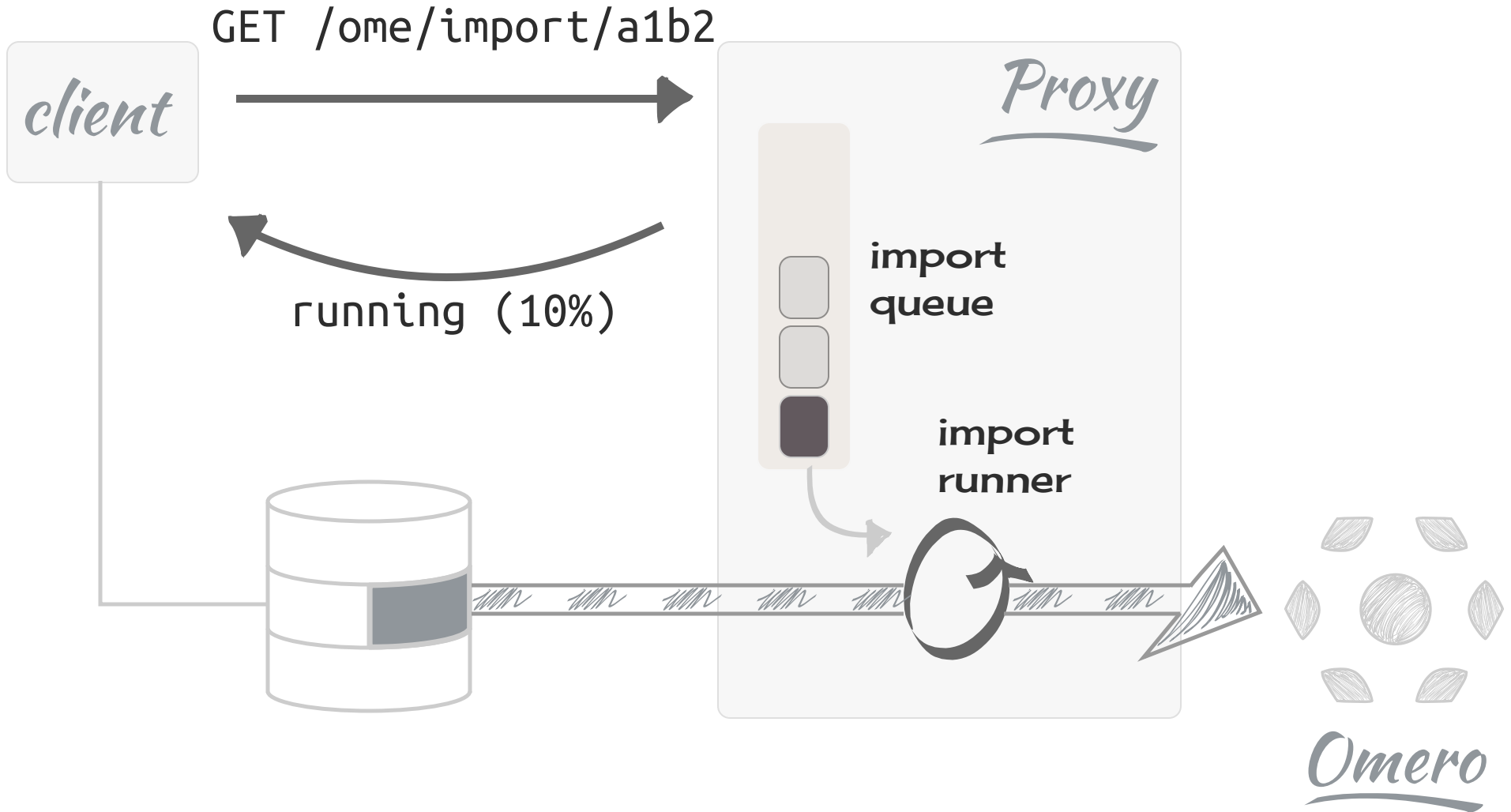
Queuing an import
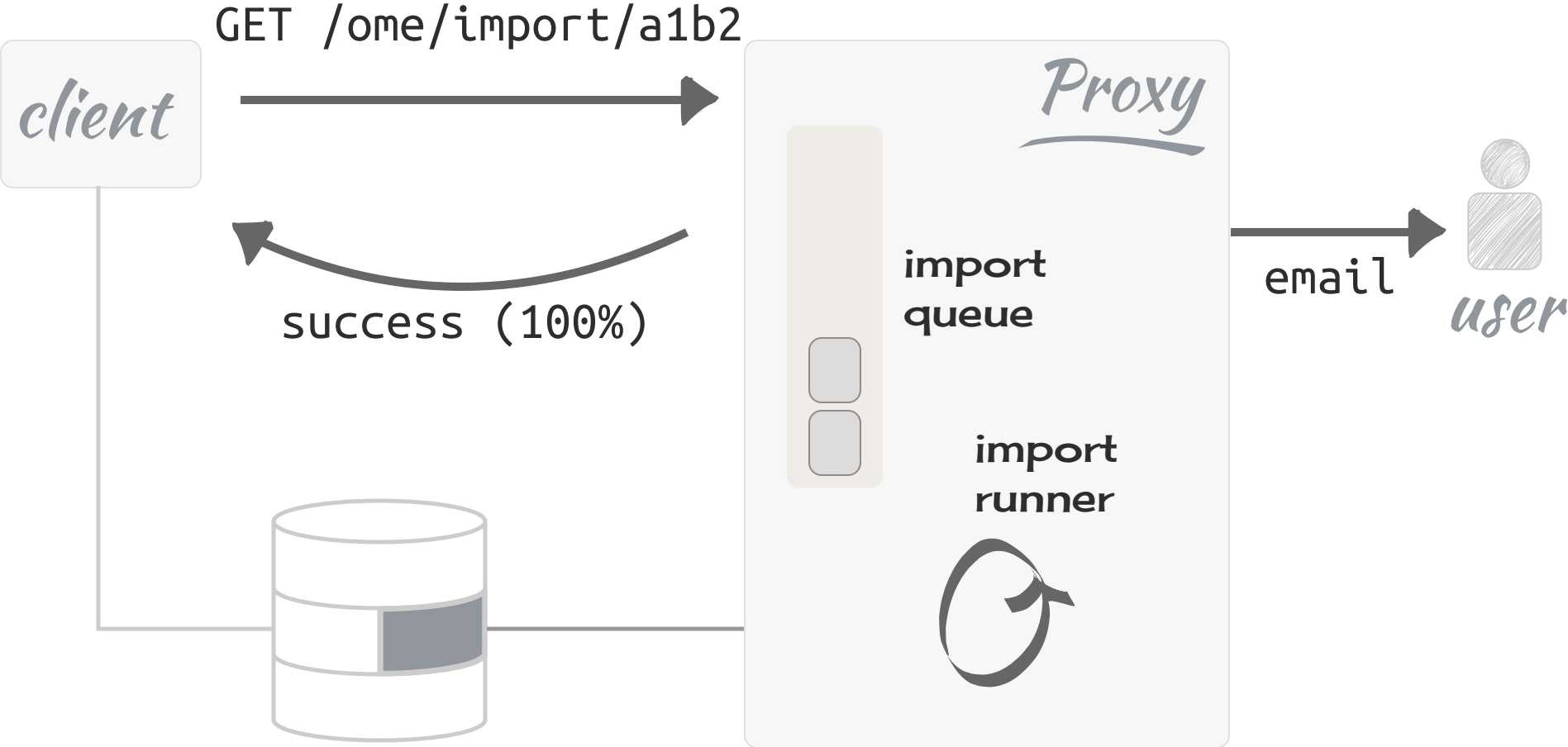
POST /ome/import

client

email: me@edu
file : my/img
. . .

import request

Proxy

import queue

import runner

Getting feedback

GET /ome/import/a1b2

client

Proxy

queued

import
queue

import
runner

GET /health

sys admin

Running an import

GET /ome/import/a1b2

client

running (10%)

Proxy

import
queue

import
runner

Omero

Outcome notification

GET /ome/import/a1b2

client

success (100%)

Proxy

import
queue

import
runner

email

user

messaging

loose coupling

reactive architecture

scalability

resilience

HTTP import

HTTP task failure
monitoring & management

Spring Boot App

HTTP monitoring
and management

JMX monitoring
and management

Omero Web Proxy

Spring

MVC

REST
contollers

services

IoC

config

messaging

Undertow

HornetQ

Core API
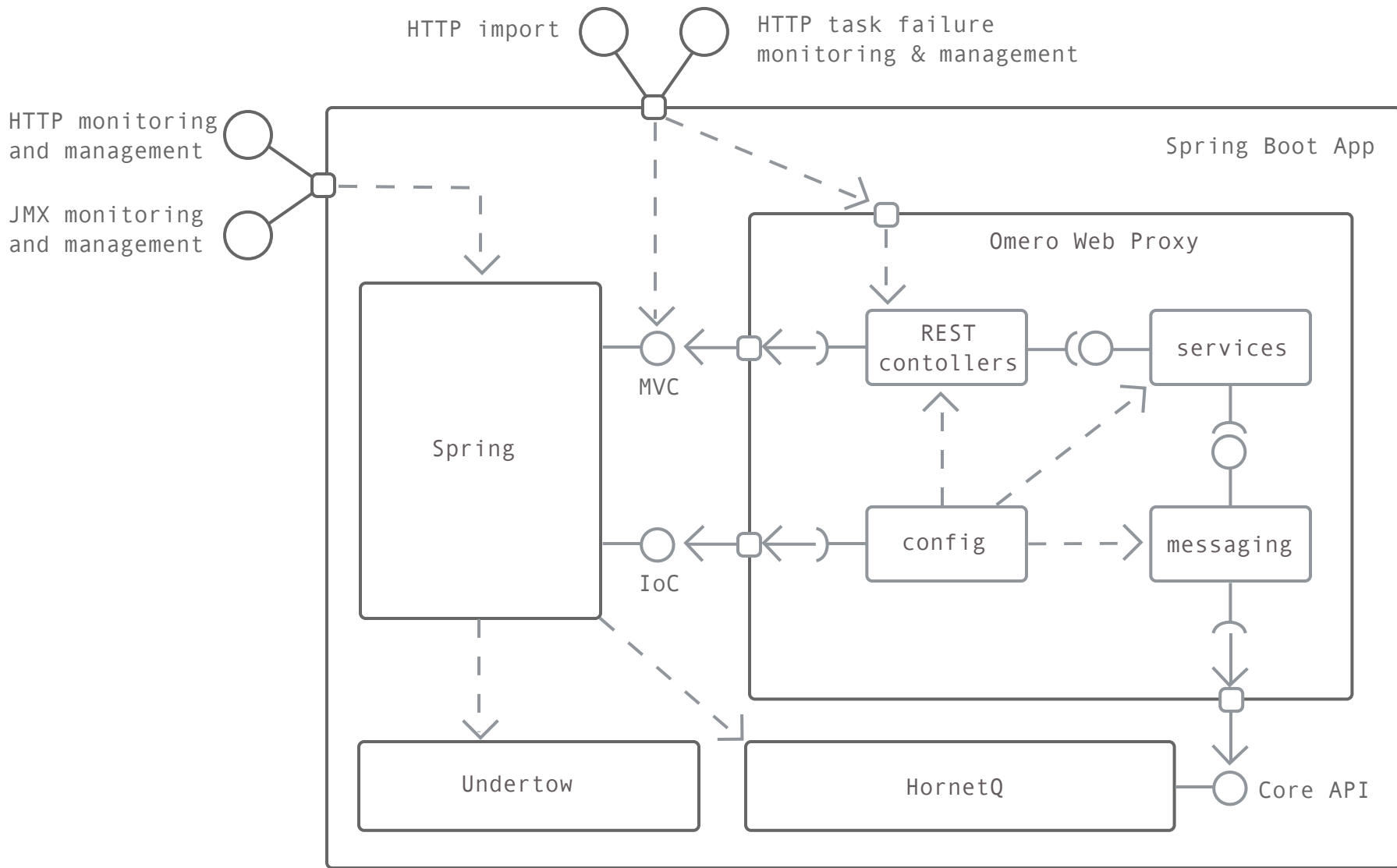
components to package mapping:

REST controllers
services
messaging
config

web
core.service
q, core.msg
config