



SELINON

DISTRIBUTED COMPUTING WITH PYTHON

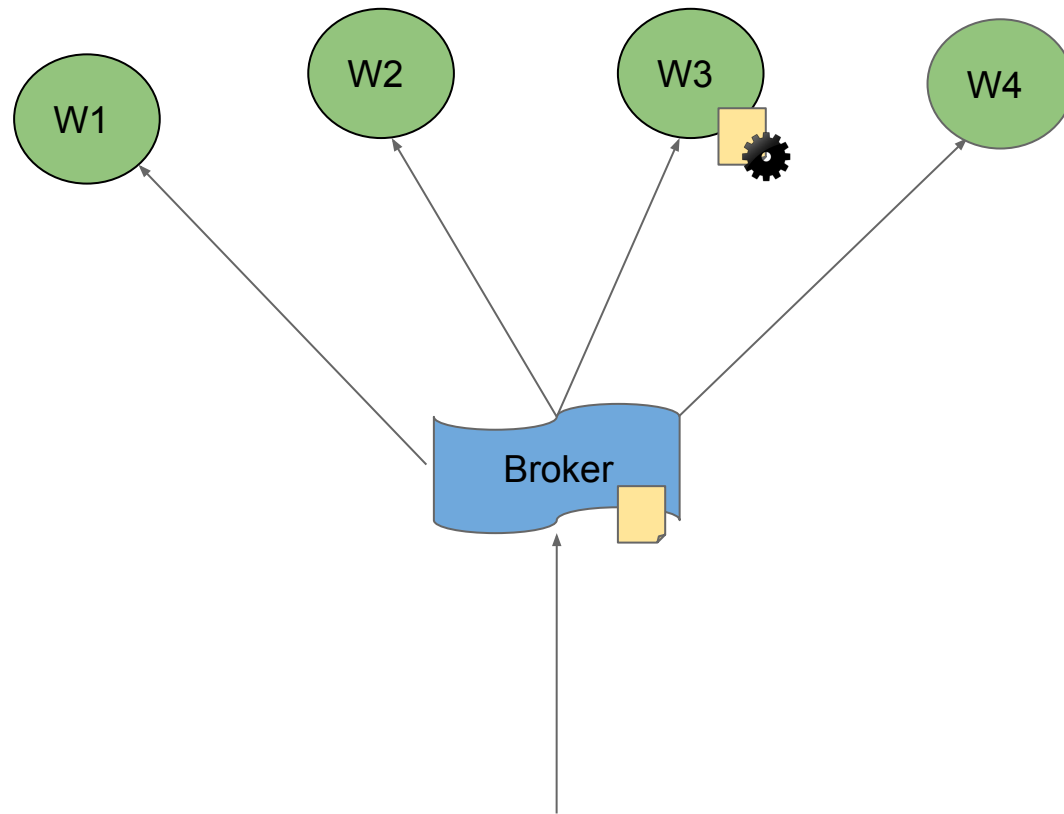
Fridolín Pokorný
<fridolin@redhat.com>
Twitter: @fridex

CELERY PROJECT

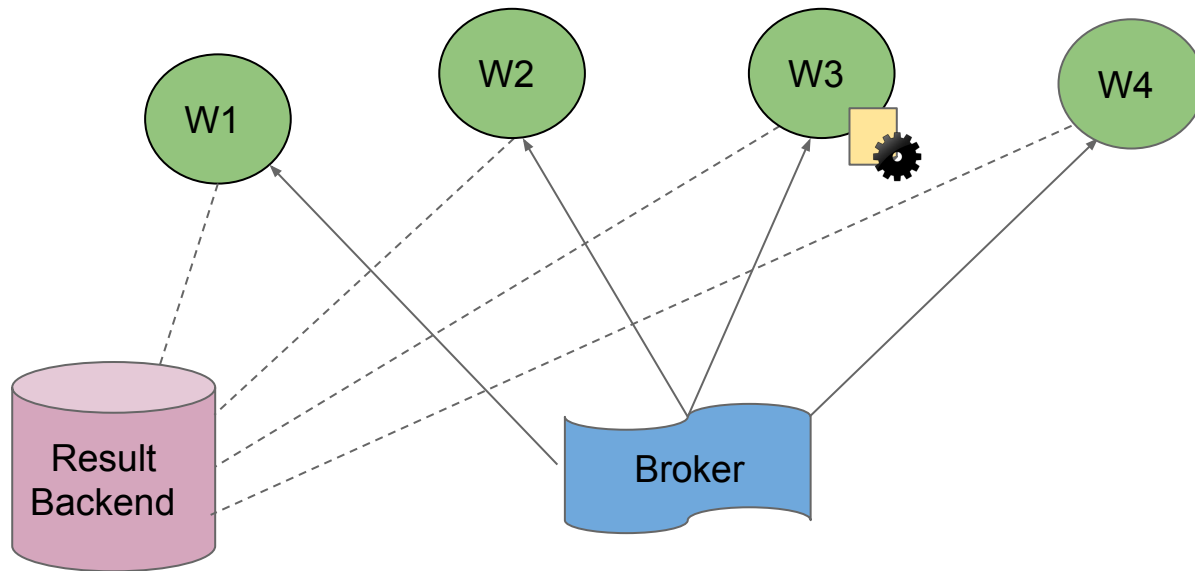


- Celery project
 - <http://celeryproject.org/>
- Distributed task queue
- Django Celery

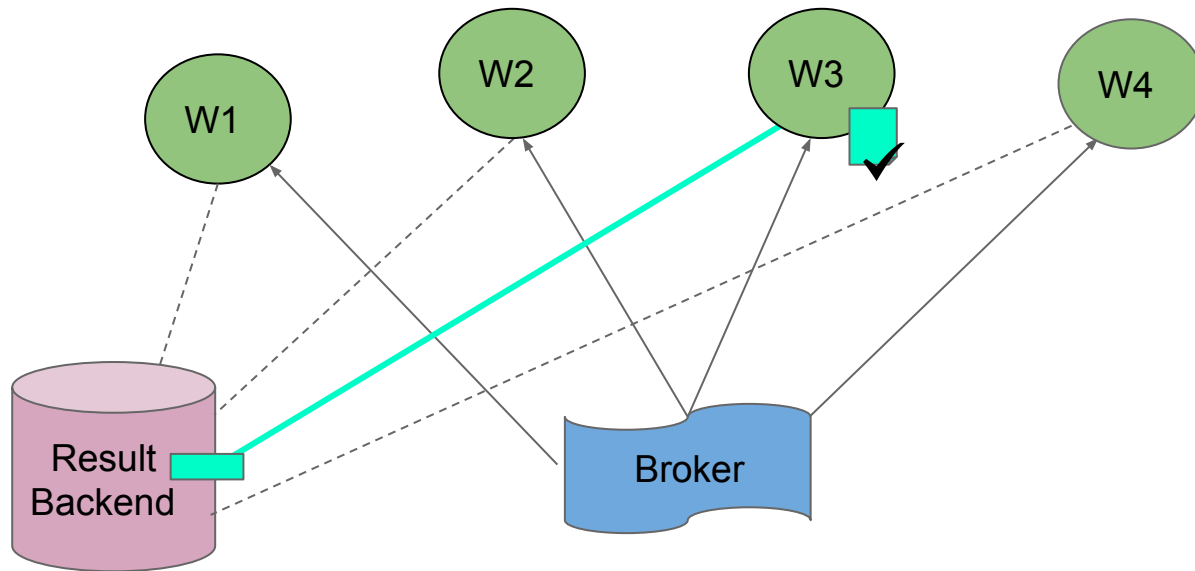
CELERY OVERVIEW



CELERY OVERVIEW

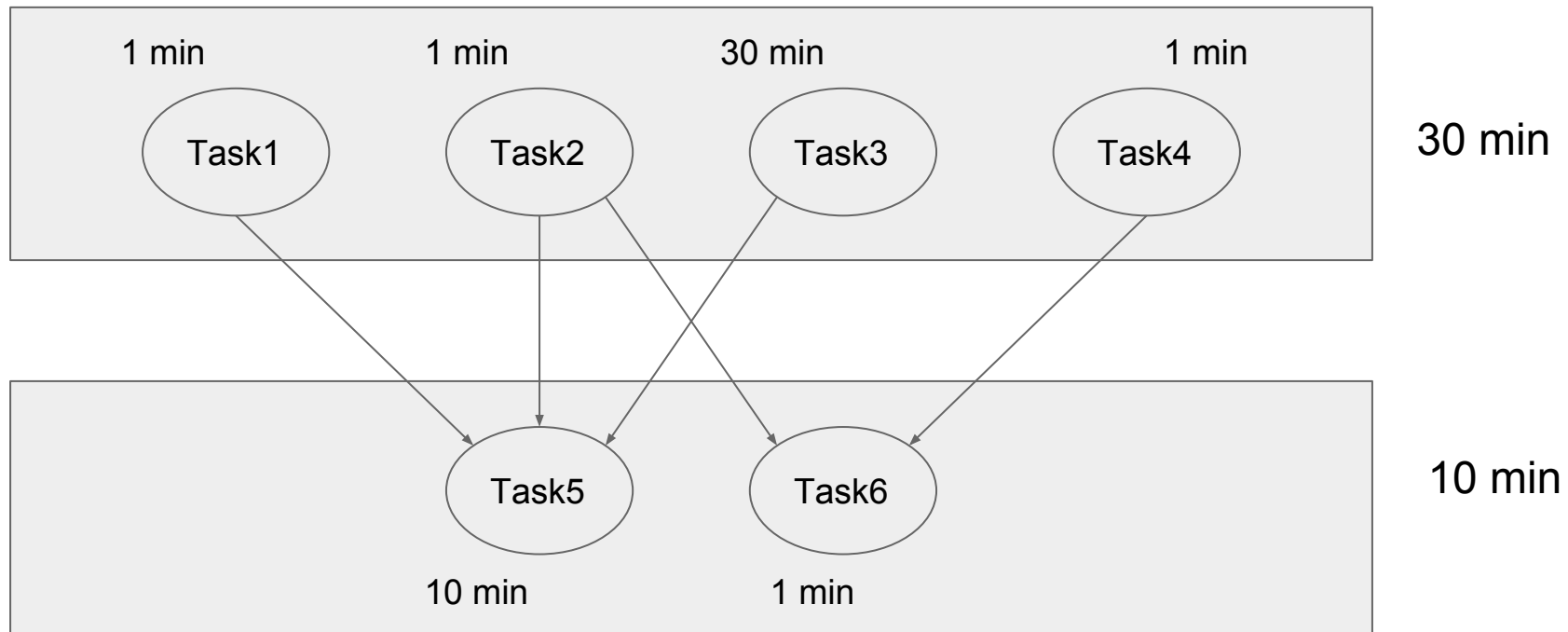


CELERY OVERVIEW



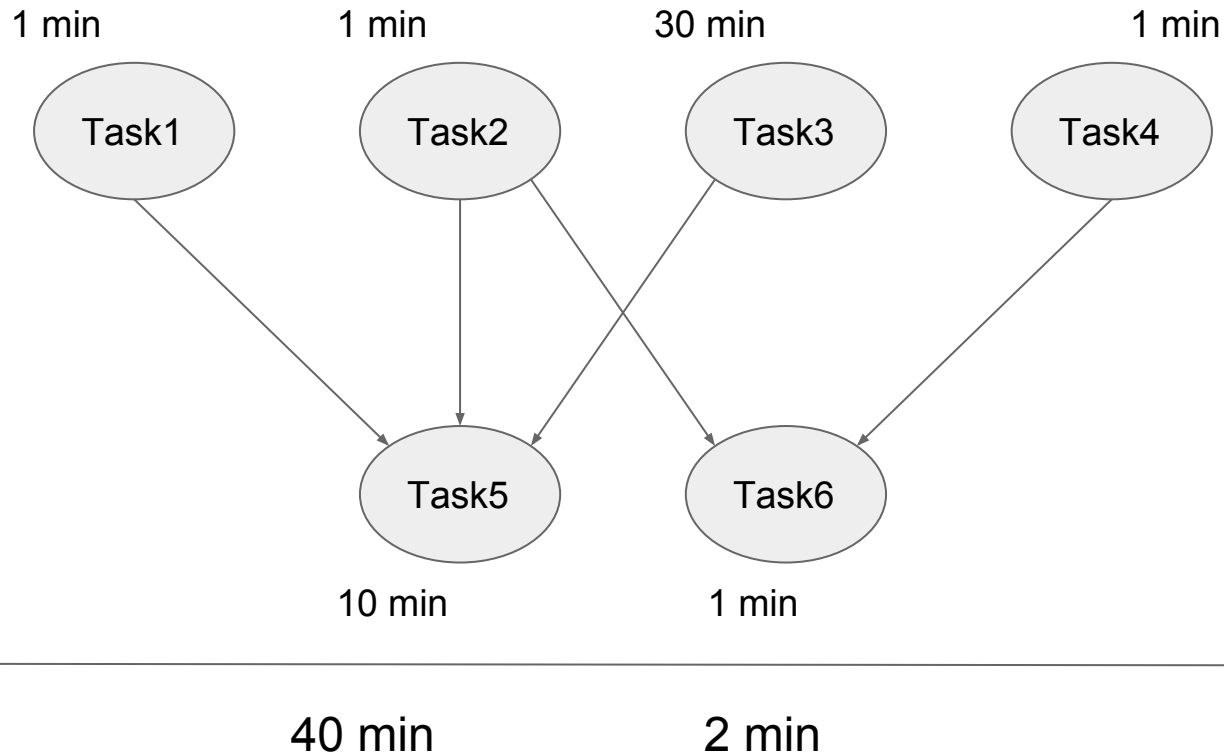
TASK FLOW!

FLOW DESIGN



Total: 40 min

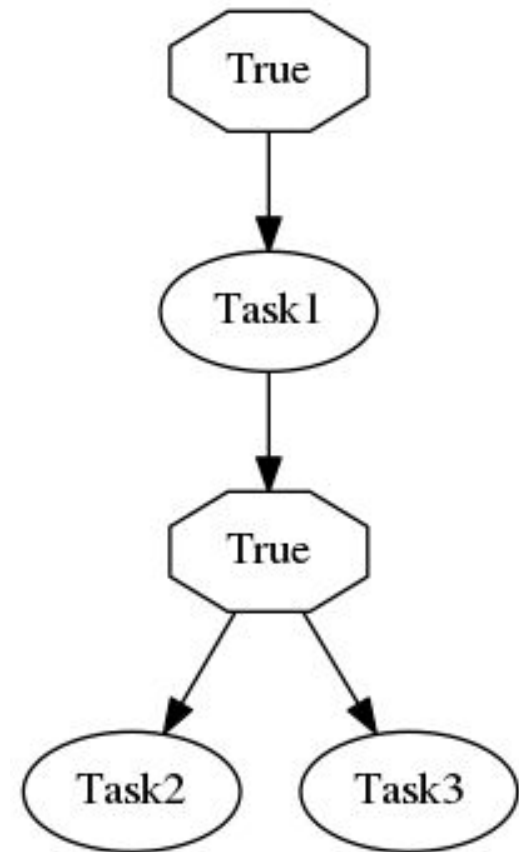
FLOW DESIGN



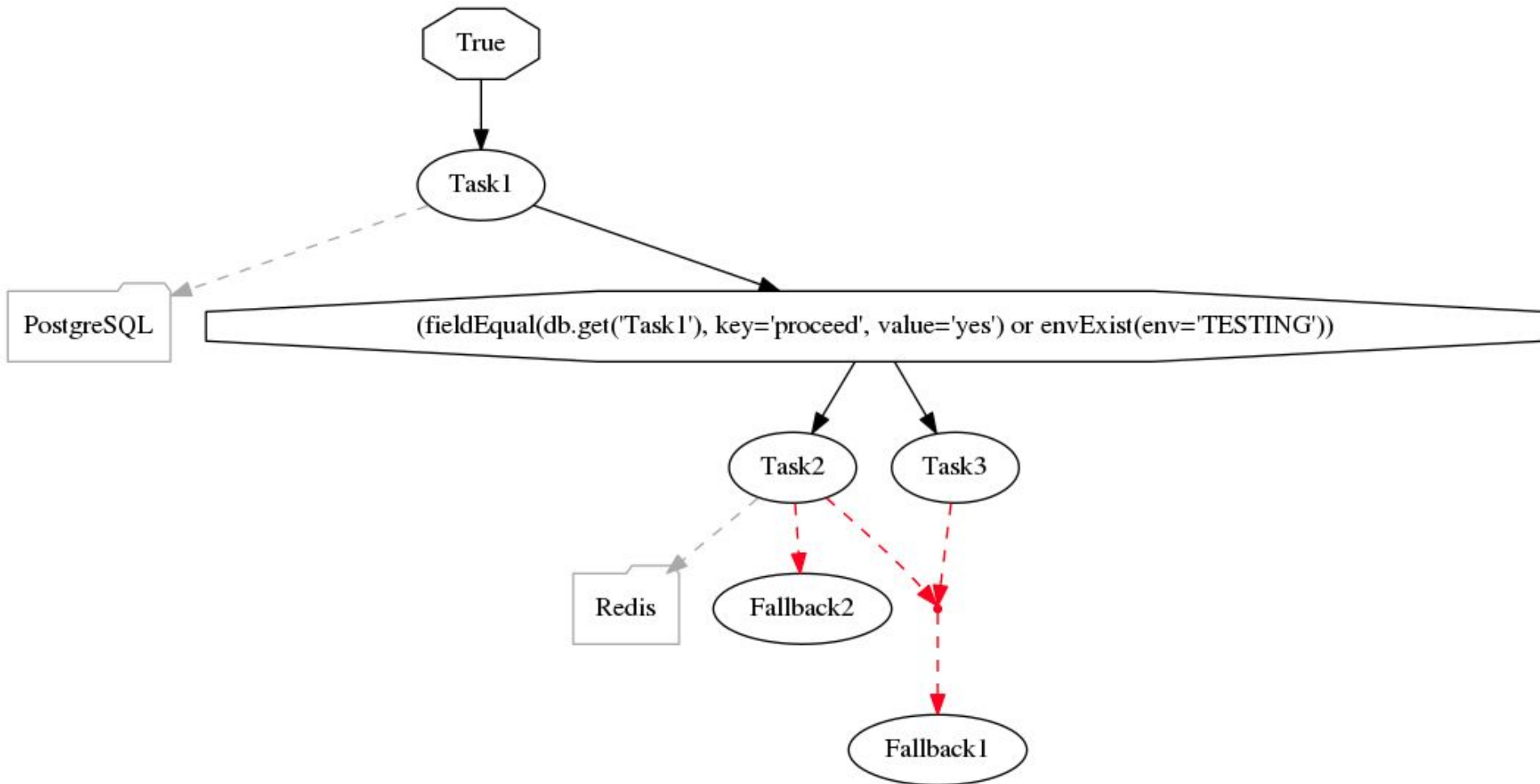
YAML CONFIGURATION

```
tasks:  
  - name: Task1  
    import: myproject.tasks  
  
  - ...
```

```
flow-definitions:  
  - name: flow1  
    edges:  
      - from:  
        to: Task1  
  
      - from: Task1  
        to:  
          - Task2  
          - Task3
```

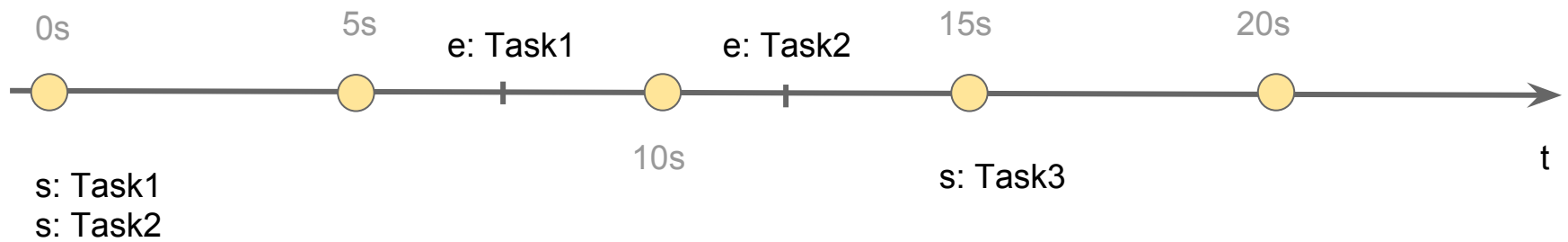
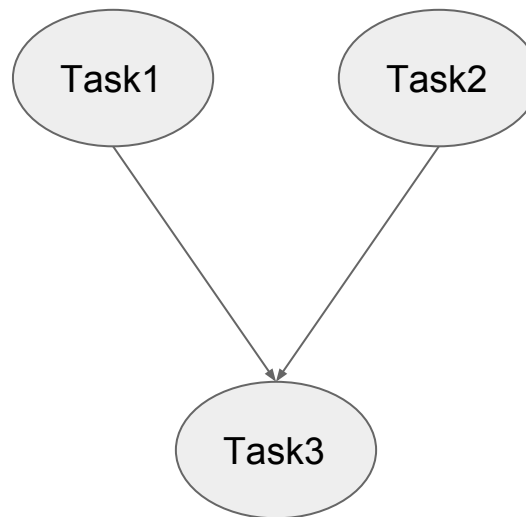


TASKS AND FLOWS



HOW DOES SELINON WORK?

SELINON




OTHER FEATURES



- Fallbacks
- Caches
- Task and flow throttling
- Task and flow prioritization
- Optimization of Dispatcher scheduling
- Tracepoints
- Migrations
- Selective task flows – flow replay
- ...



selinon

Add to Project 

Overview



Applications



Builds



Resources



Storage



Monitoring

Name 

Filter by name

List by

Application 

APPLICATION

selinon

<http://api-selinon.cloud>redhat.com 

DEPLOYMENT

api, #1



1 pod



DEPLOYMENT

worker, #1



2 pods



DEPLOYMENT

worker-dispatcher, #1



2 pods



APPLICATION

selinon-broker

<http://rabbitmq-selinon.cloud>redhat.com 

DEPLOYMENT

rabbitmq, #1



1 pod



APPLICATION

selinon-storages

<http://minio-selinon.cloud>redhat.com 

DEPLOYMENT

minio, #1



1 pod



DEPLOYMENT

redis, #1



1 pod





`https://github.com/selinon/`



`https://github.com/selinon/demo-deployment`