



Dashboard OAR - Task Manager

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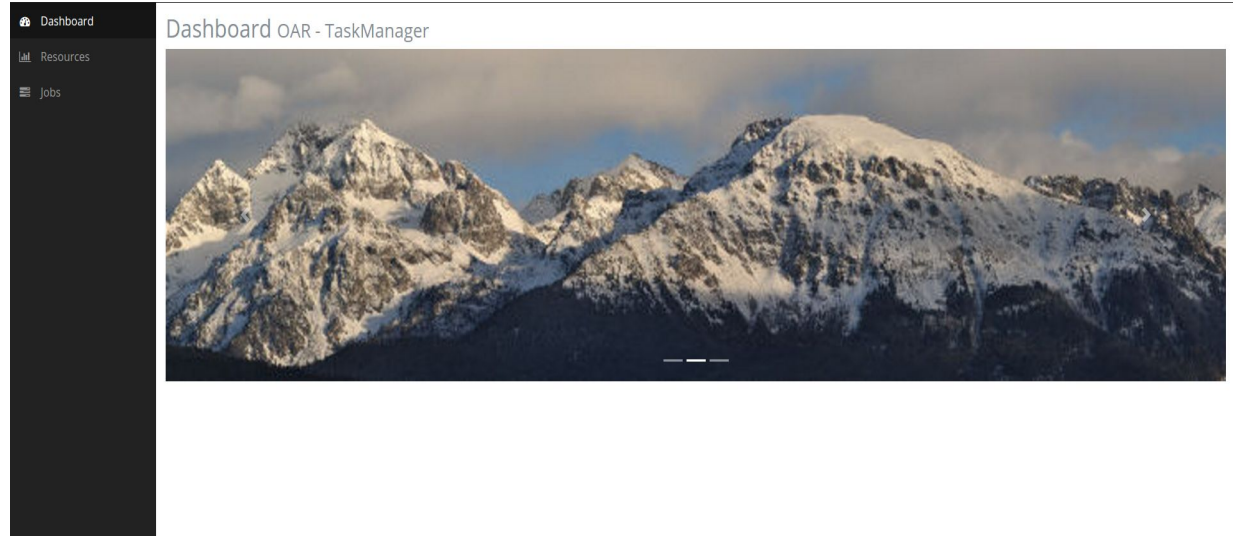
LARNICAL Titouan



INTRODUCTION

- 1 *Context*
- 2 *Technologies*
- 3 *Conception*
- 4 *Conclusion*

Dashboard OAR - Task Manager



CONTEXT

- 1 Context
- 2 Technologies
- 3 Conception
- 4 Conclusion



OAR a resource and task manager for HPC clusters, and other computing infrastructures

```
seklna@seklna-X550CC:~/Documents/Projet/oar-stretch$ oardocker connect frontend
#####
##  ##  #####
##  ##  ##  ##  ##
##  ##  ##  ##  ##
##  ##  ##  ##  ##
##  ##  ##  ##  ##
#####

#####
##  ##  ##  ##  ##
##  ##  ##  ##  ##
##  ##  ##  ##  ##
##  ##  ##  ##  ##
#####

OAR version : 2.5.0+rc5
password : docker

You can, for example, directly:
$ oarsub -I

Or check the API:
$ wget -O - http://localhost:6668/oarapi/resources.yaml

Check the API more deeply, submitting a job as the "docker" user:
$ curl -i -X POST http://docker:docker@localhost:6668/oarapi/priv/jobs.json \
  -H 'Content-Type: application/json' \
  -d '{"resource": "/nodes=1,wallTime=00:10:00", "command": "sleep 600"}'

#####
$ source ~/nix-profile/etc/profile.d/nix.sh
```

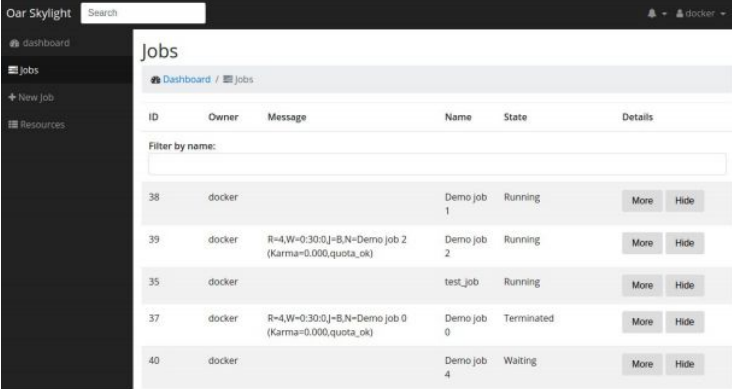
```
seklna@seklna-X550CC:~/Documents/Projet/oar-stretch$ oardocker connect server
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
docker@server ~
$
docker@server ~
$
docker@server ~
$
docker@server ~
$
docker@server ~
$
docker@server ~
$
```

CONTEXT

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Oar SkyLight
Already existing dashboard



ID	Owner	Message	Name	State	Details
38	docker		Demo job 1	Running	More Hide
39	docker	R=4,W=0.30:0,j=B,N=Demo job 2 (Karma=0.000,quota_ok)	Demo job 2	Running	More Hide
35	docker		test_job	Running	More Hide
37	docker	R=4,W=0.30:0,j=B,N=Demo job 0 (Karma=0.000,quota_ok)	Demo job 0	Terminated	More Hide
40	docker		Demo job 4	Waiting	More Hide

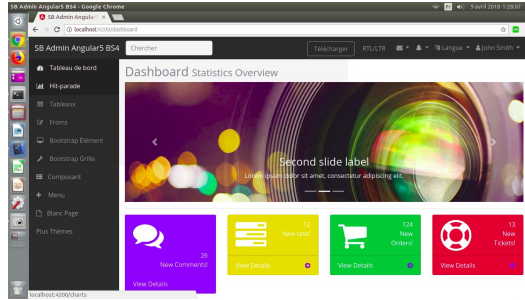


ANGULAR 5

TECHNOLOGIES

- 1 *Context*
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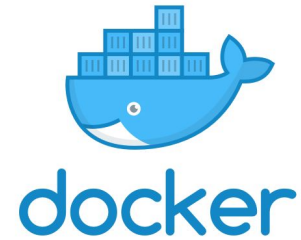
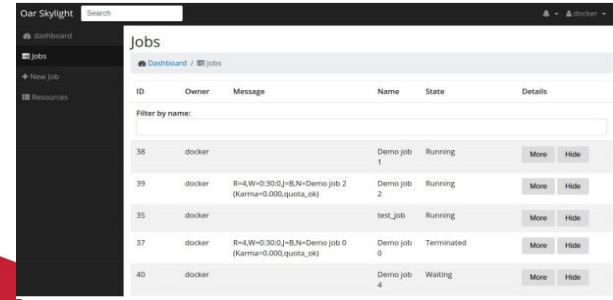
SB-Admin-BS4-Angular-5



ANGULAR 5

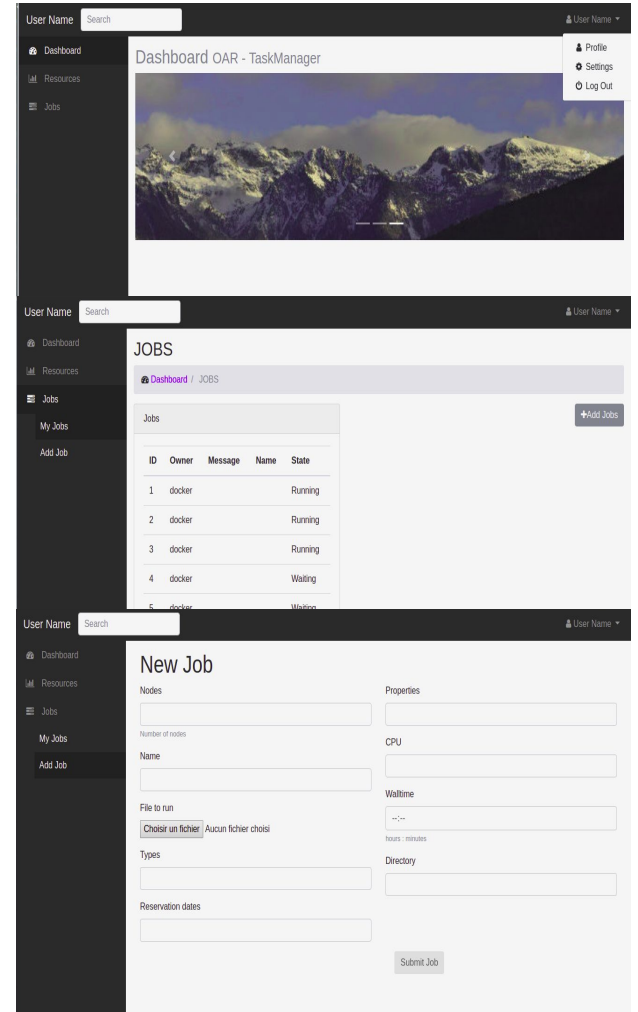
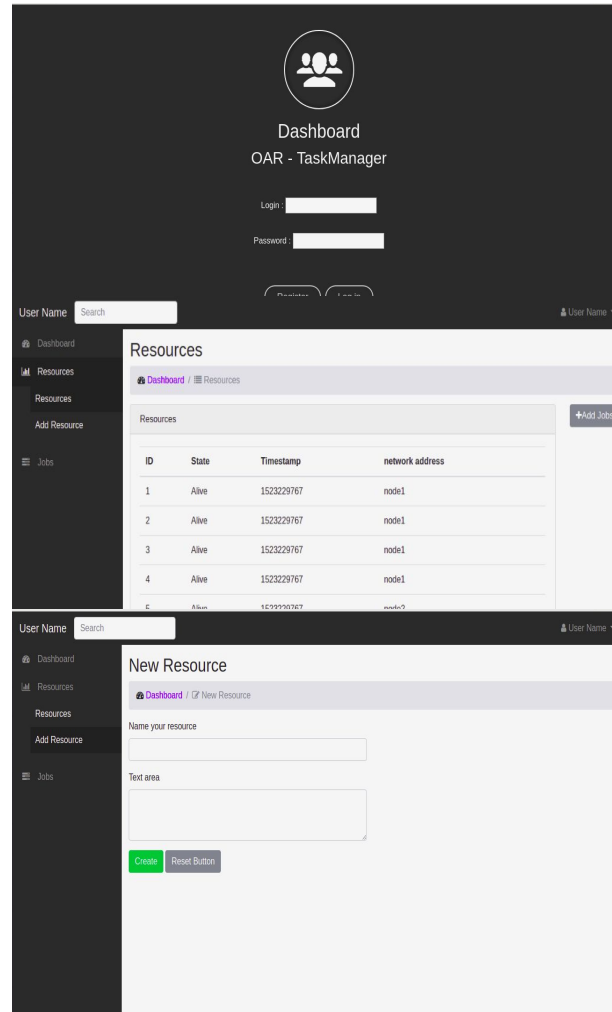


Oar SkyLight



CONCEPTION

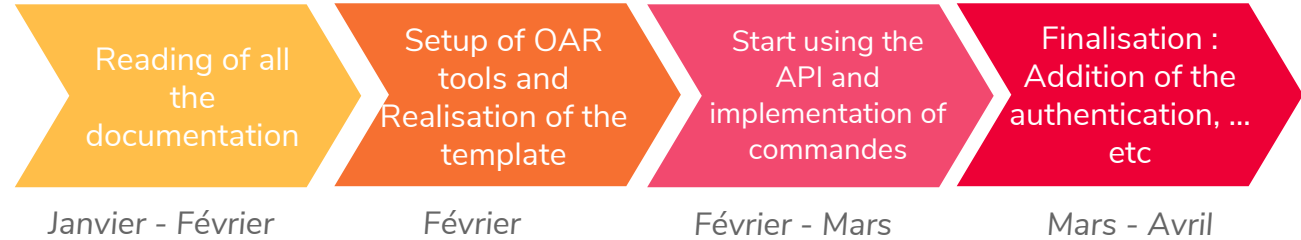
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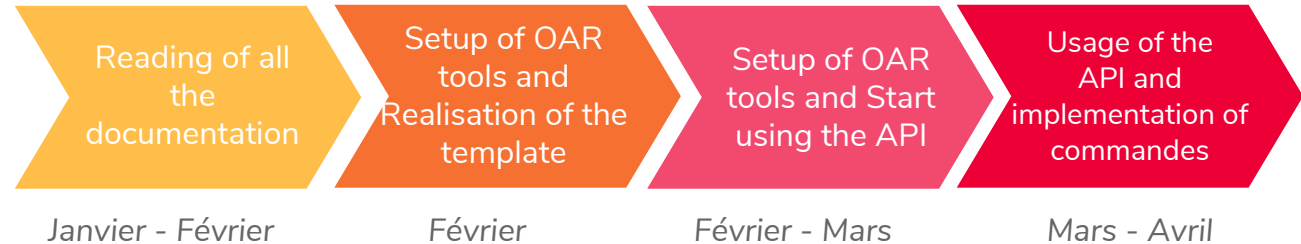
CONCEPTION

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Prevision

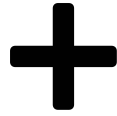


Progress



CONCLUSION

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- Reinforcement in Angular 5.



ANGULAR 5

- Usage of docker



docker

- Challenge:
Complex developing environment (docker, API)



- Developing environment too complex ?
- Complicated set-up
- Very few coding moment because of the difficulties encountered
- Tendency to not ask for help at the beginning



QUESTIONS



DEMONSTRATION