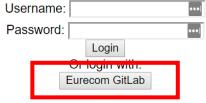
SparkSQL lab

Zoe login

- https://cloud-platform.eurecom.fr/zoe/login
- Click on EURECOM gitlab and login with EURECOM creds

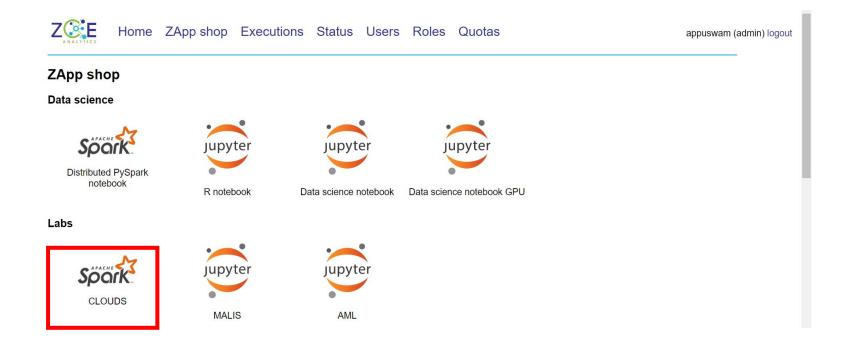




Zoe Analytics v. 2018.12 — Give us some feedback! — © Copyright 2017 by DSG

Clouds ZApp

Click on Zapp Shop option and click on CLOUDS



Spark cluster

Leave default options and click on "Start"



Launch Jupyter

- Wait until "status" turns to running from queued
- Click "Jupyter Notebook interface" (internal link in EURECOM)
 - You can get to Spark master web i/f later from here

Detailed information for execution clouds (86711)

Application name: clouds

Owner: appuswam

• Time submitted: 11/13/2019, 9:28:50 PM

Time started: 11/13/2019, 9:28:54 PM

. Time finished: not yet

Status: running

• Will be killed at: 11/20/2019, 9:28:50 PM

Actions: TerminateResource usage plots

Endpoints

Jupyter Notebook interface (internal link)

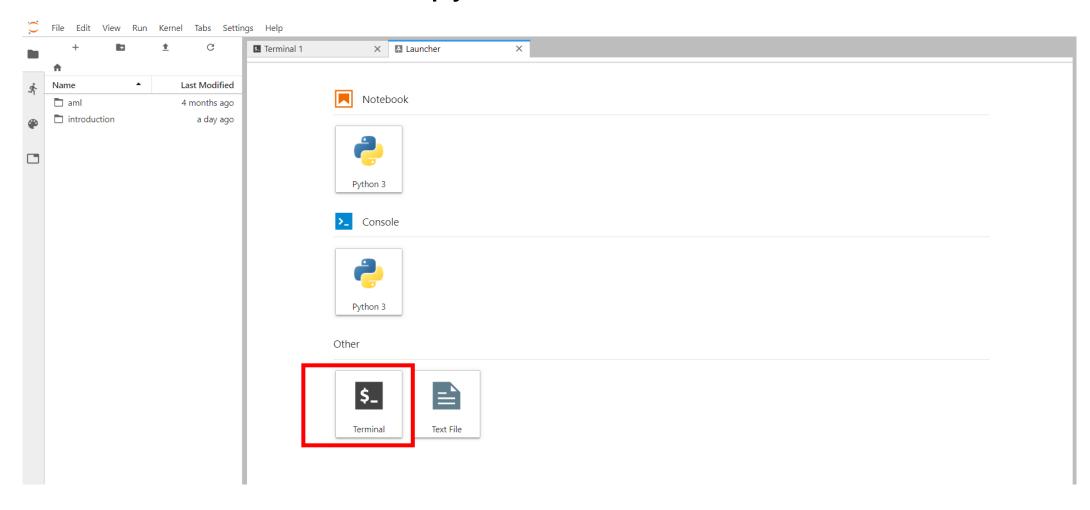
• Spark master web interface (http://192.168.47.8:34496/)

Services:

ID	Name	Zoe status	Backend status	Host	Labels	Output logs	Errors
93953	spark-master0	active	started	bf8	labs	open	None
93956	spark-jupyter0	active	started	bf16	labs	open	None
93954	spark-worker0	active	started	bf20	labs	open	None
93955	spark-worker1	active	started	bf22	labs	open	None

Launch terminal

Click on "Terminal" in Jupyter launcher



Clone and launch notebook

- Clone git repository that contains first lab
 - "git clone https://github.com/EURECOM-CLOUDS-COURSE/SparkSQL.git" in the terminal
- You should see directory "SparkSQL" appear. Double click to enter the directory.
- Double click on file "SPARKSQL.ipynb" within directory to open up the notebook

Admin (same as before)

- For labs based on Zoe
 - Remote work possible: Zoe, notebooks accessible outside EURECOM
 - Its ok if you can't answer some questions due to UI access issues
 - Spark admin UI accessible only in EURECOM network
- If spark terminates with error "Termination reason: Essential service sparkjupyter0 died"
 - Email me (<u>raja.appuswamy@eurecom.fr</u>) to inform me and give me your UNIX username
- Submission deadline: 3 weeks (28 December)
- To submit
 - Download the completed ipython notebook
 - Rename notebook as: "yourname-spark-lab.ipynb"
 - Upload the file to moodle