

# Exercise Guide CLO 2020

VirtualBox VM: <https://oxclo.s3-eu-west-1.amazonaws.com/oxclo2020.ova>

For the Ubuntu VM username and password : **oxclo/oxclo**

**AWS login link:**

<https://ox-clo.signin.aws.amazon.com/console>

**AWS login: oxcloXX / oxcloXX** (change password first time).

**Exercises:** <https://freo.me/oxclo-exercises>

| Exercise | Description                                    |
|----------|--|
| 1        | Getting Started with Amazon AWS / EC2          |
| 2        | Scaling an app in EC2. Userdata.               |
| 3        | Elastic load-balancing in AWS                  |
| 4        | Simple Docker<br>Docker-machine                |
| 5        | Python, Pandas, Matplotlib                     |
| 6        | Apache Spark and Python<br>Word Count          |
| 7        | Apache Spark on EC2, flintrock, Jupyter on EC2 |
| 8        | More Spark!                                    |
| 9        | Even More Spark!                               |
| 10       | Basic Cassandra, Importing data via Spark      |
| 11       | Understanding CQL                              |
| 12       | Clustering k-means                             |
| 13       | Stream Processing / Kappa                      |