# Cloud Computing SS2017 - Assignment 1

**Group 32**

* Filippo Boiani - 387680
* Piotr Mrówczyński - 387521
* Riccardo Sibani - 382708
* Stefan Stojkovski - 387529
* Gabriel Vilén – 387555

## 1. Cloud Benchmark

## 2. Introducing Heat

**General intro:**

https://docs.openstack.org/developer/heat/template\_guide/index.html

**To install HEAT CLI:**

$sudo pip install python-heatclient

$To check installation:

$openstack stack list

**Instantiate a Heat stack using the server.yml template**

$openstack stack create --template server.yml --parameter "name=VM2;key\_pair=stefan-key;flavor=610f44b0-d25a-44bc-a6b1-8b22e68675e5;image=ubuntu-16.04;network=cc17-net;zone=Cloud Computing 2017;security\_groups=default" MYSTACK

$openstack stack list

$openstack stack show MYSTACK

**Test the created VM by assigning a floating IP to it, connecting to it via SSH and testing its internet connectivity.**

$openstack server list

$openstack floating ip list

$openstack server add floating ip VM2 10.200.1.164

$ssh -i cloud.key ubuntu@10.200.1.164

$ping audi.de

$exit

**Delete the instantiated stack and check that the VM has been deleted**.

$openstack stack delete MYSTACK

$openstack stack list

## 3. Advanced Heat Templates

## 4. Appendix