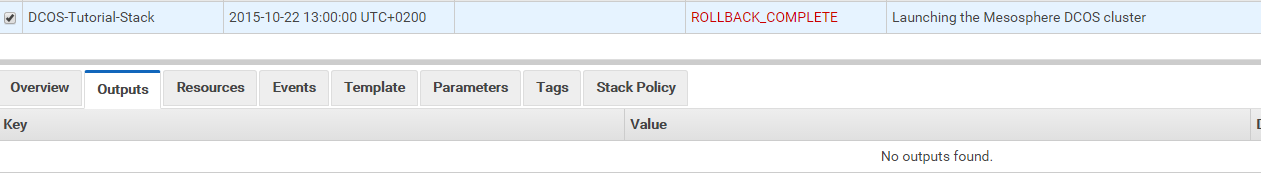
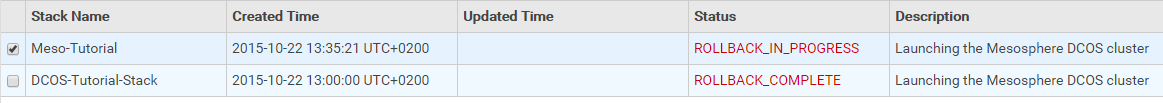
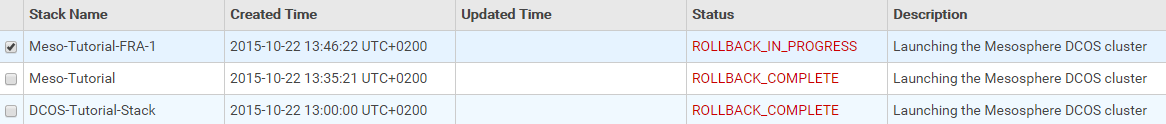
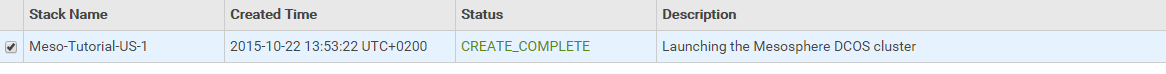
# Findings

* Tutorial Setup (AWS Script) 🡪 2327 Lines

## Frankfurt geht nicht, US-1 geht:

* 1st try to setup AWS: Failed   
    
  🡪 Why? Where can I find the reason?  
  🡪 No Output…  
  
* 2nd try also failed (after updating credit card information):  
    
  🡪 Eventually missing services in Frankfurt?   
  🡪 did I check 🡪  
  🡪 try again making sure above is checked…
* Europe not really not working:  
  🡪 try US-west-1 next…
* US-1 klappt:  
  
* [**Outputs**](https://console.aws.amazon.com/cloudformation/home?region=us-west-1)

| **Key** | **Value** | **Description** |
| --- | --- | --- |
| DnsAddress | Meso-Tuto-ElasticL-P7B6N0QCBLUS-554225263.us-west-1.elb.amazonaws.com | Mesos Master |
| PublicSlaveDnsAddress | Meso-Tuto-PublicSl-1DV84PC49RTNI-193387908.us-west-1.elb.amazonaws.com | Public slaves |

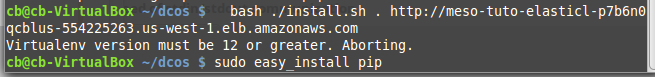
Master: Meso-Tuto-ElasticL-P7B6N0QCBLUS-554225263.us-west-1.elb.amazonaws.com

## Security ;-(

No password was asked to manage dcos:

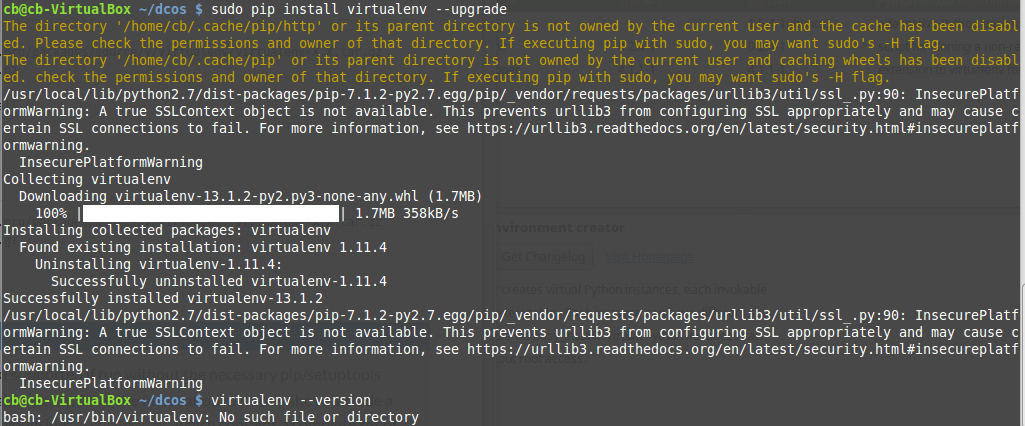
<http://meso-tuto-elasticl-p7b6n0qcblus-554225263.us-west-1.elb.amazonaws.com/#/services/>

## Setup not as smooth as expected under Unix

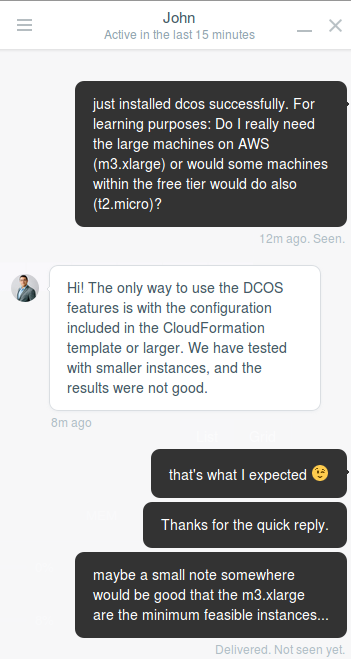




pip install virtualenv



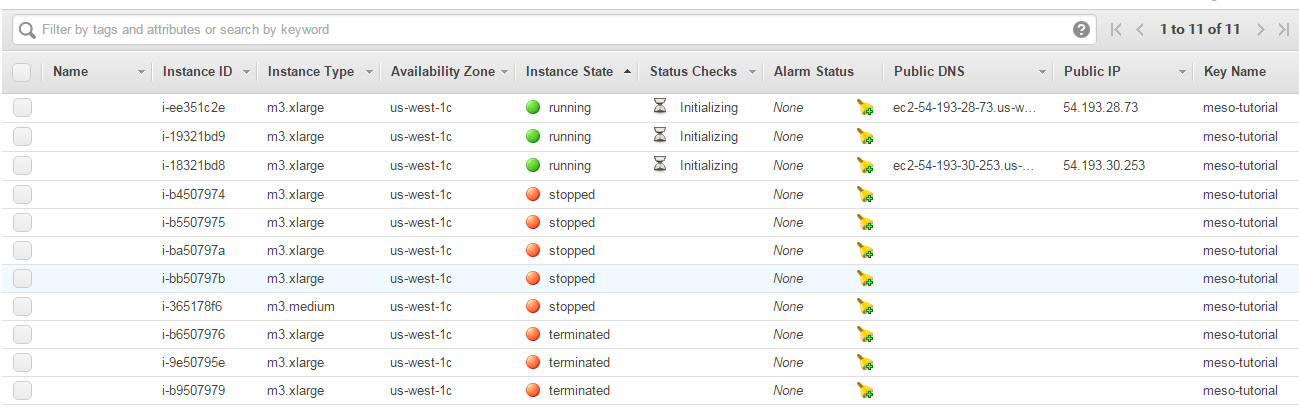
## Chat Support pretty good, but large instances are required.



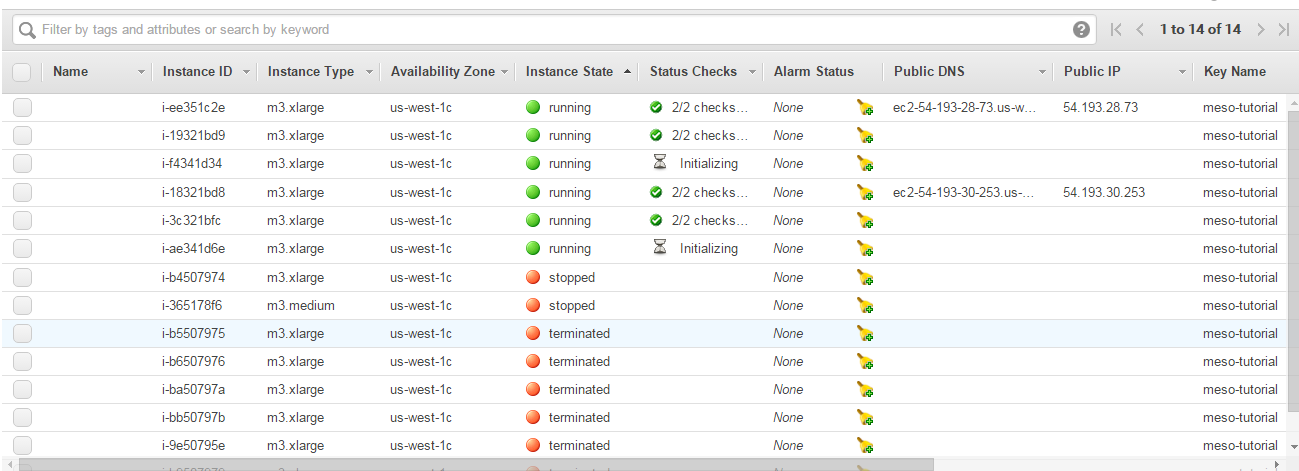
## After stopping instances, they seem to be terminated

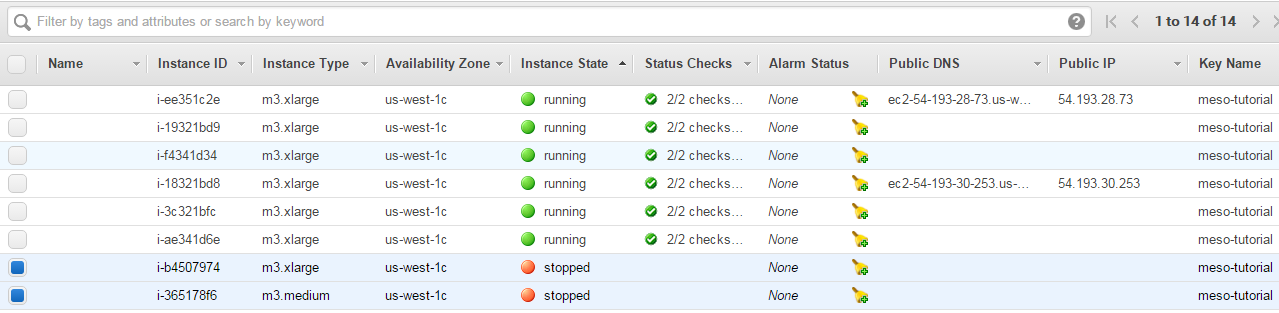
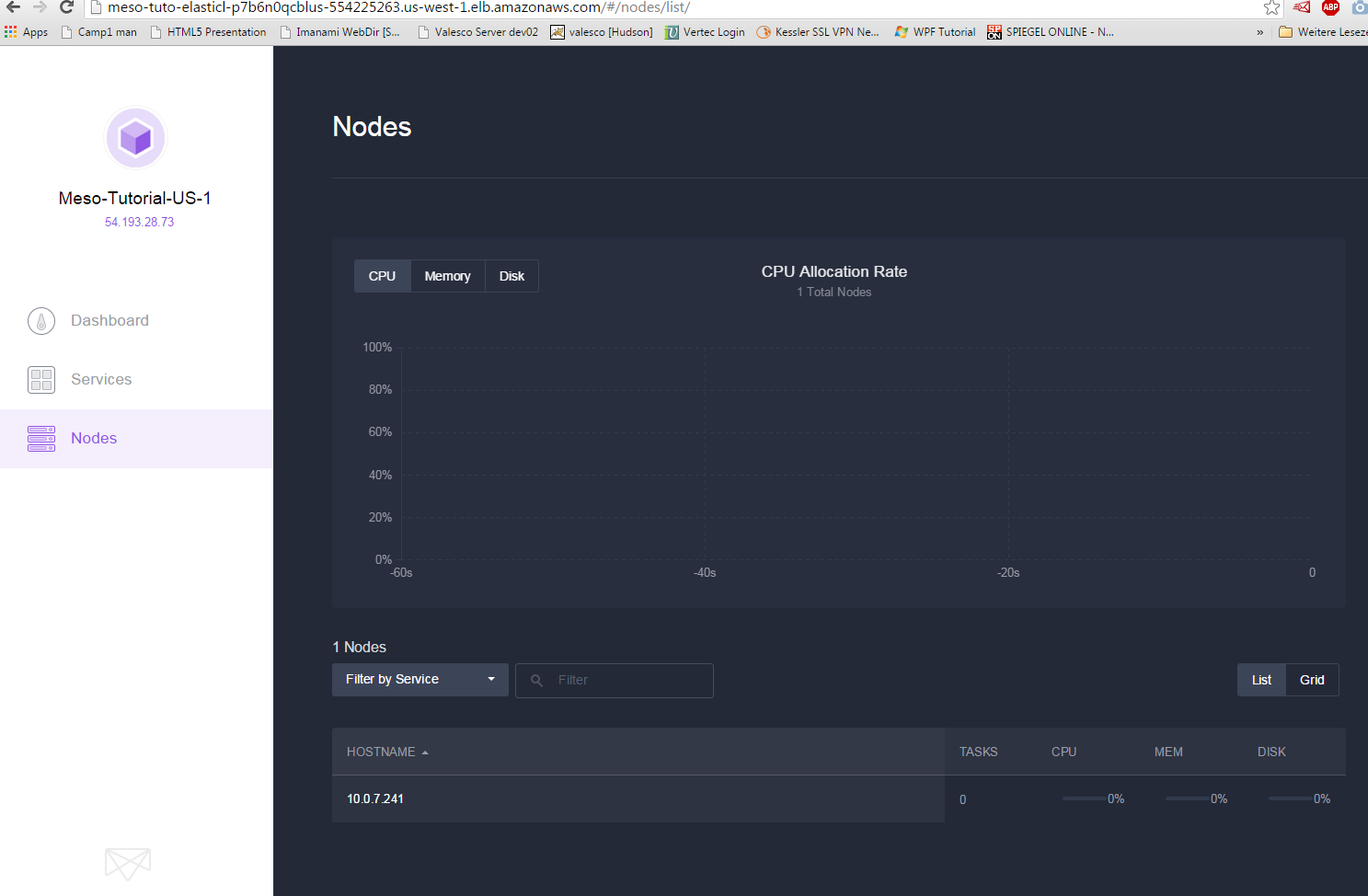
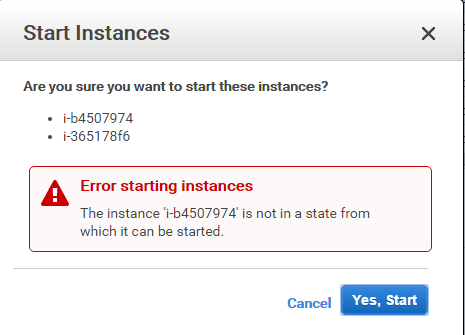
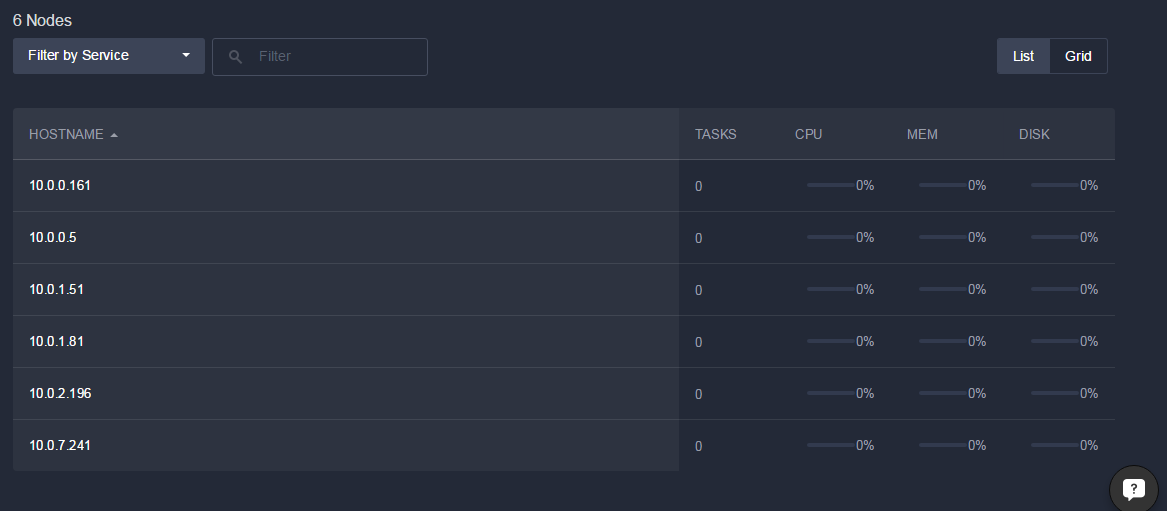
History:

* Stop all 8 instances
* Click in “Launch instance”
* Go back (as I would likely create new instances)



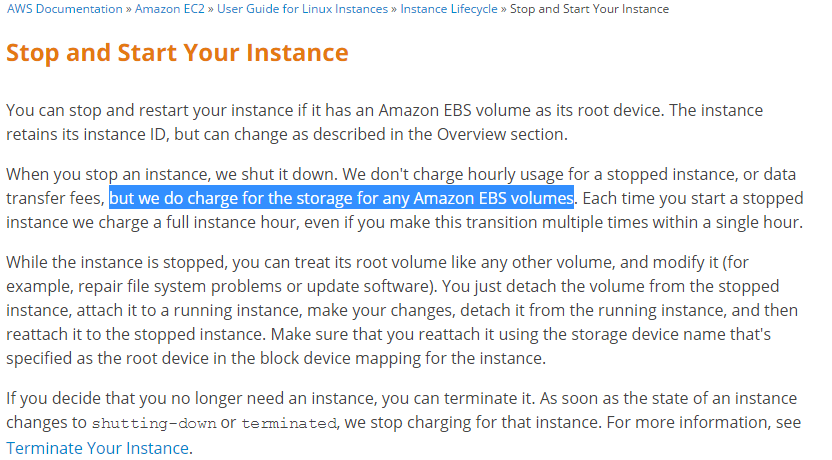
Startup takes several minutes…



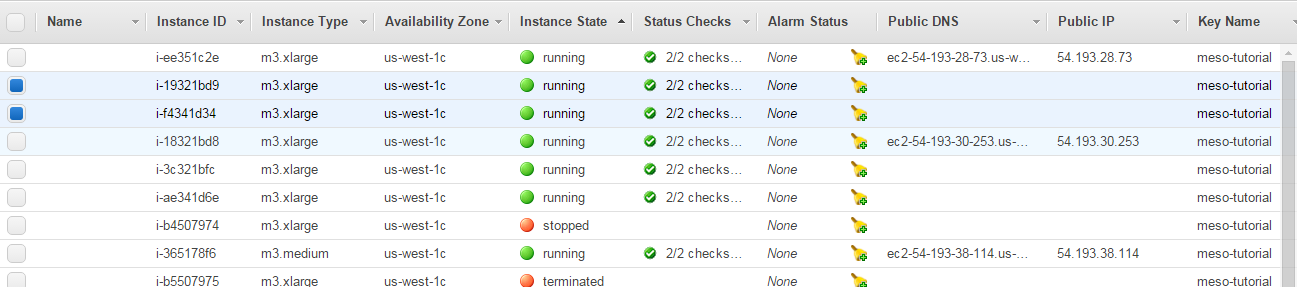
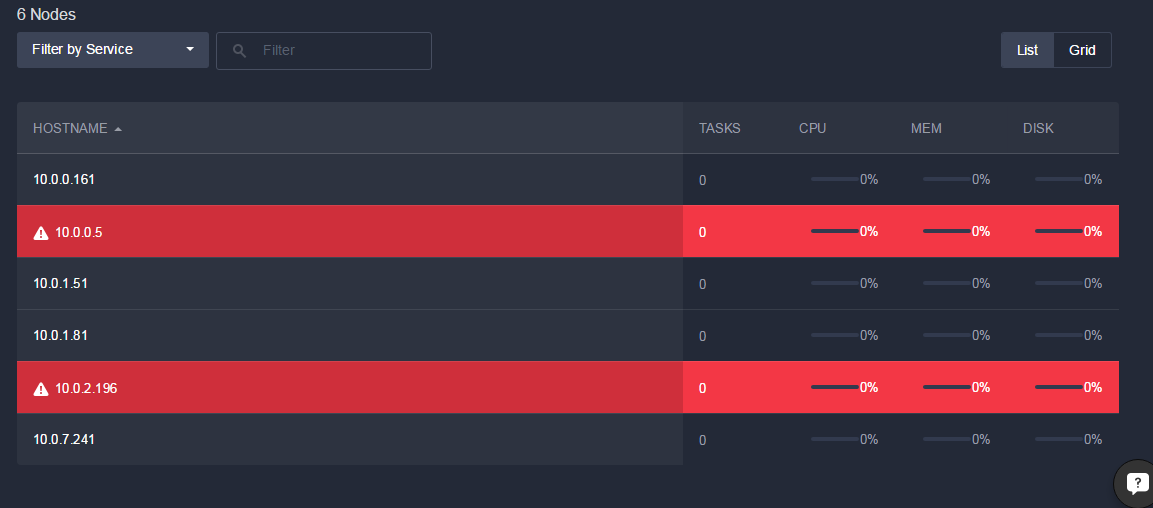
* All apps are gone…
* Interesting: Two node did not start automatically (forgotten to check?)  
    
  🡪 but dcos dashboard is there with 1 node only (instead of 5 nodes as it was before):  
    
    
  🡪 let’s start the two offline nodes manually…  
    
  🡪 only this one succeeded: i-365178f6
* After start of , all 6 nodes were visible again:  
  
* But still no apps…

### Stop/Start need EBS backed root volume

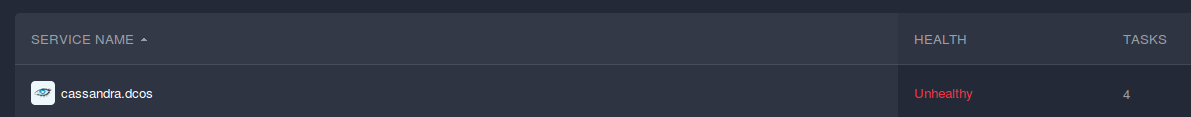
<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Stop_Start.html>



### Stop 2 slave nodes in AWS frontend

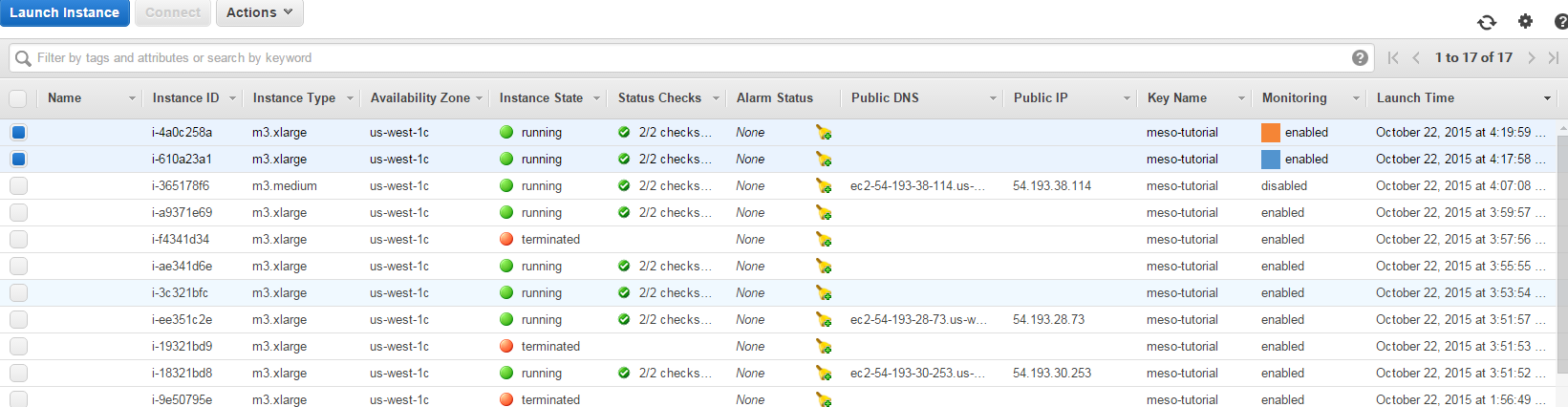
* Stop 2 nodes (likely slave workers as no DNS entry)  
    
  

### Install everything again 🡪 Cassandra unhealthy

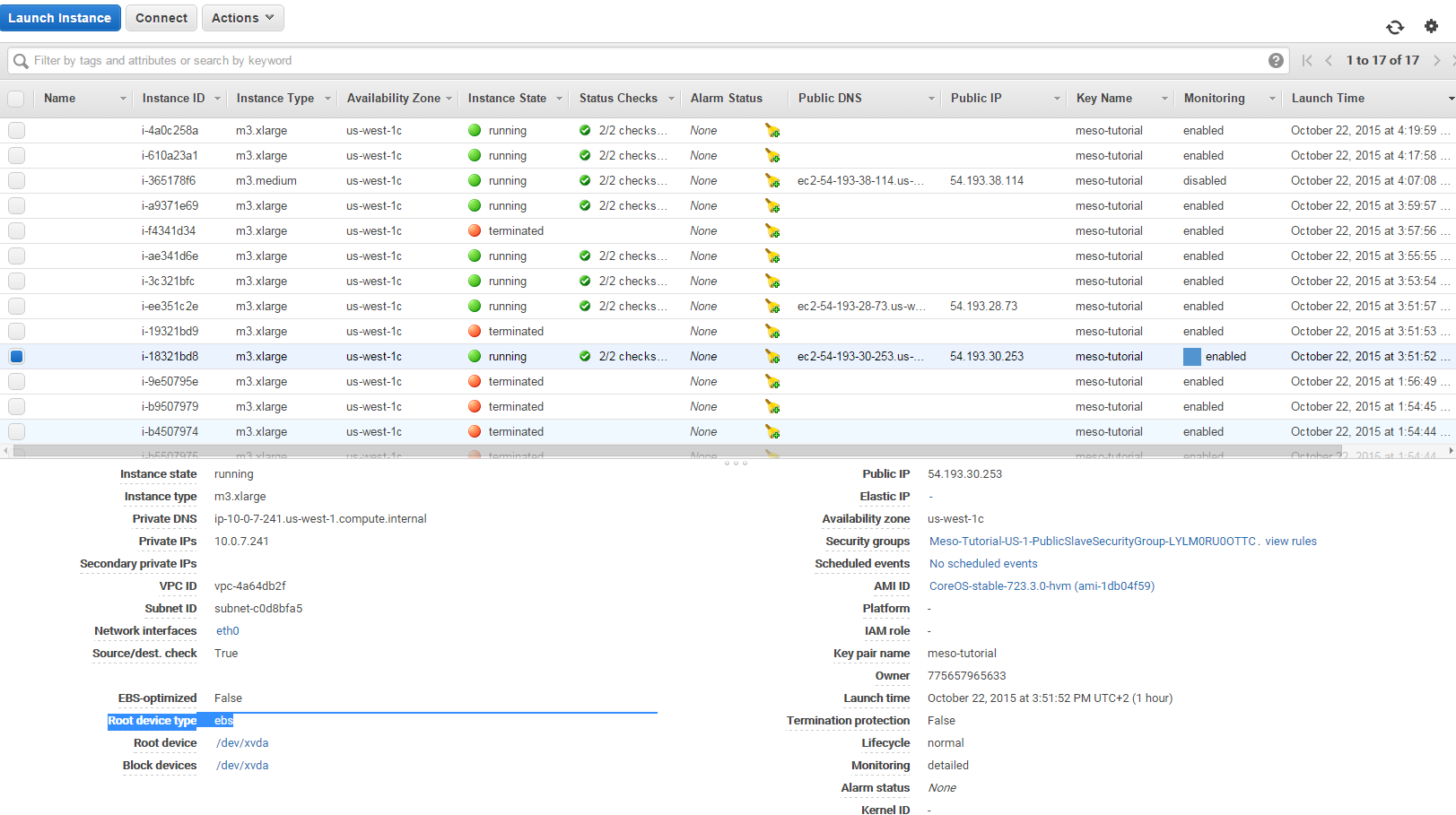
  
🡪 Why?  
🡪After some minutes 🡪 Healthy ;-)

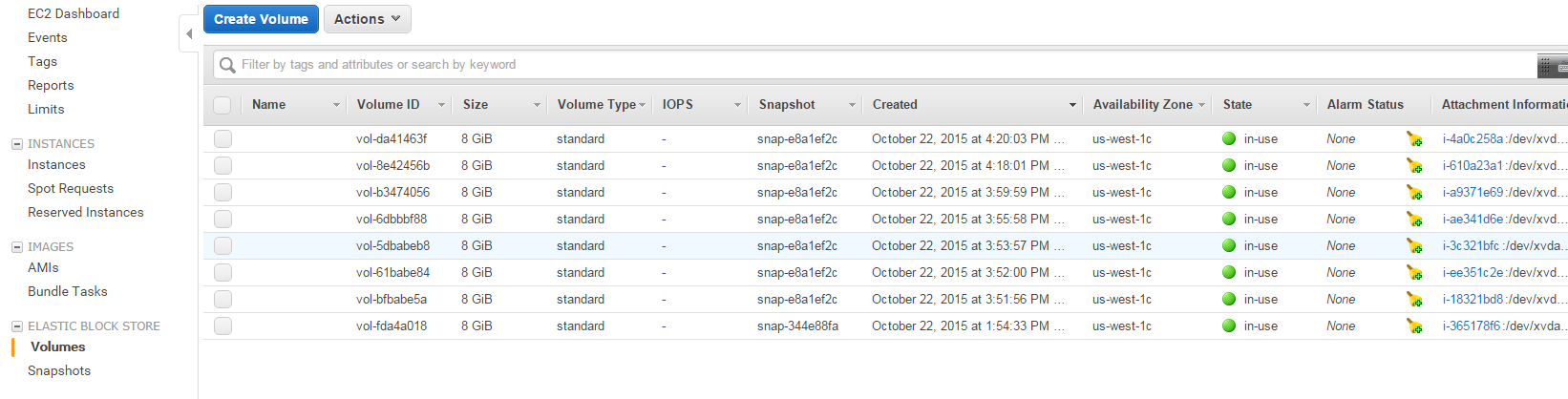
### DCOS seems to create nodes automatically in AWS

After stopping 2 nodes and without clicking or typing anything, 8 nodes are present again…

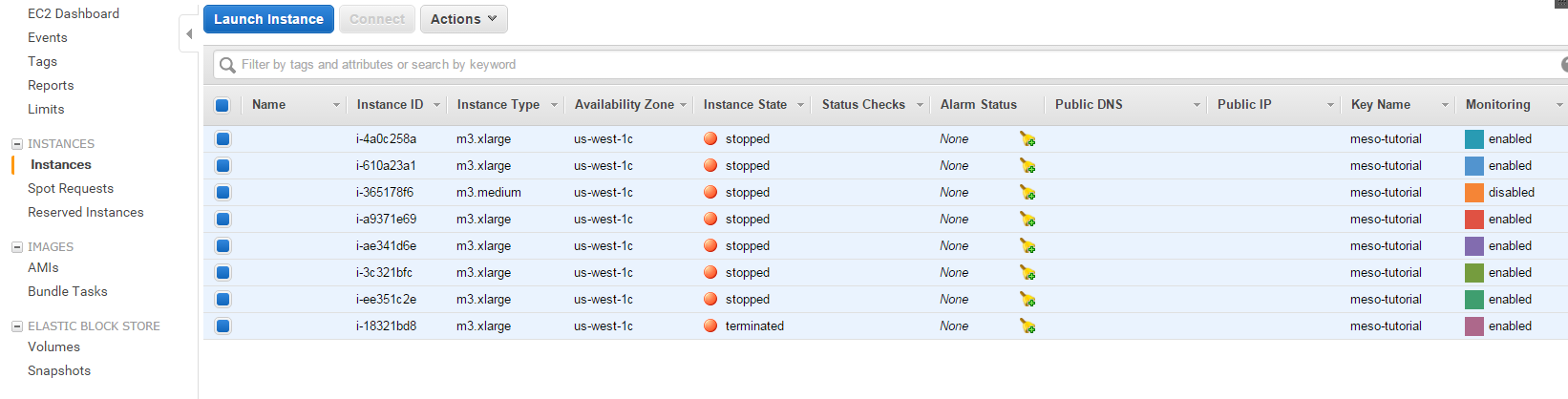


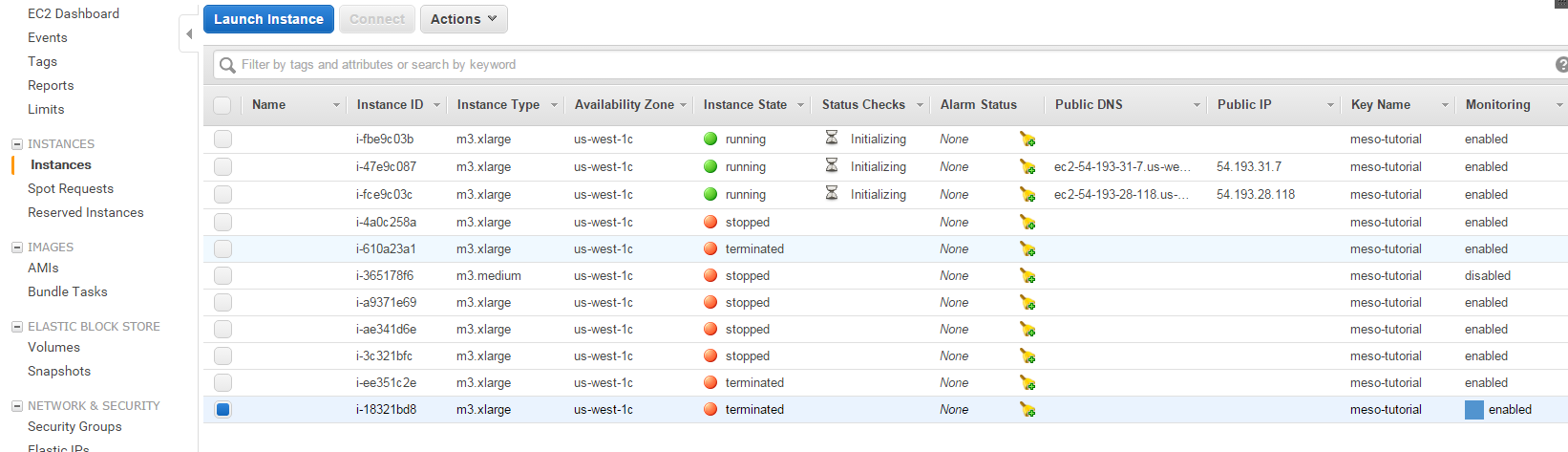
### In theory we should have EBS storage in use:



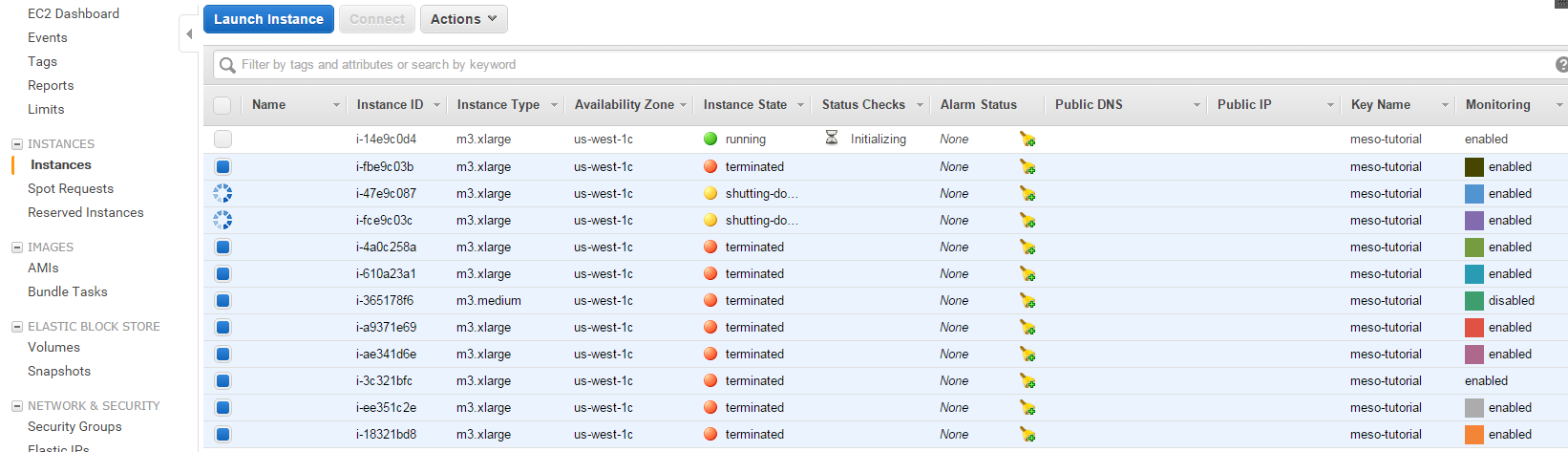
* Root device type is “ebs” for all instances!
* To be found as “Volumes” in EC2 dashboard:  
  

### Stop in AWS terminates (again)



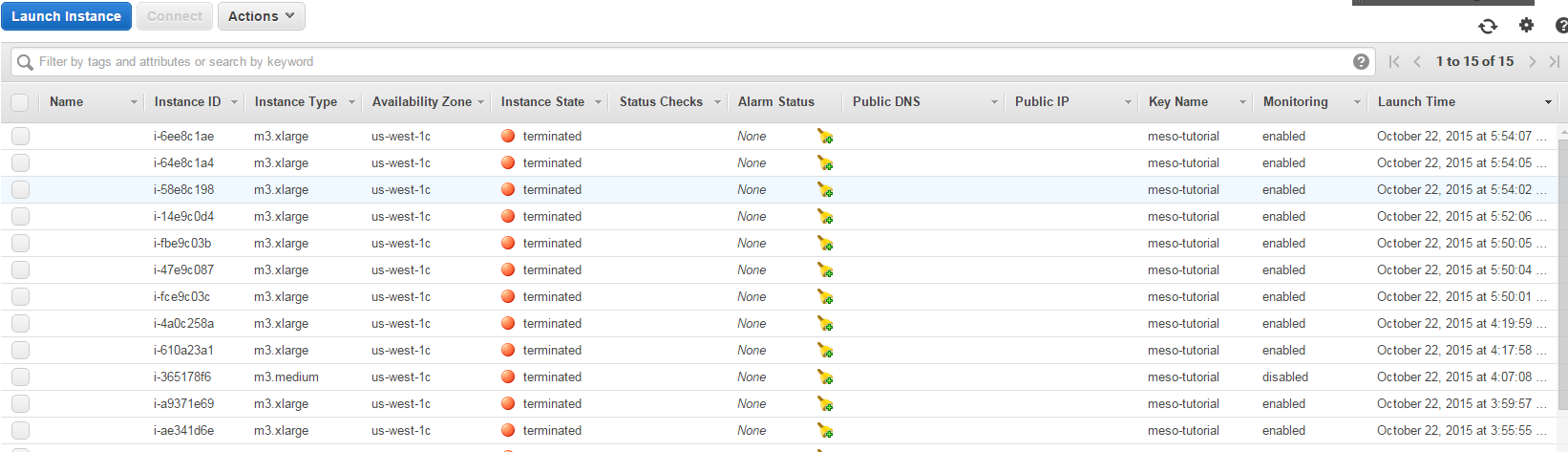
… and restarts automatically new instances!!!  


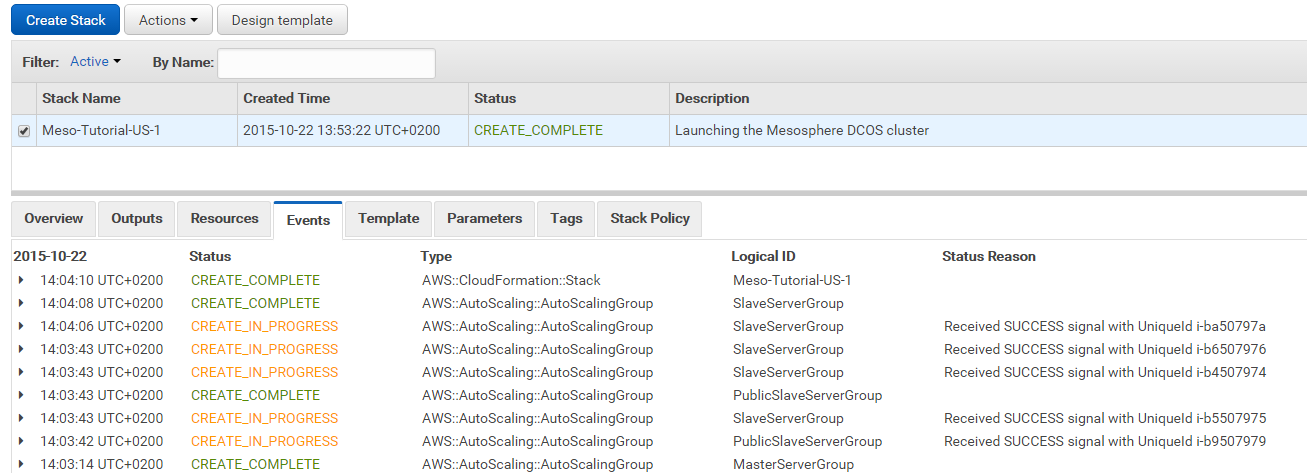
… even terminating all does not help



… terminate does not help!

Try delete keypair….



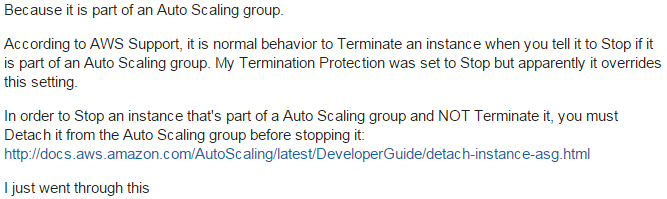
* Only thing working
* And it likely was not the “Cloud Formation” thing (no events at 5pm)  
  

### Found answers in stackoverflow



See <http://stackoverflow.com/questions/31848810/mesososphere-dcos-cluster-on-aws-ec2-instances-are-terminated-and-again-restart>

Maybe the autoscaling group is the answer:

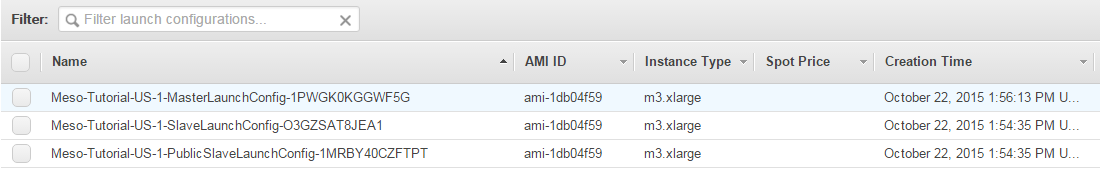


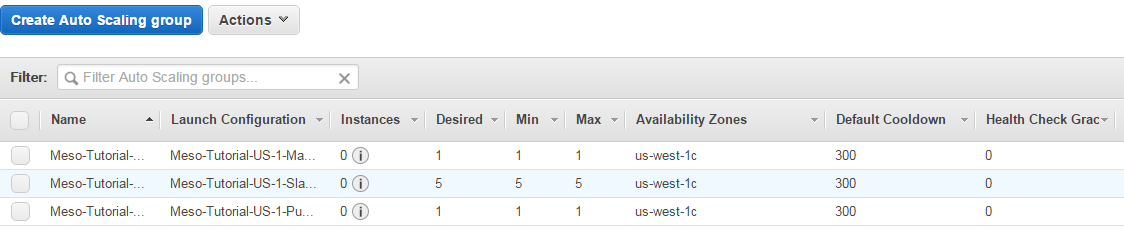
see: <http://stackoverflow.com/questions/19194893/why-does-my-aws-ec2-instance-terminates-when-stopped>

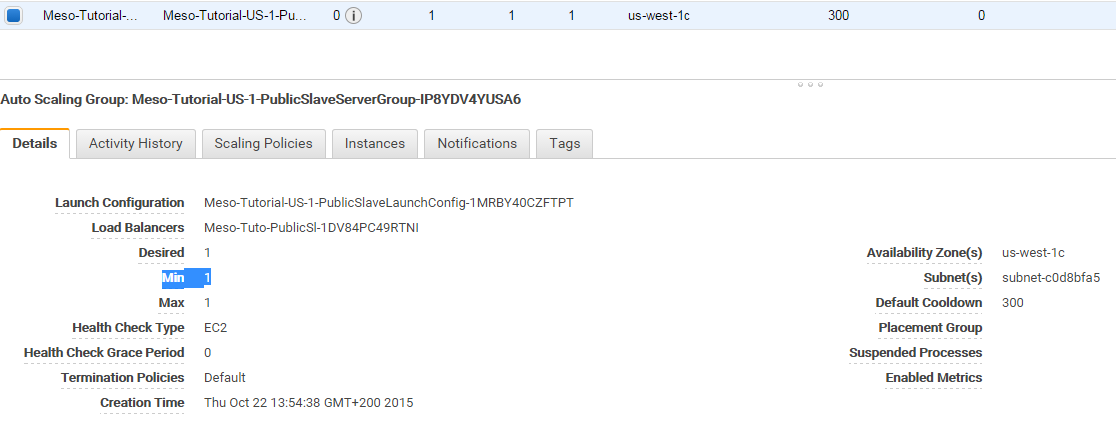
Detach instances from autoscaling group:

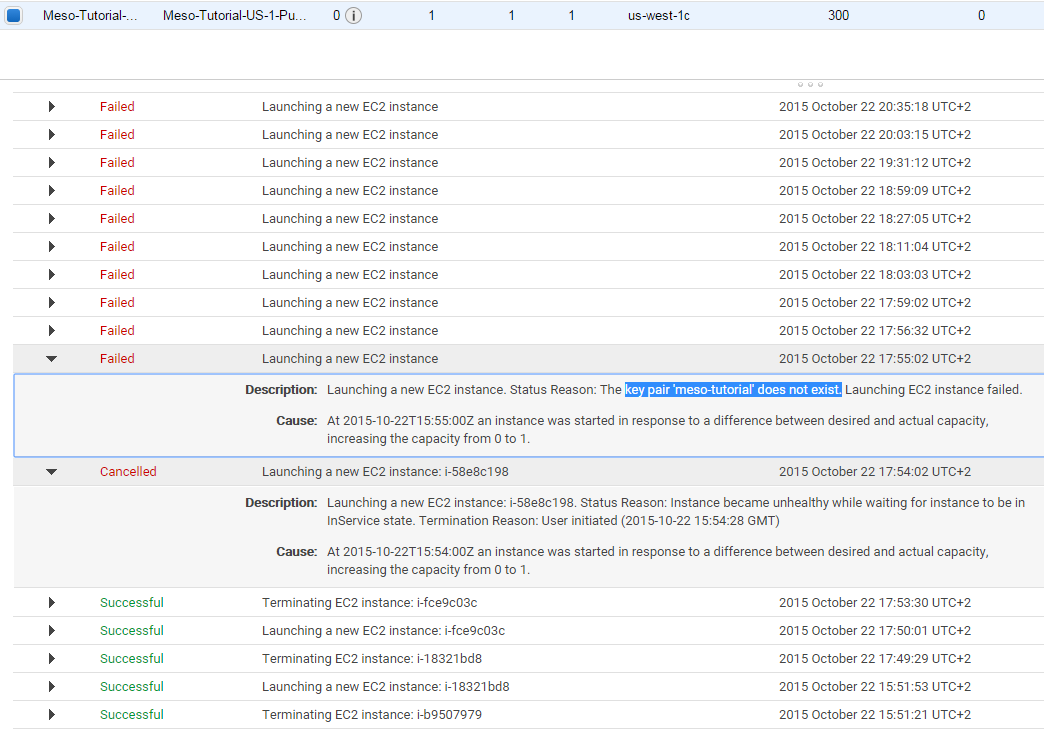
<http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/detach-instance-asg.html>

* Yes. This is the reason: The setup created autoscaling groups!



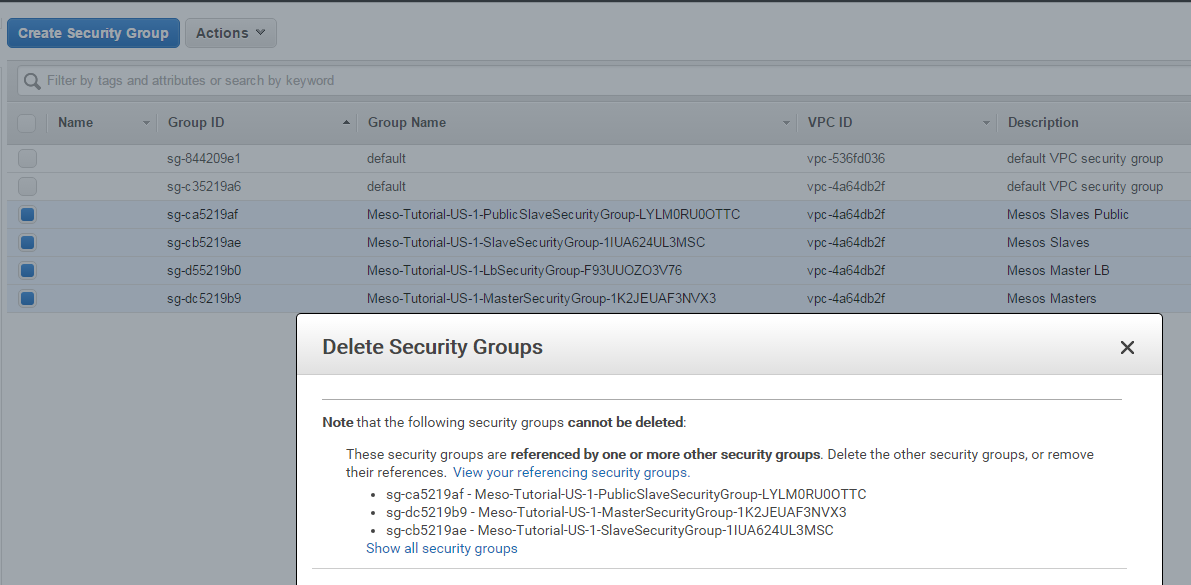




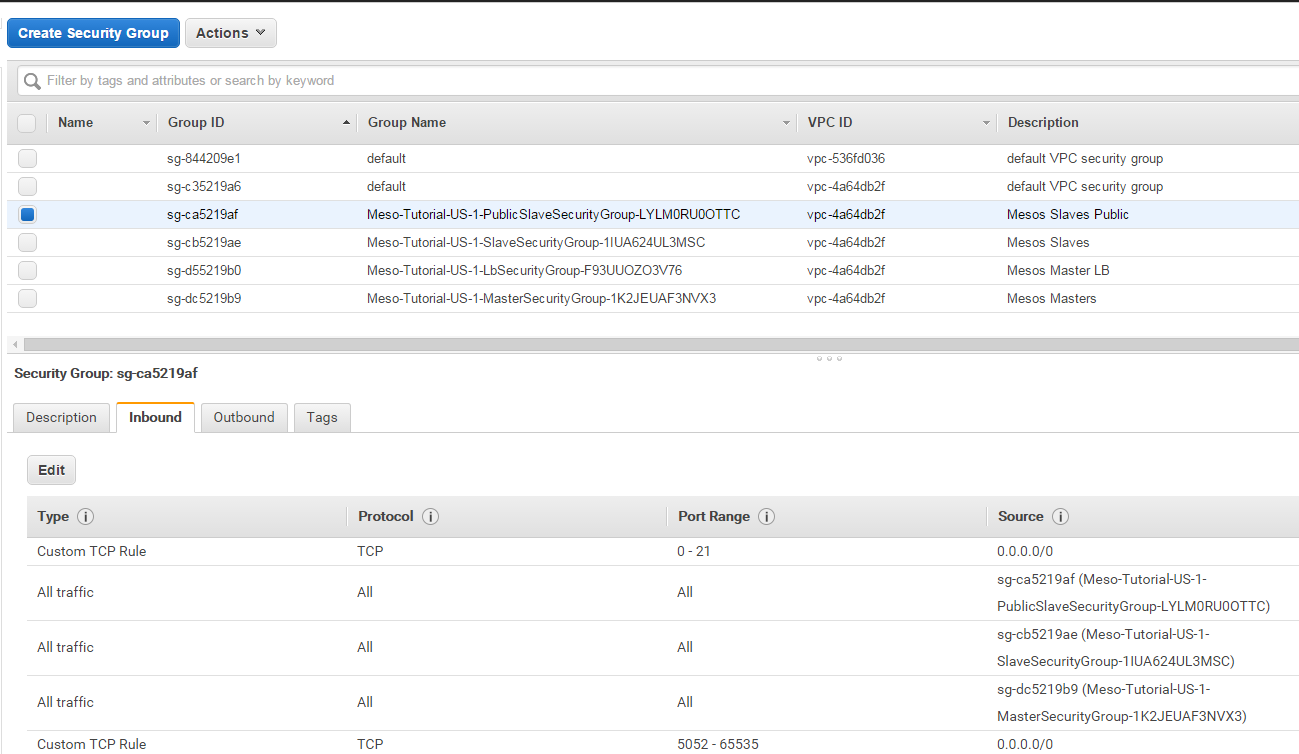


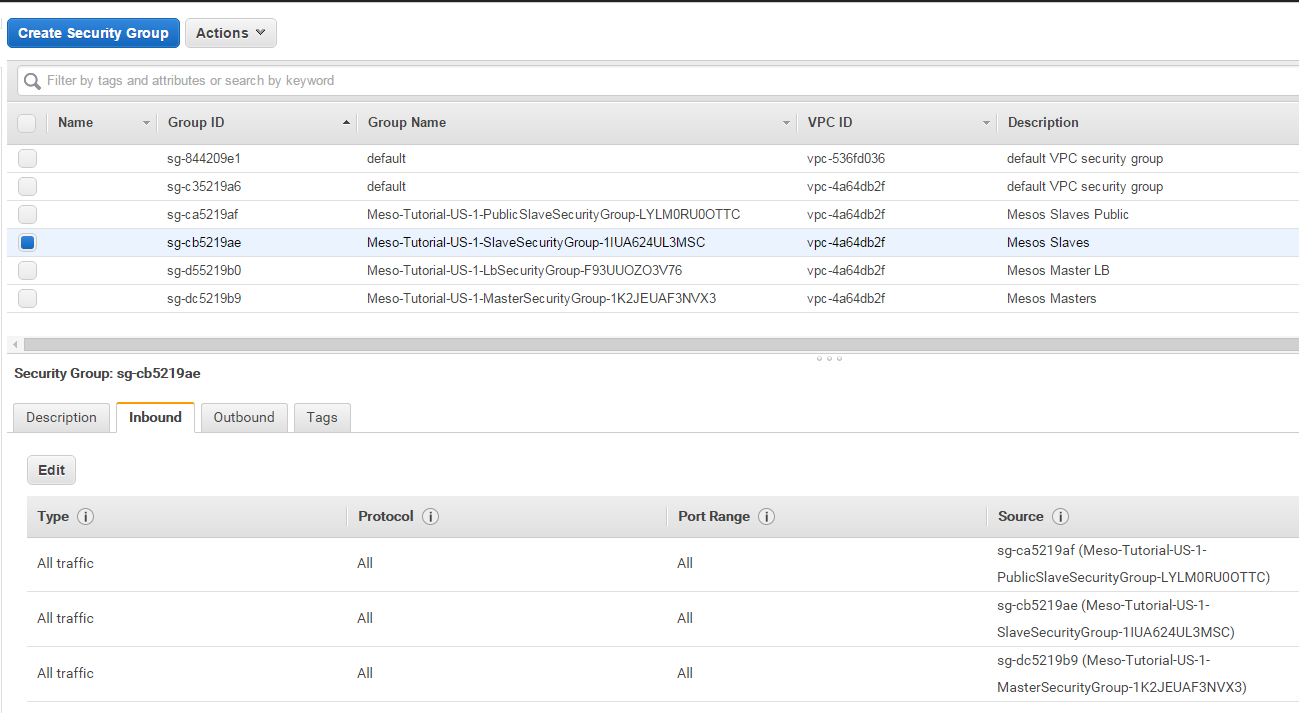
## Circular depencies between security groups

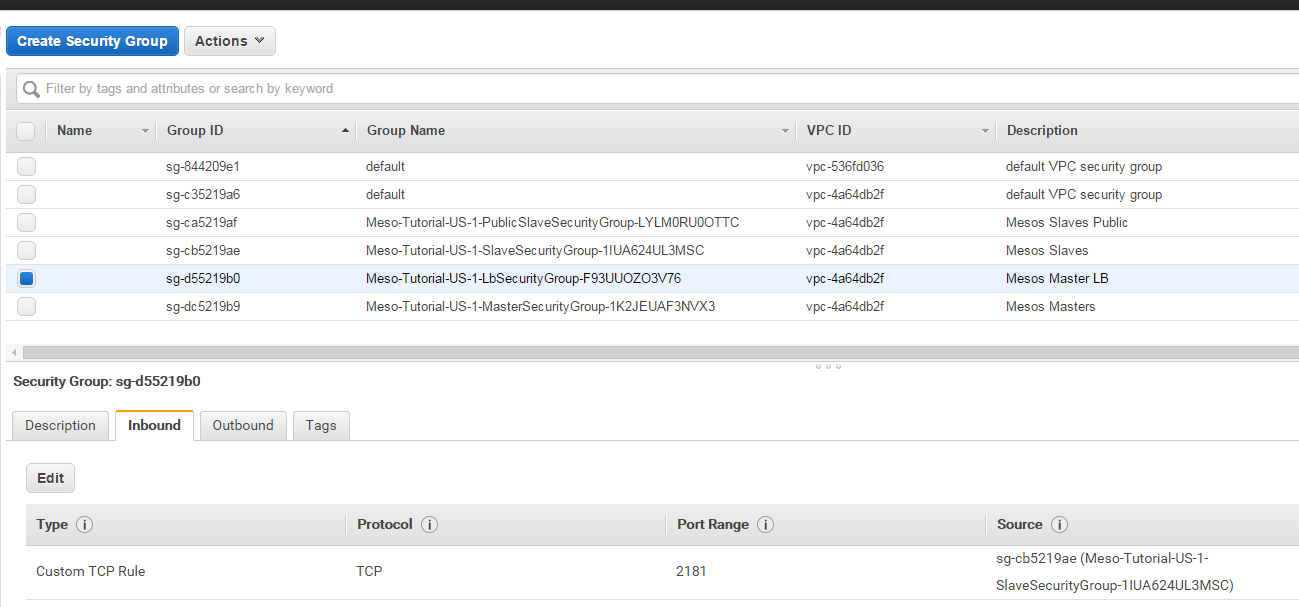
… make it pretty hard to delete them.

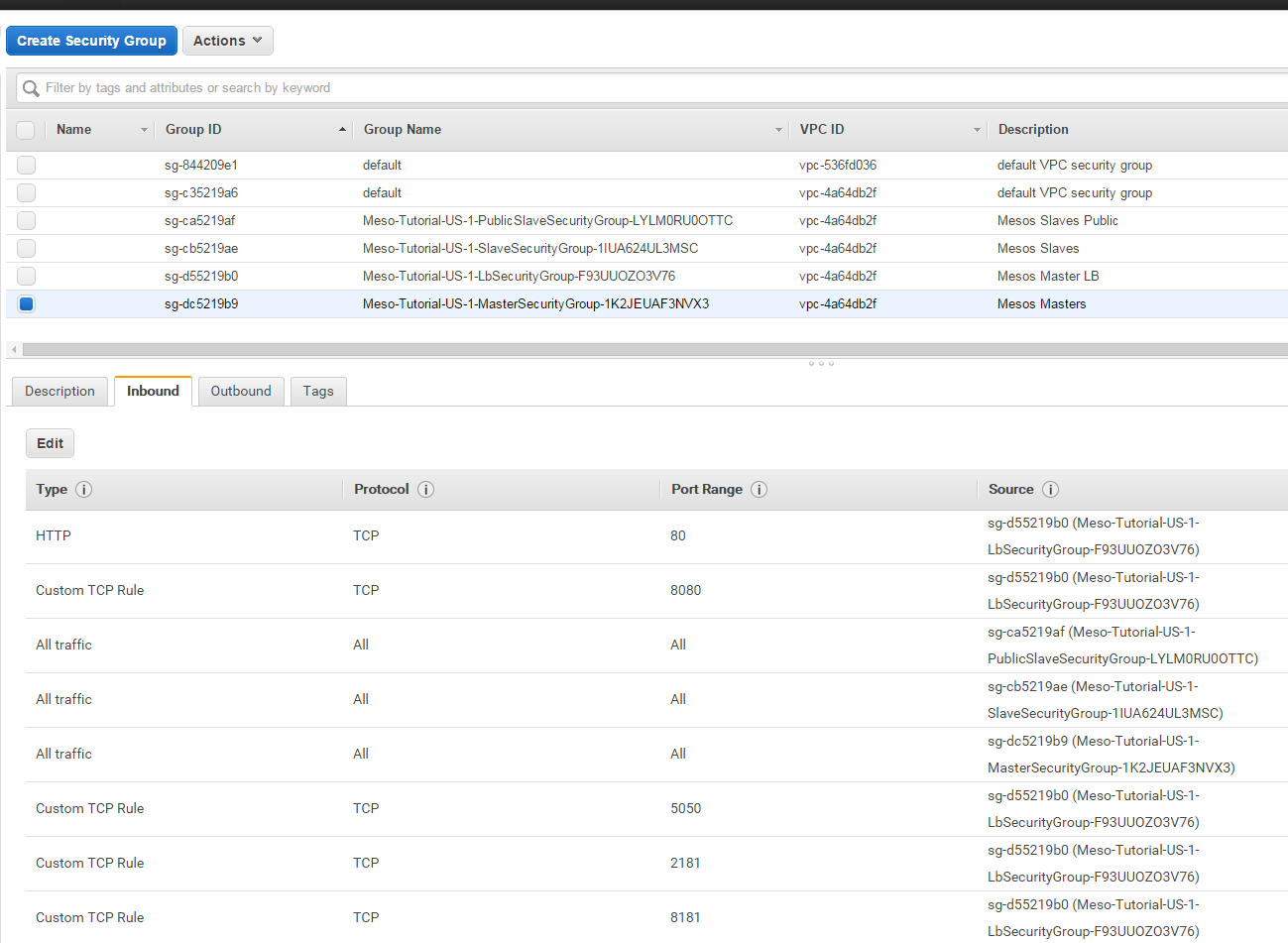


References:









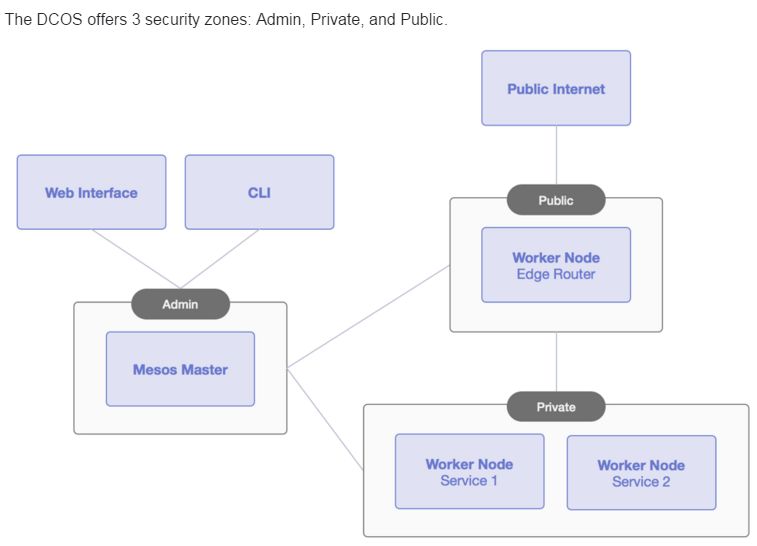
Master

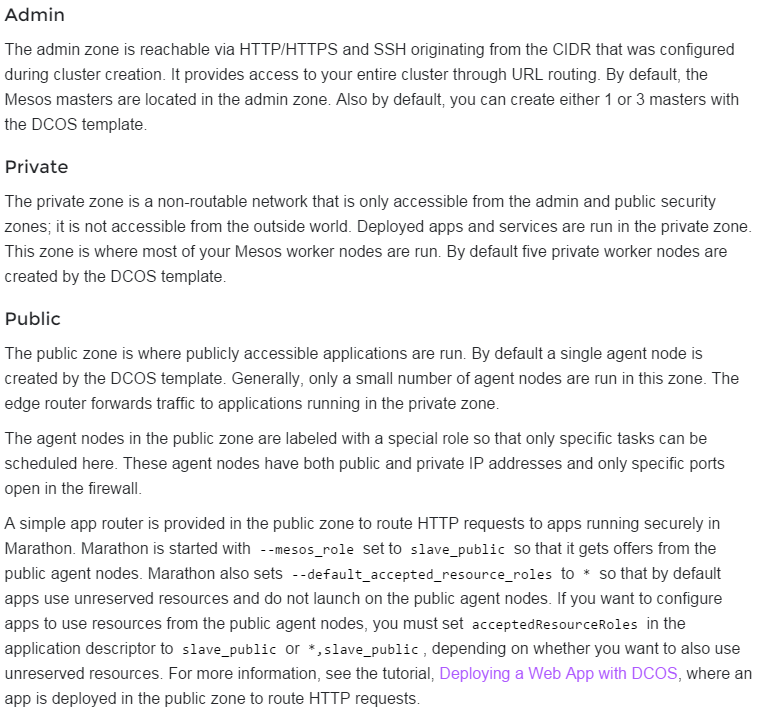
Master  
Loadbalancer

Public Slave

Slave

Does this match the [theory](https://docs.mesosphere.com/overview/dcosarchitecture/)?



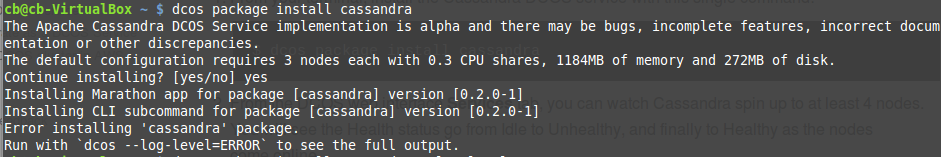


# Tutorial 1

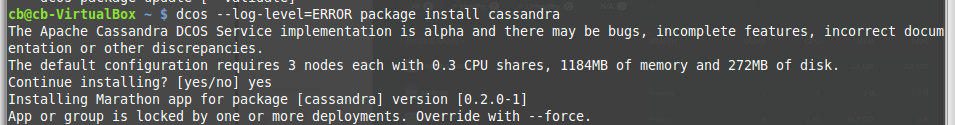
<https://docs.mesosphere.com/tutorials/deploywebapp/>

Deploying a Sample Web App with DCOS

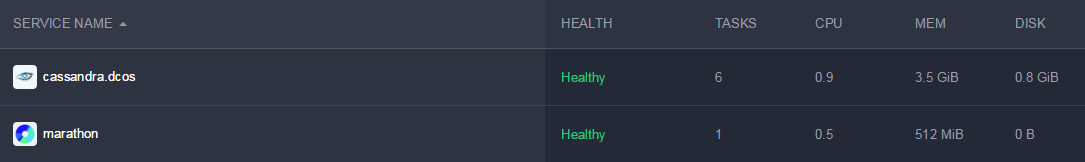
Errors:



But which?



* But seems to be installed somehow:



<http://Meso-Tuto-PublicSl-1DV84PC49RTNI-193387908.us-west-1.elb.amazonaws.com>