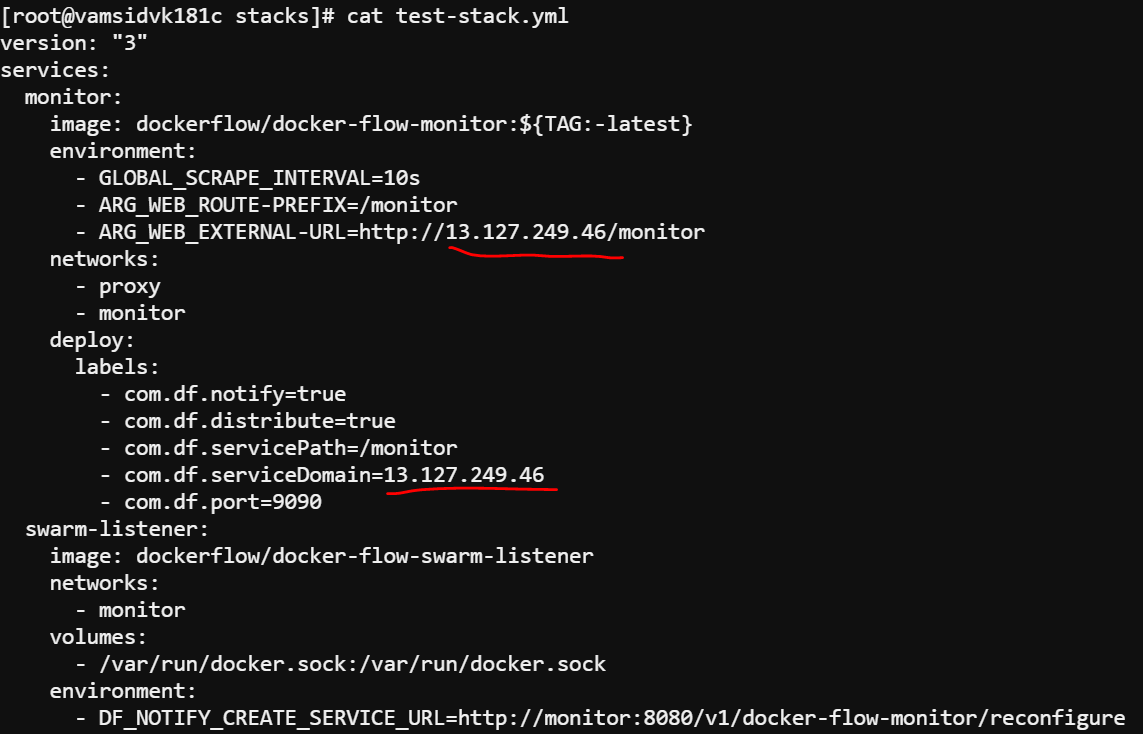
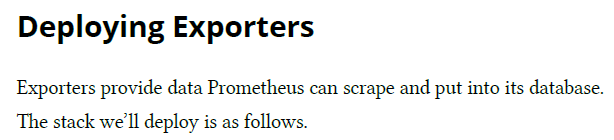


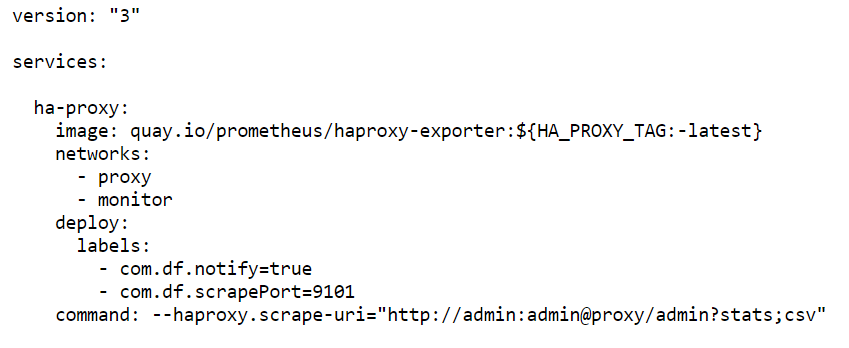
Still we are unable to fetch the service as expected so we will copy paste the info from the book or u can directly read it from the book

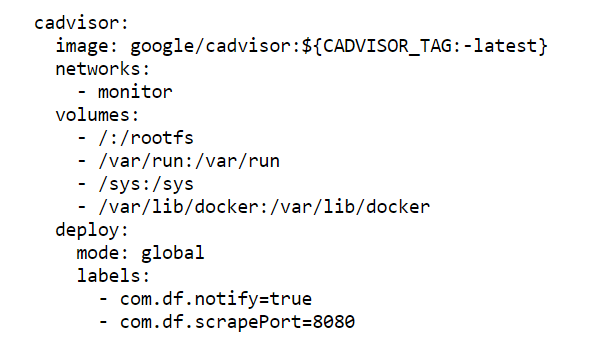


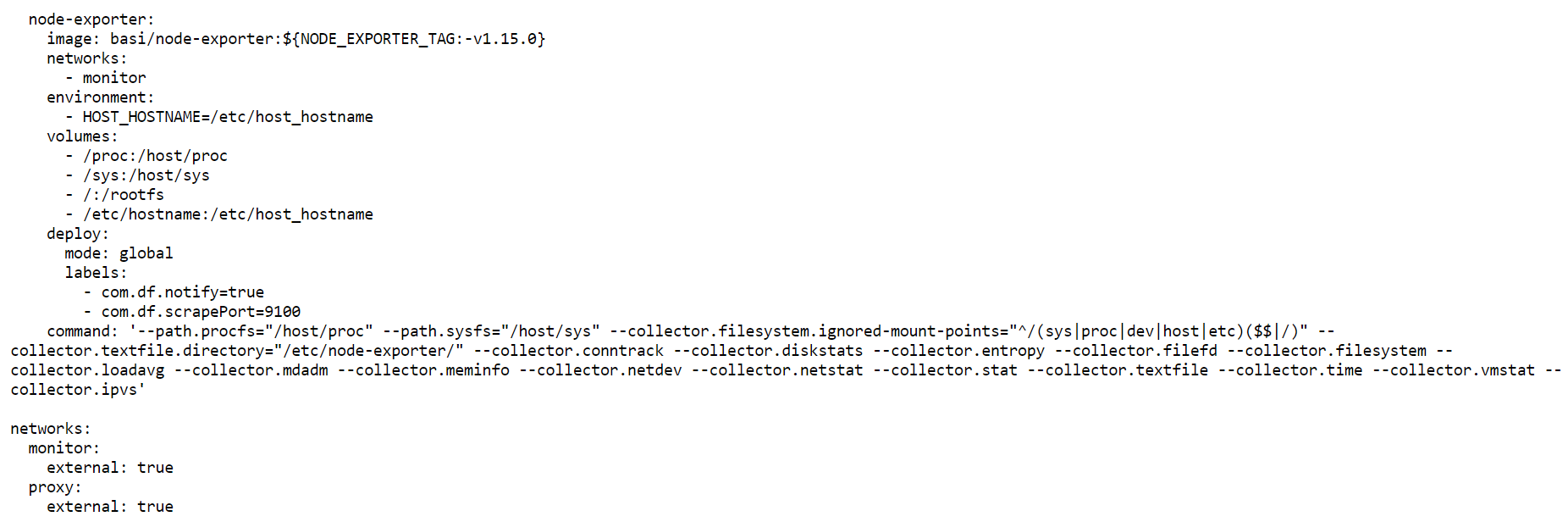


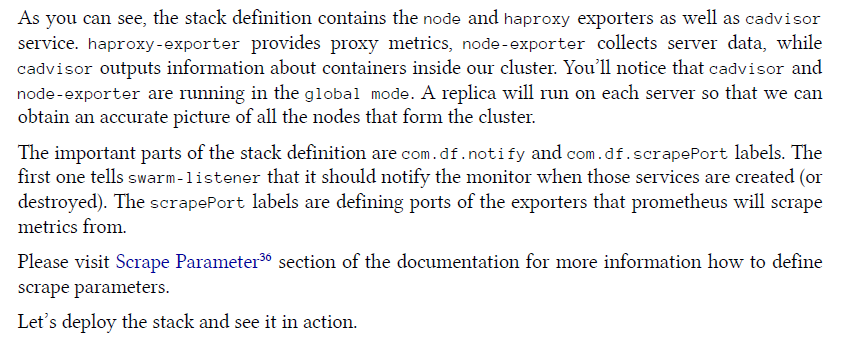
This is the stack file we have deployed that will be used for scraping metrics. Marked one is the IP address of the node 1 of the cluster

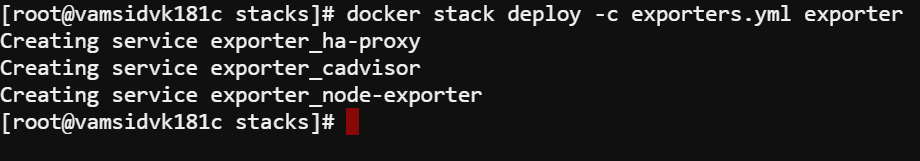




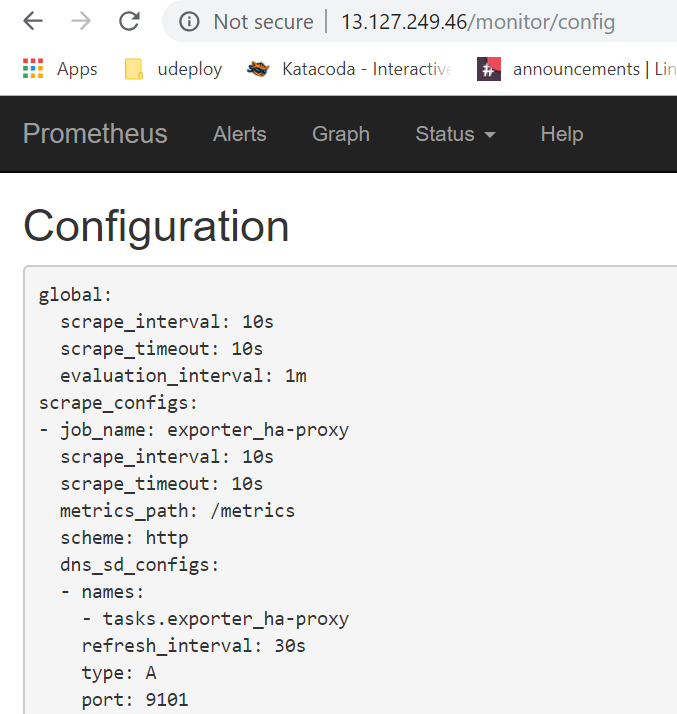


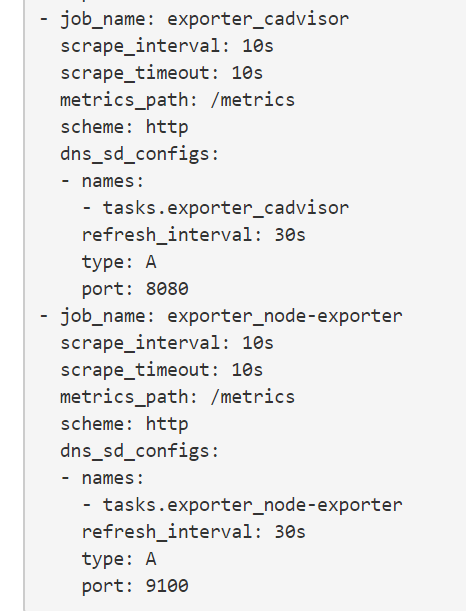


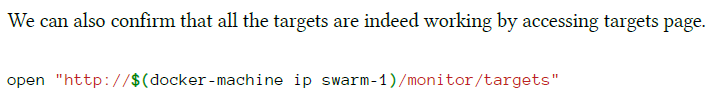


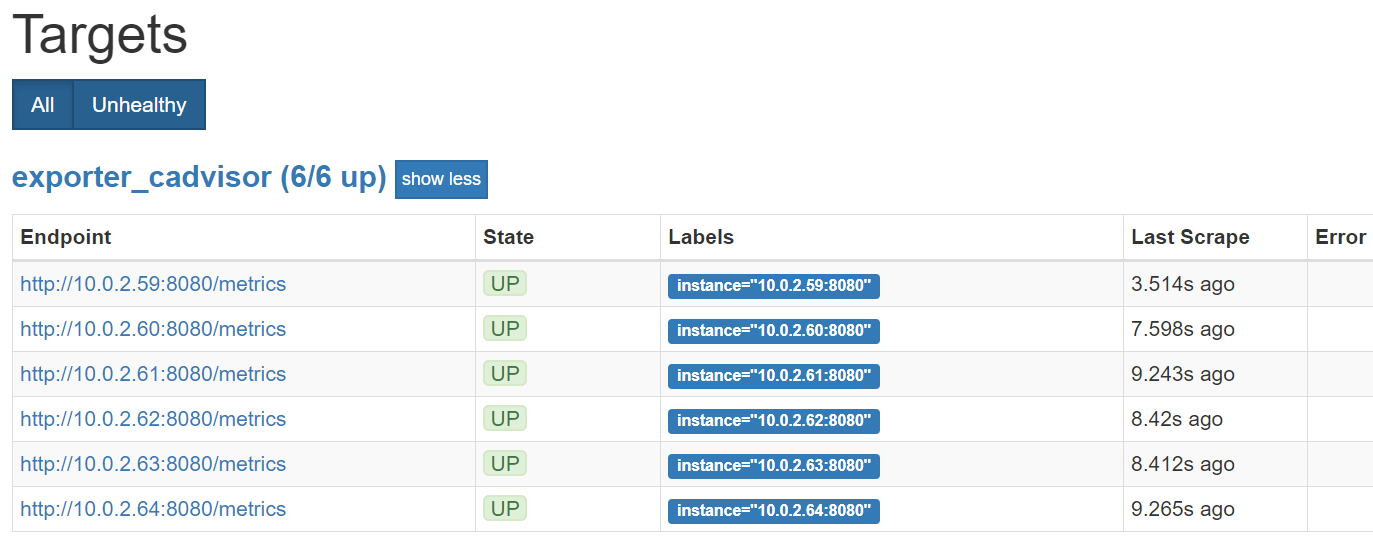


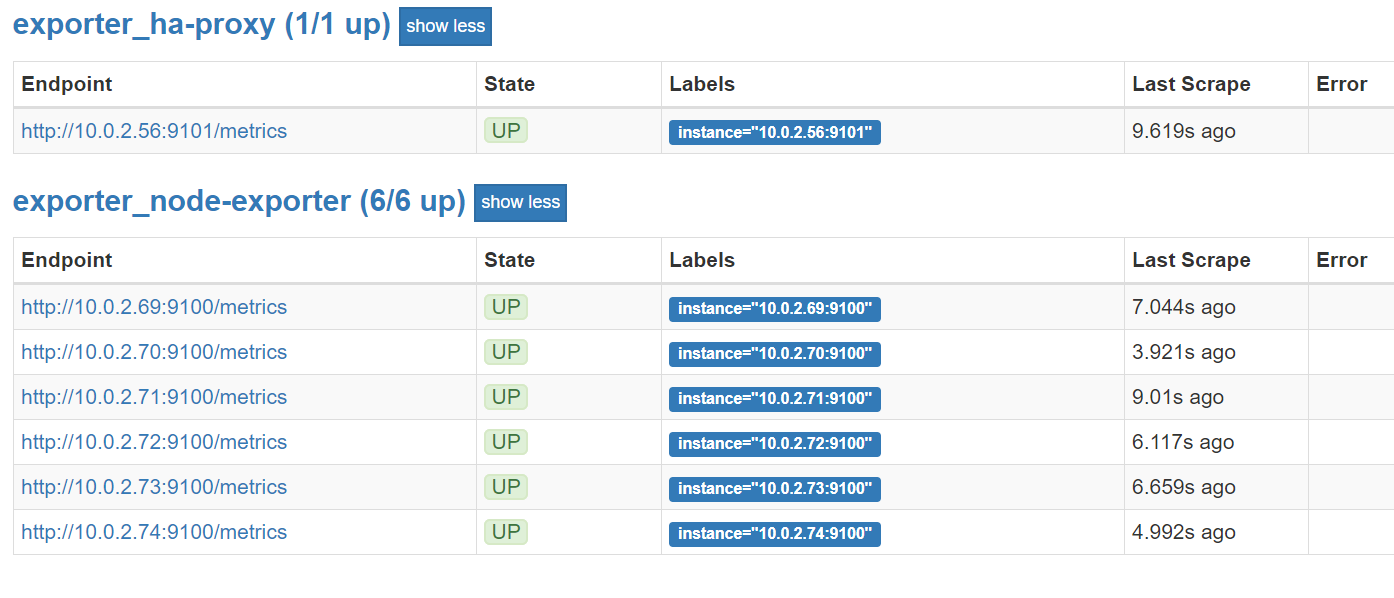




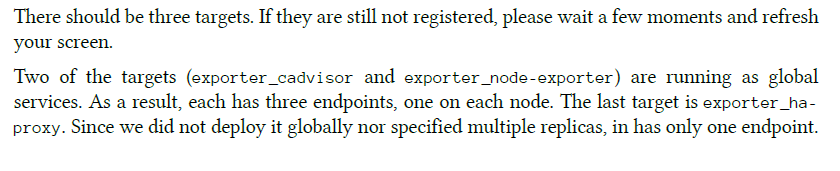


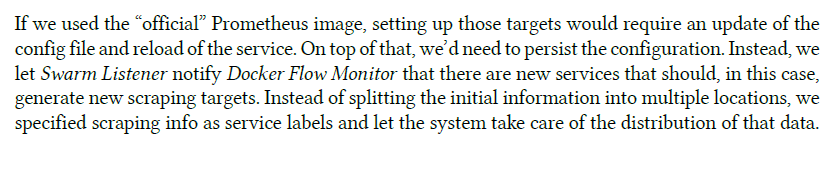


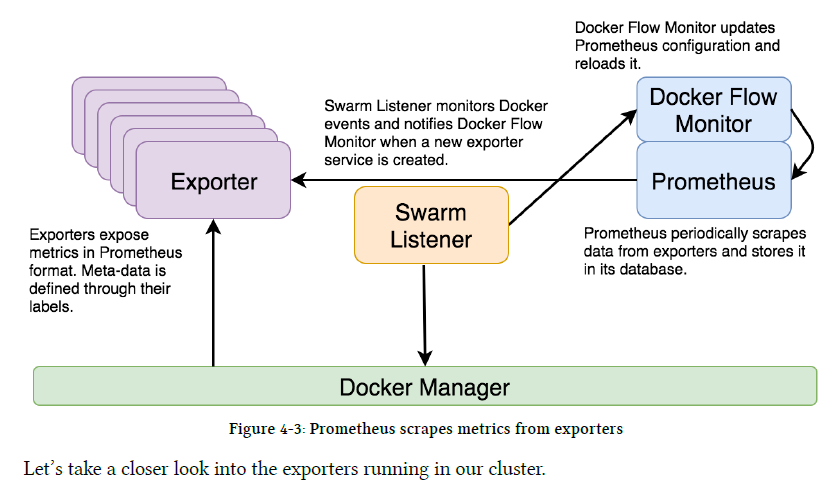




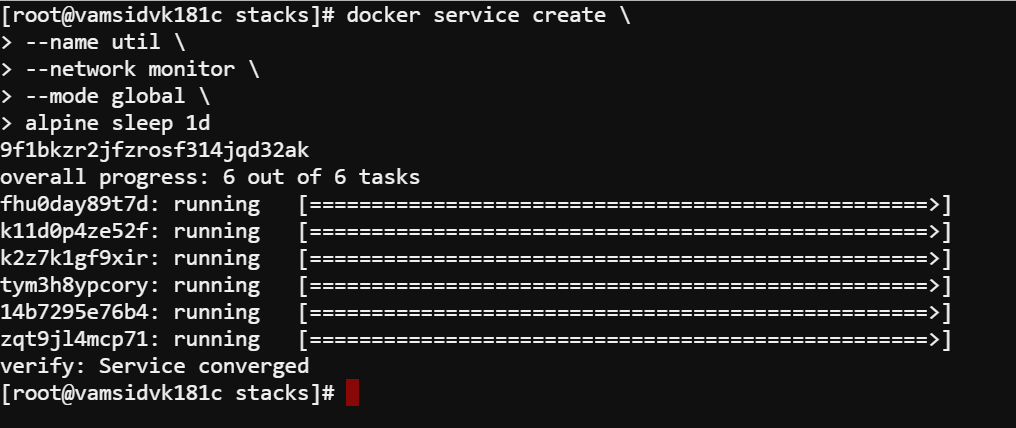
It shows the 3 targets with 6 endpoints as opposed to the book as we have 6 node cluster

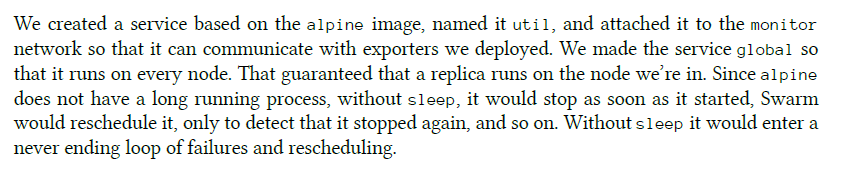


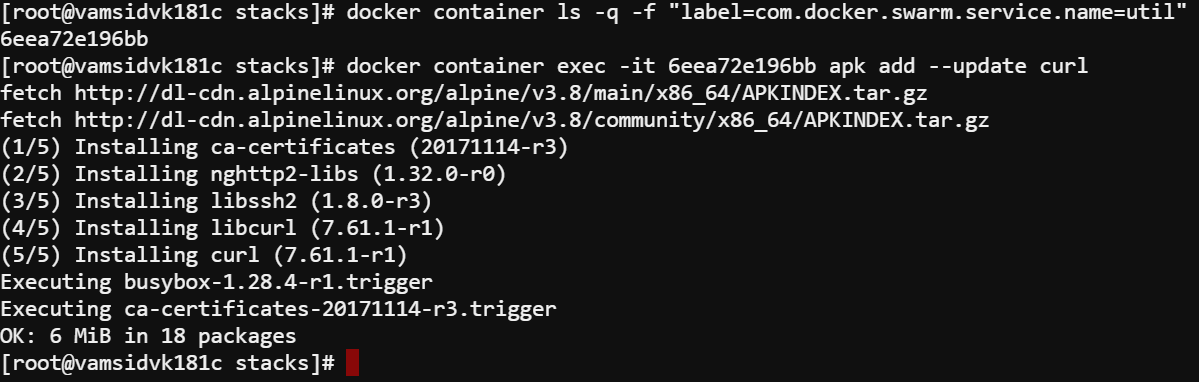


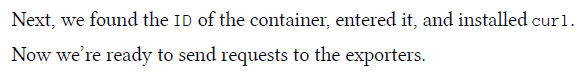






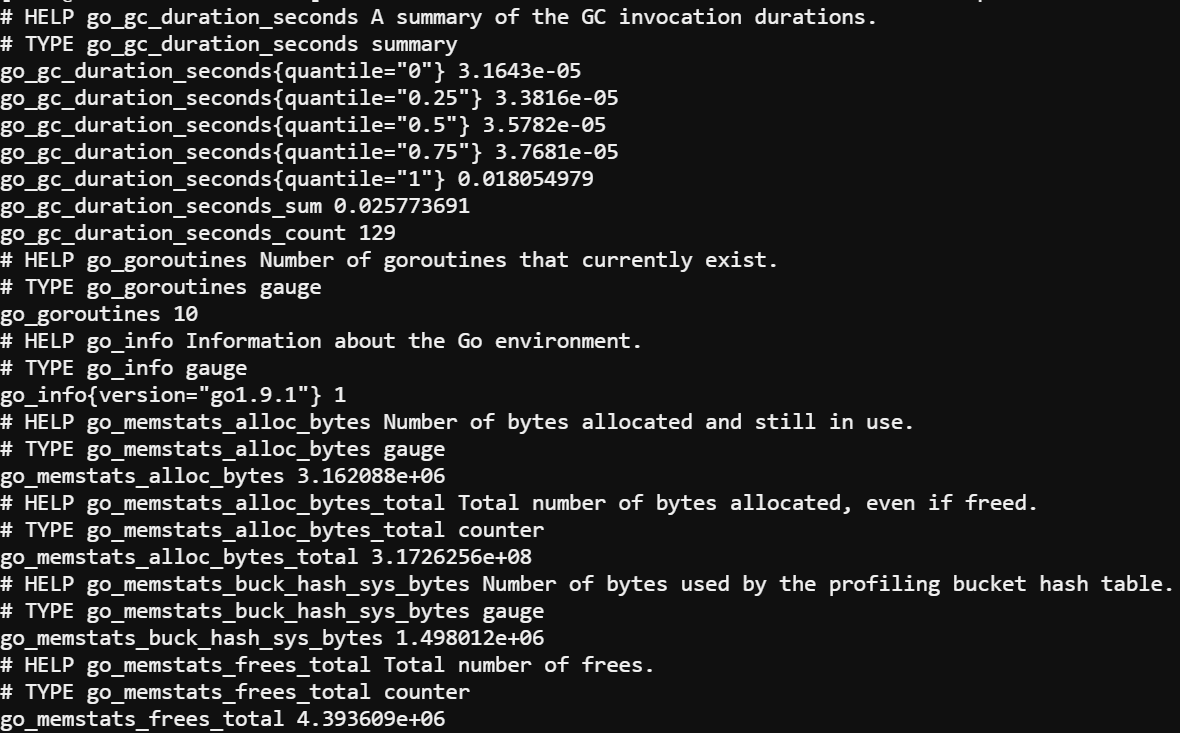


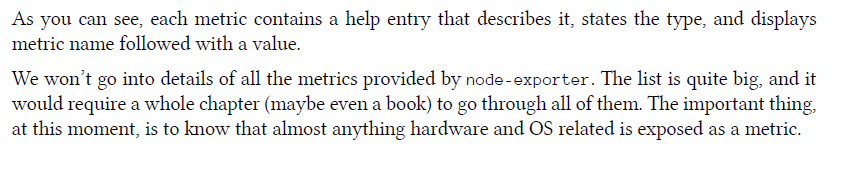










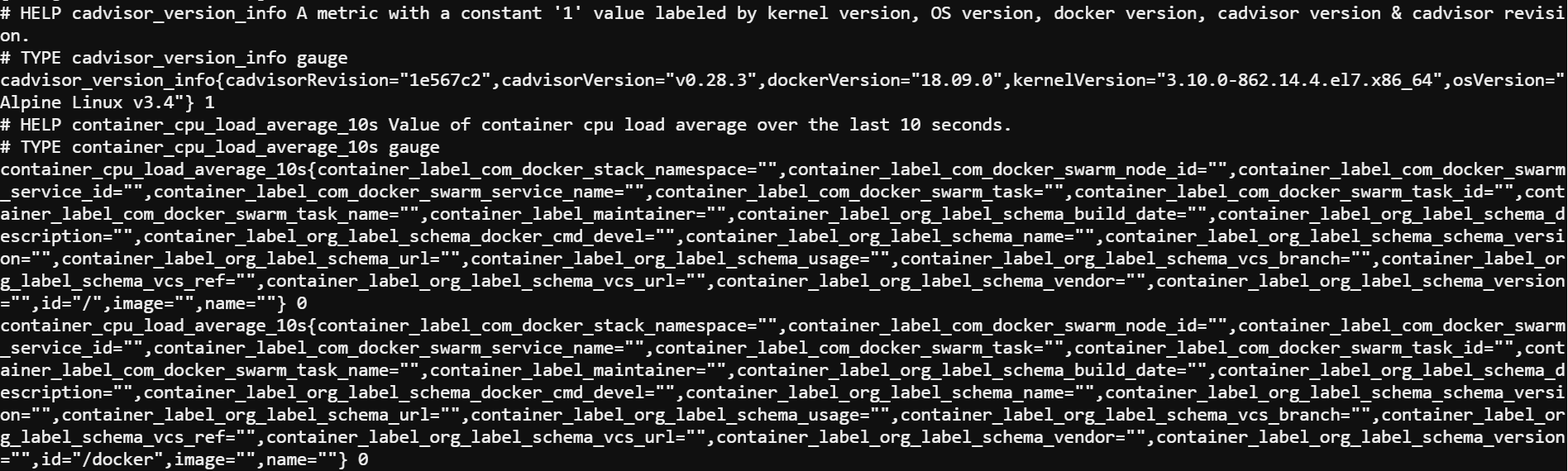


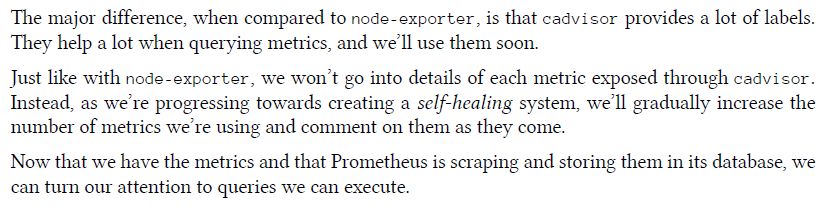


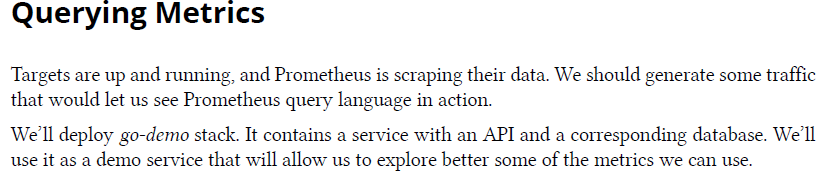




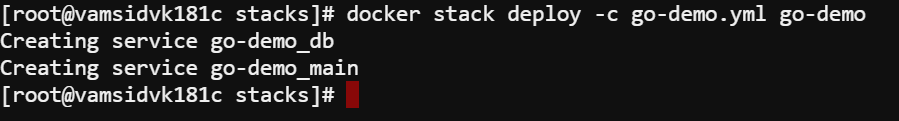


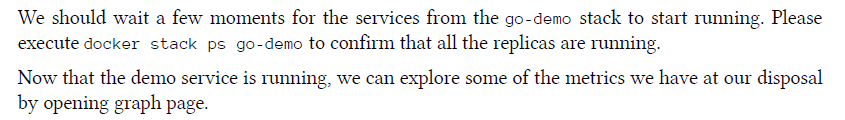


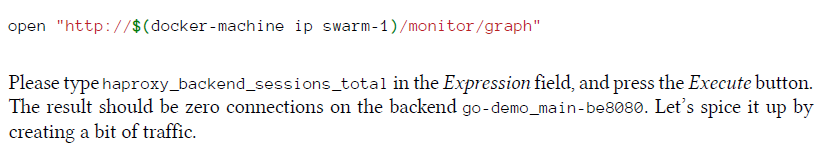


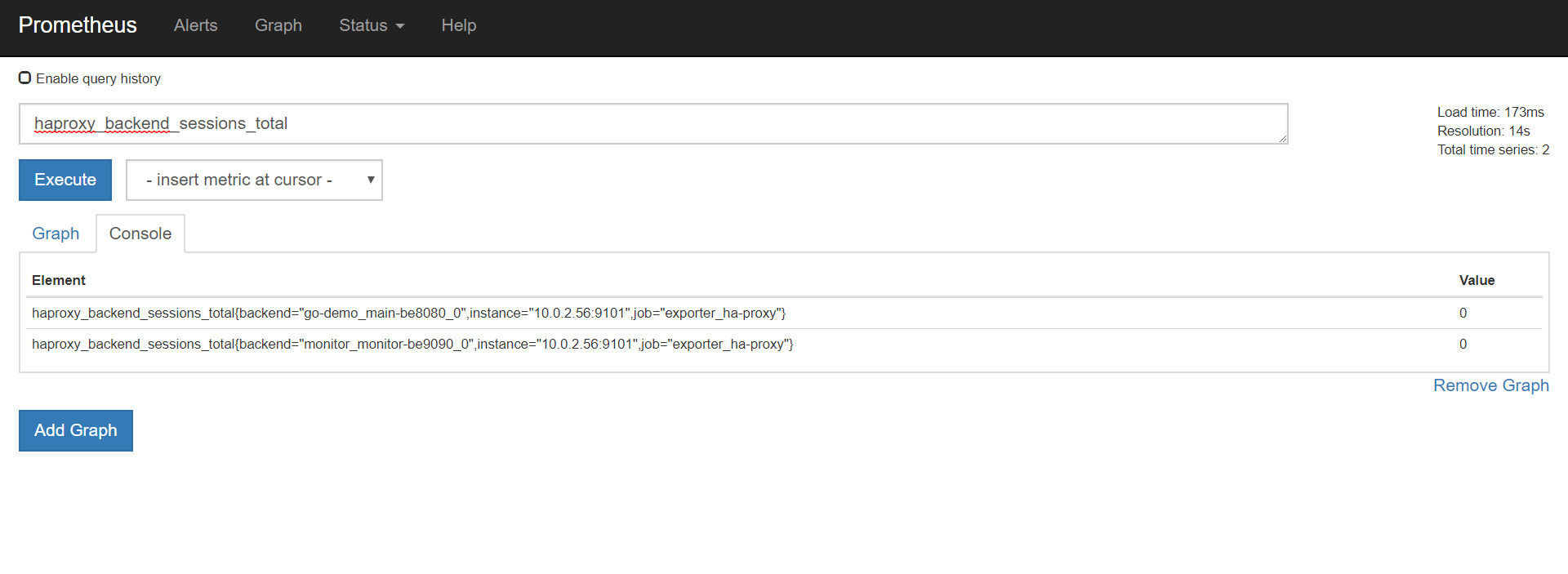


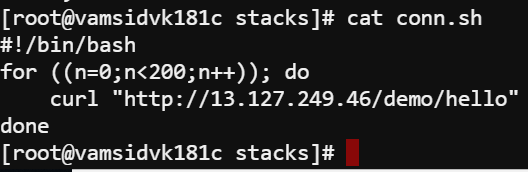


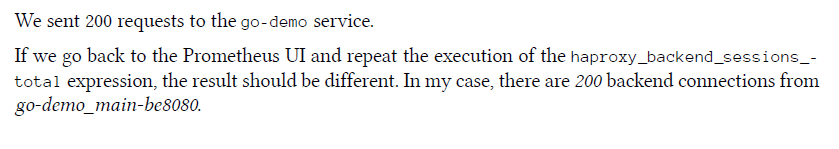


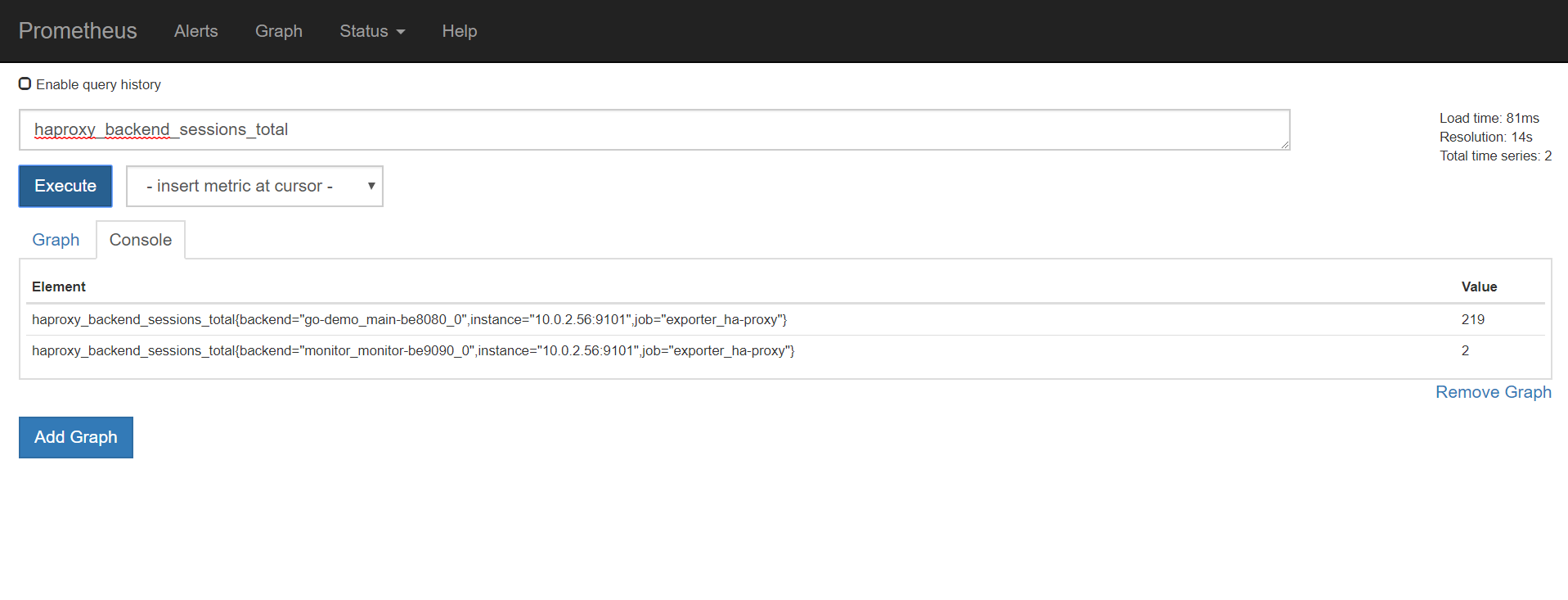






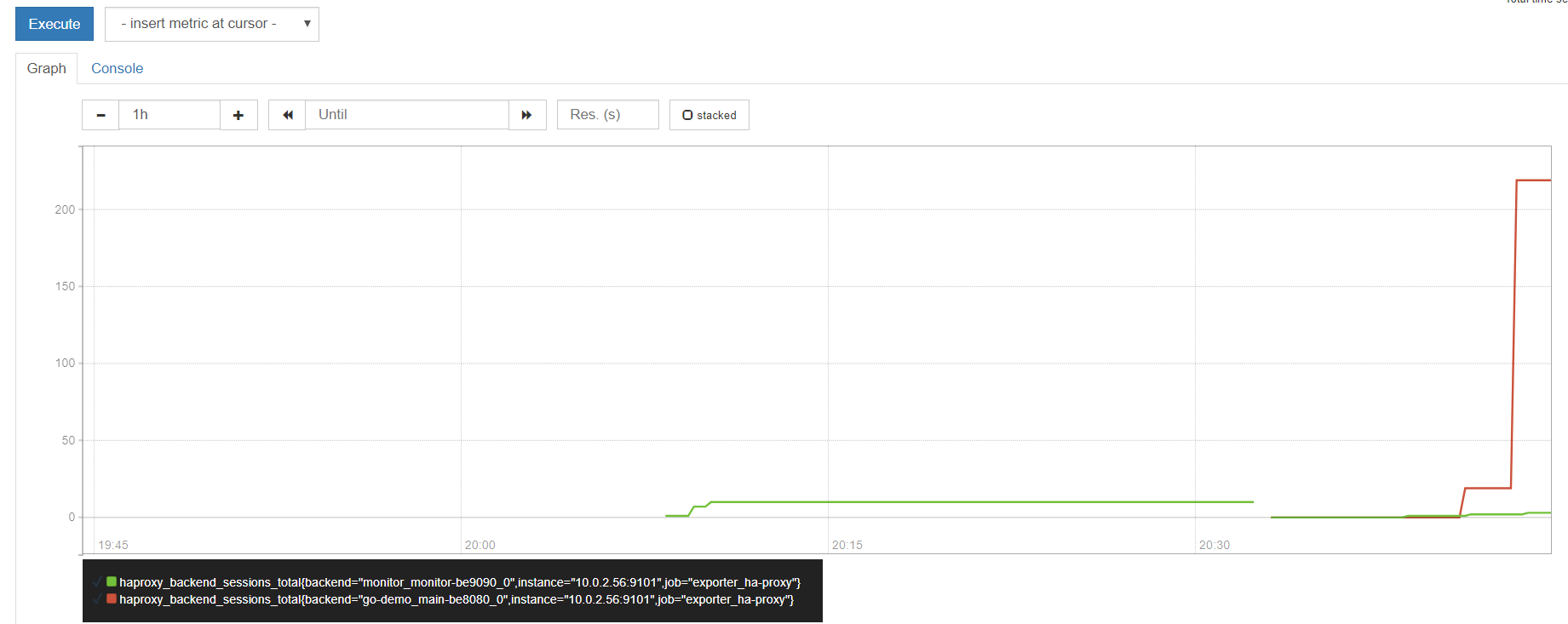


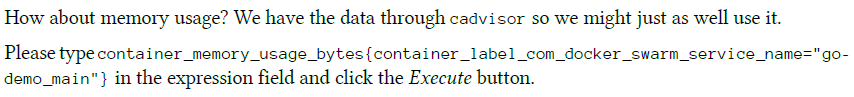


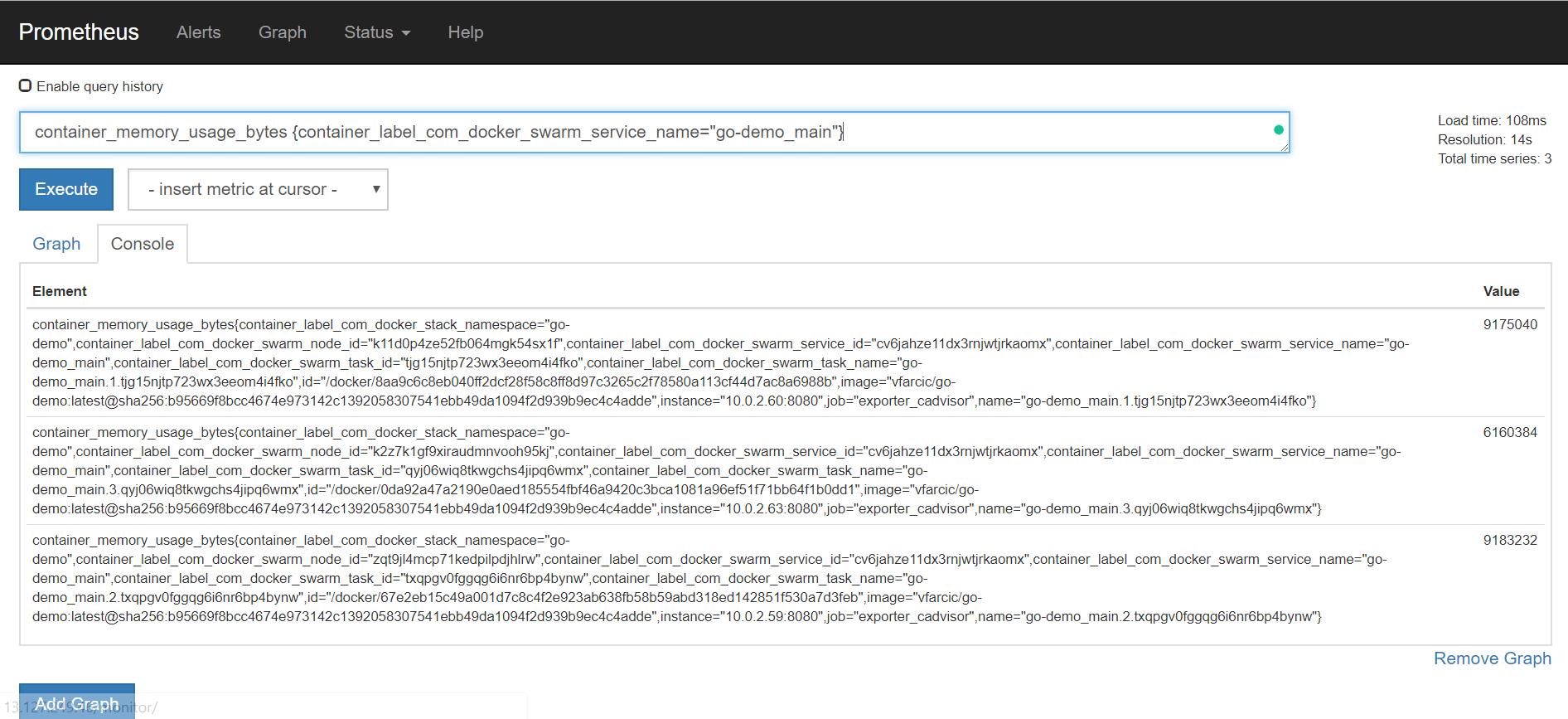


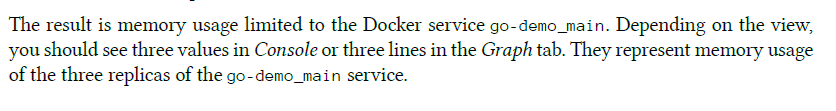
In the above pic it is 219 bcoz we tried to manually send requests

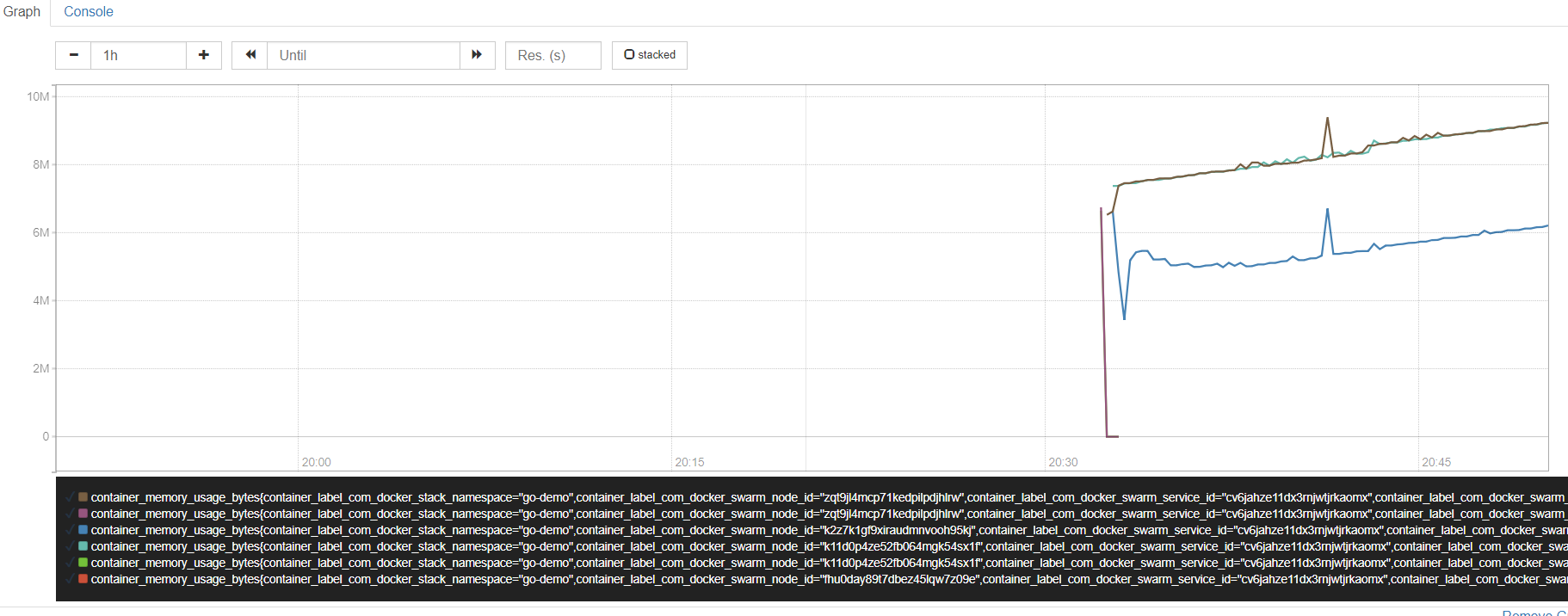


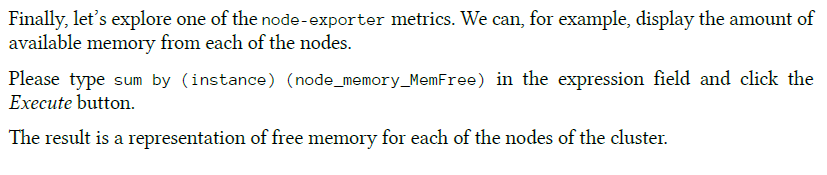


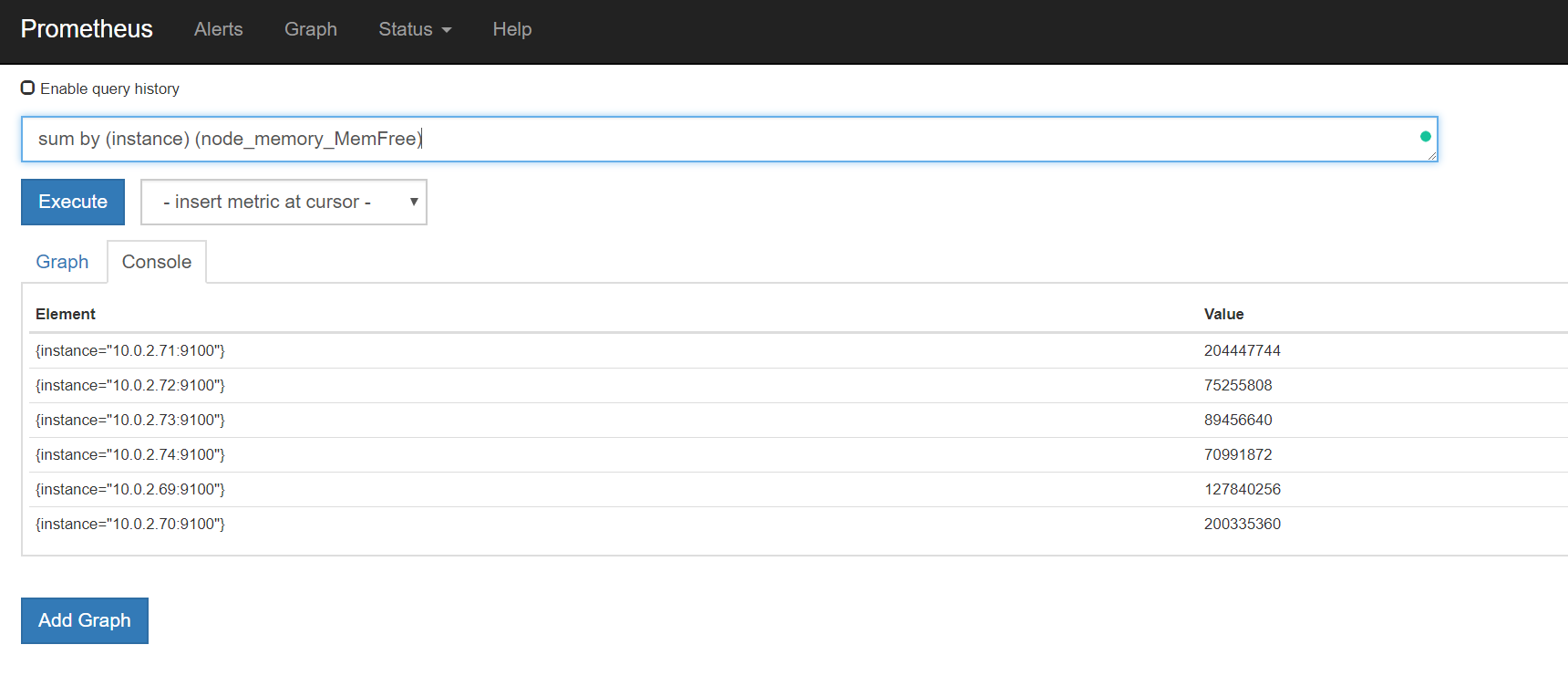


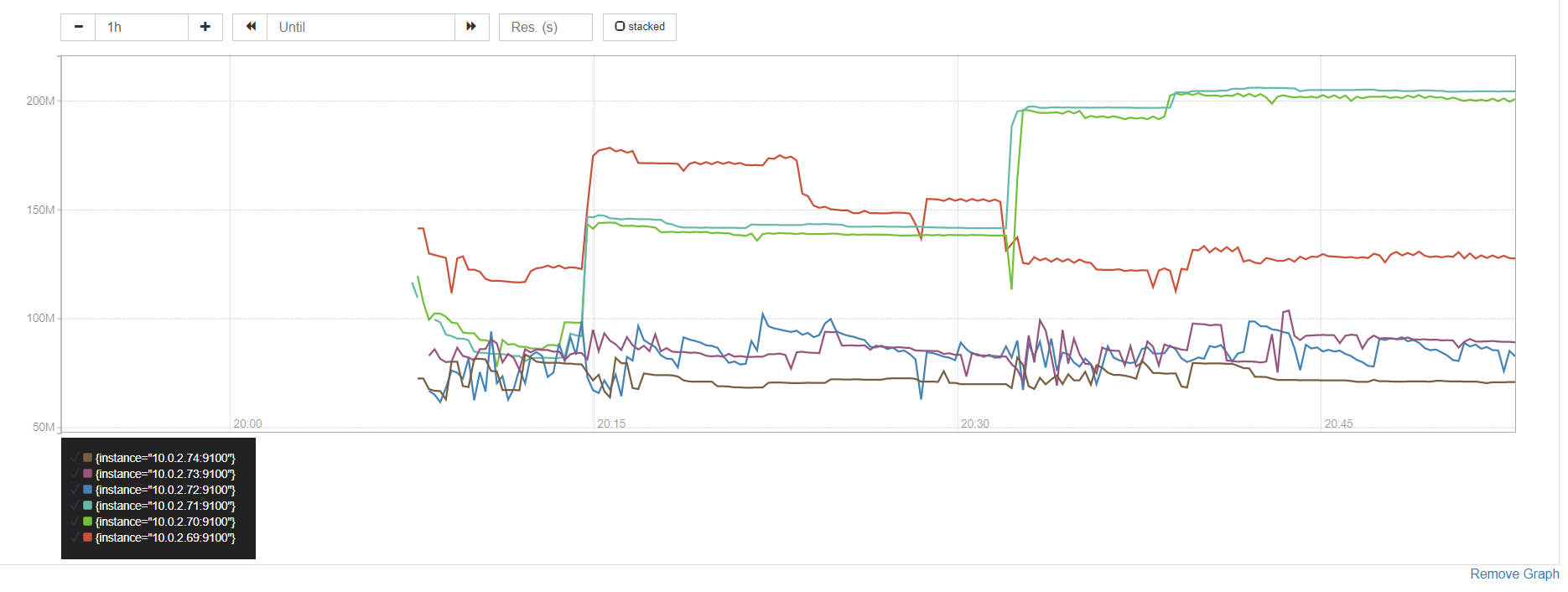


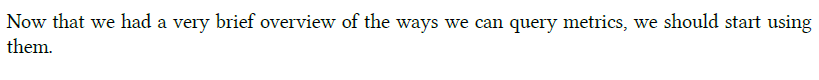


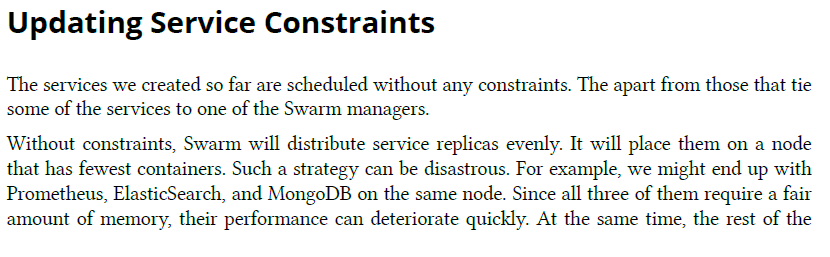


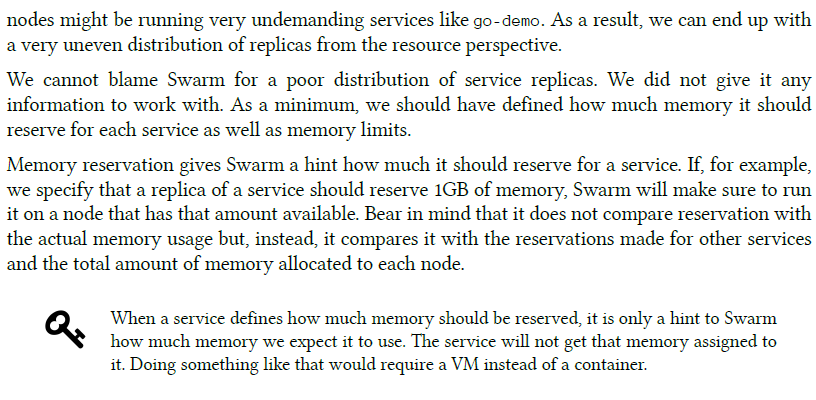


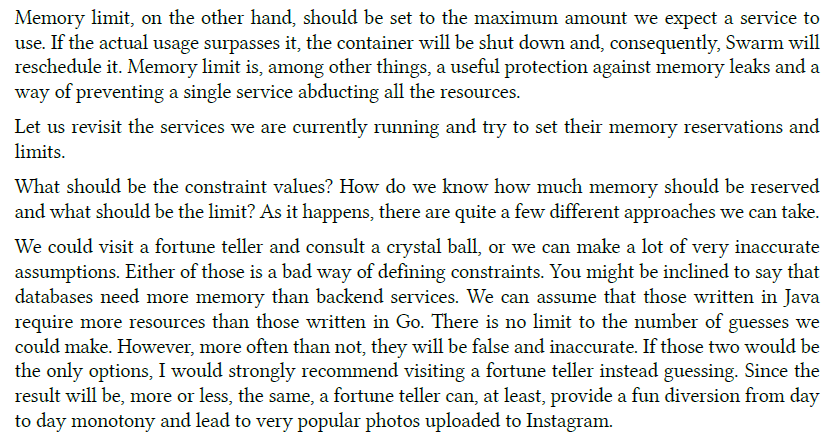


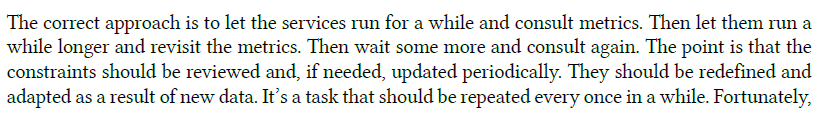


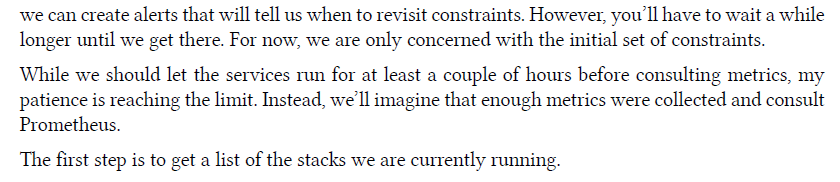




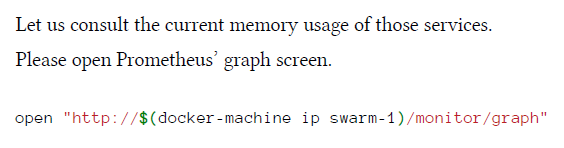




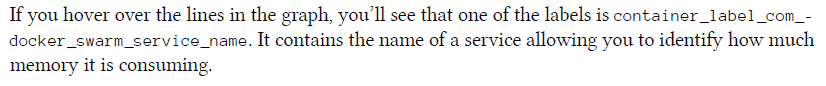


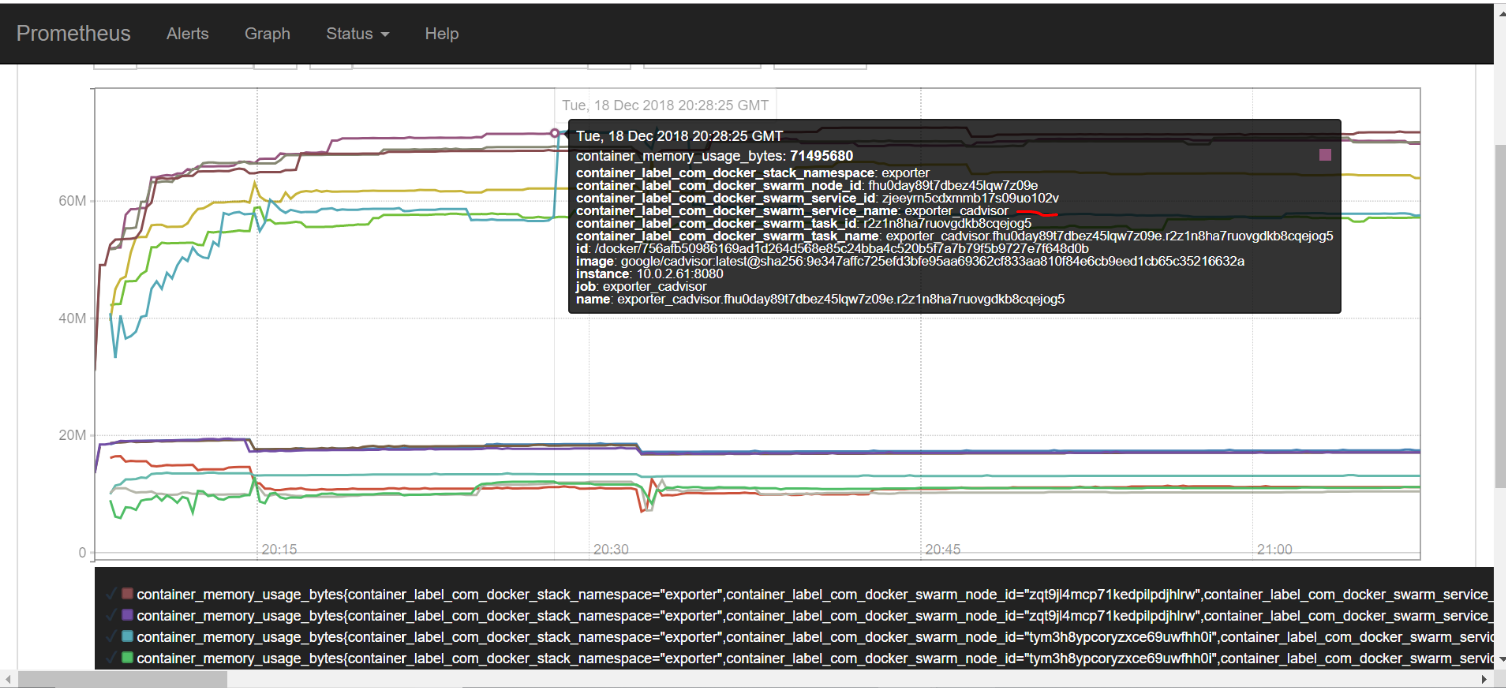


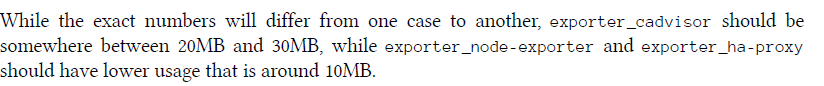






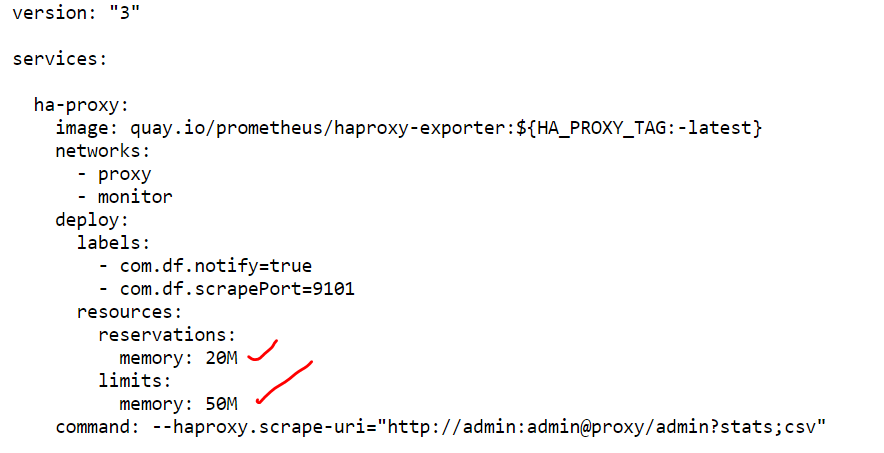


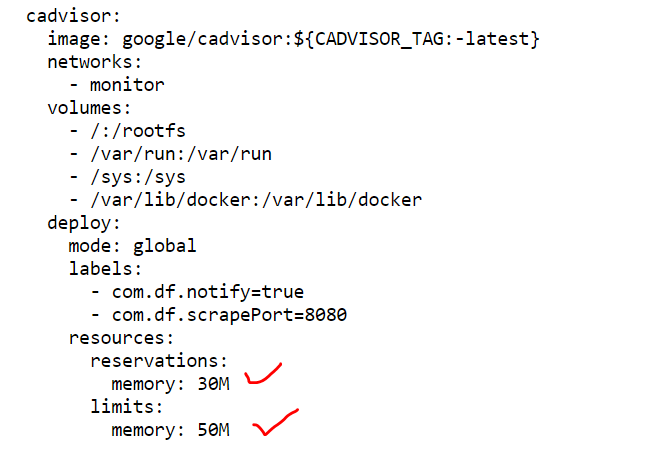




In our case it is cadvisor utilization is above 60 mb & ha\_proxy & node\_exporter is below 20 mb









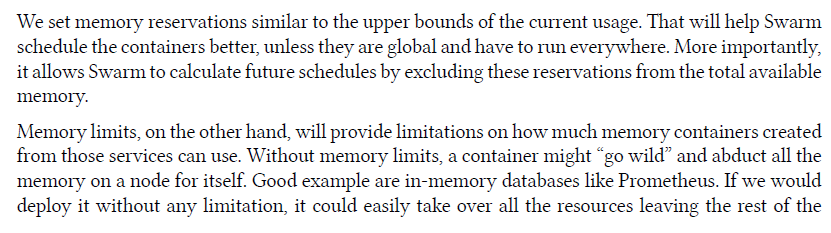
<https://raw.githubusercontent.com/docker-flow/docker-flow-monitor/master/stacks/exporters-mem.yml>

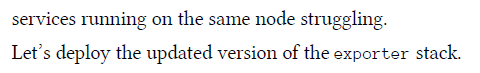
In our case we will give below as the reservation & limits based on the graph we got

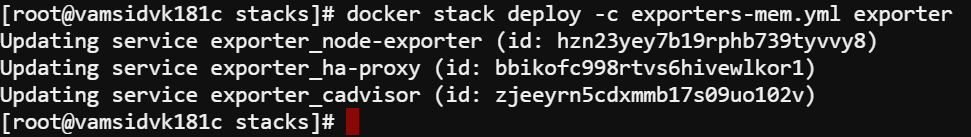
Ha\_proxy : 30M & 60M

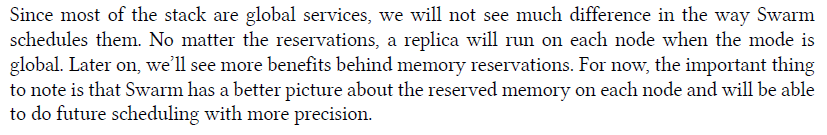
Cadvisor: 80M & 100M

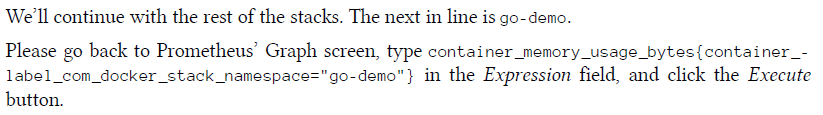
Node\_exporter: 30M & 60M

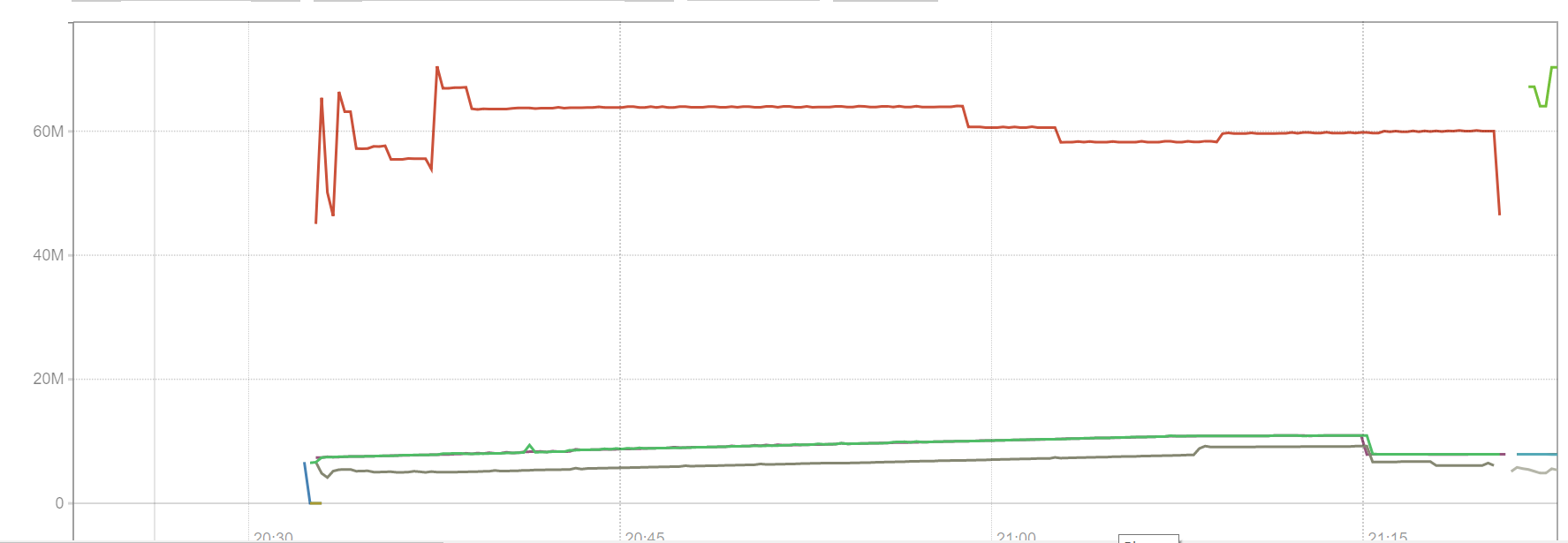


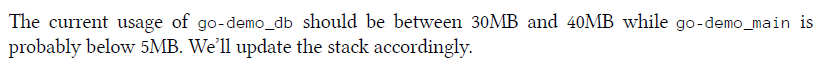




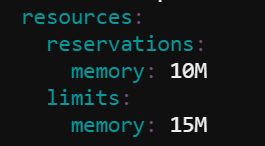


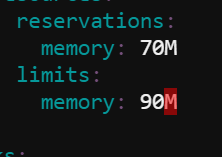






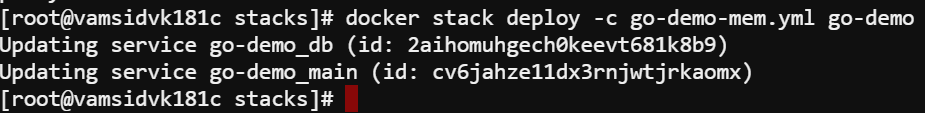
In our case db is using above 65 mb and main using below 10 mb

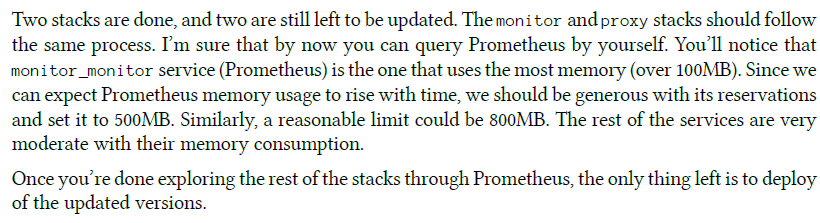


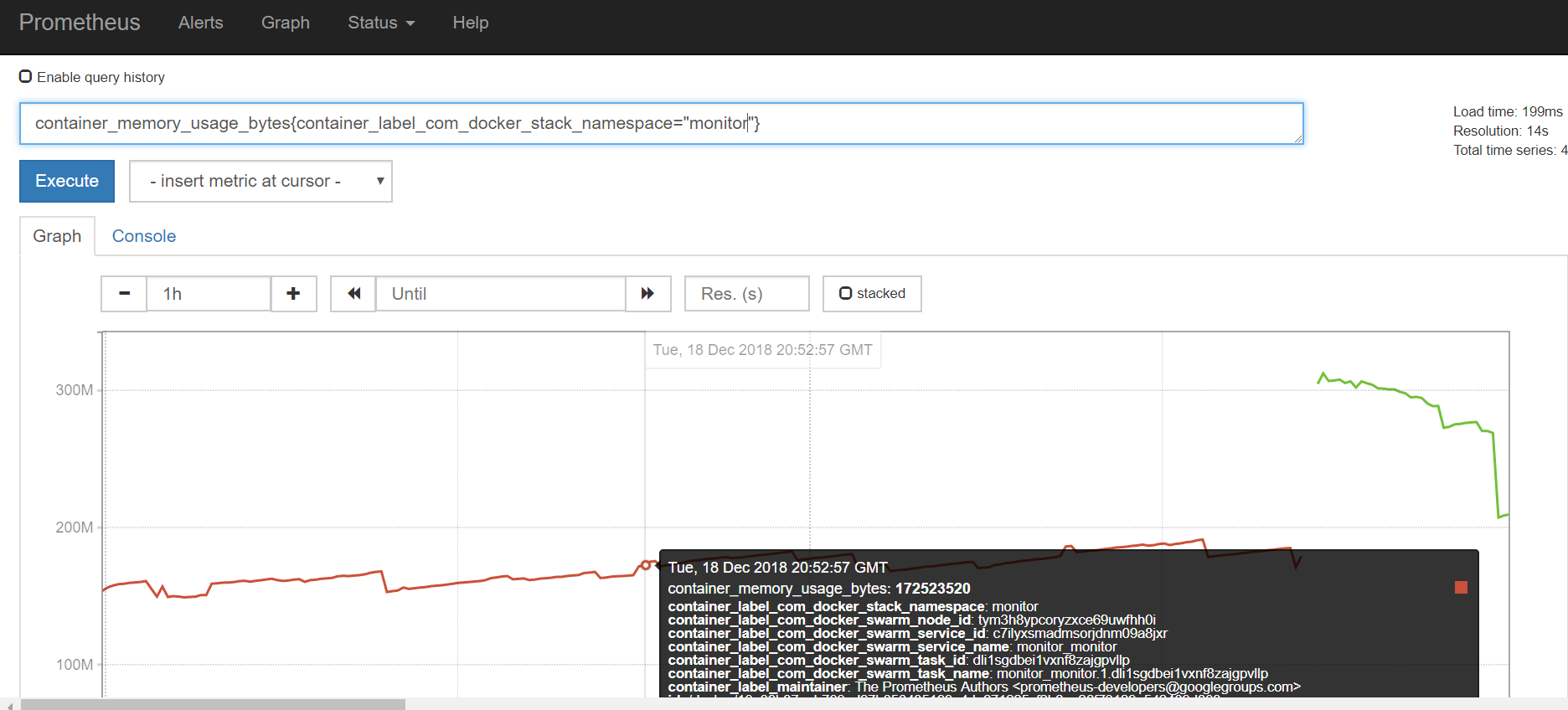


Above are the 2 reservations & limits for the main service & db service

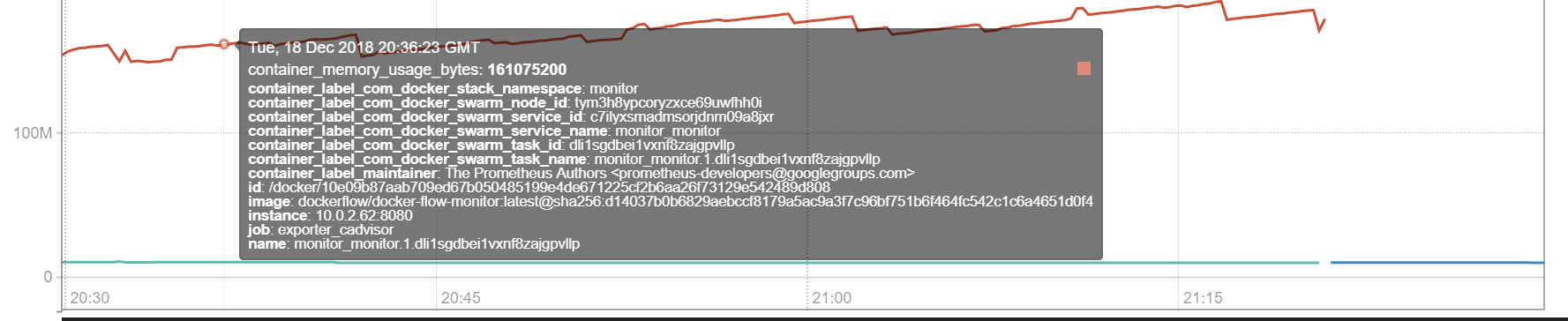






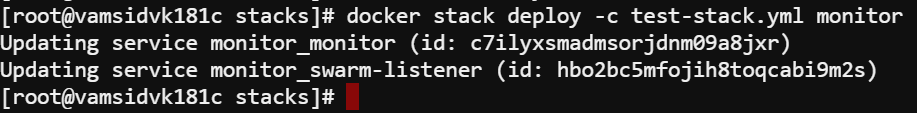


In our case we are getting the Prometheus usage is below 200M (So we will follow books convetion) & Monitor swarm listener below 20M



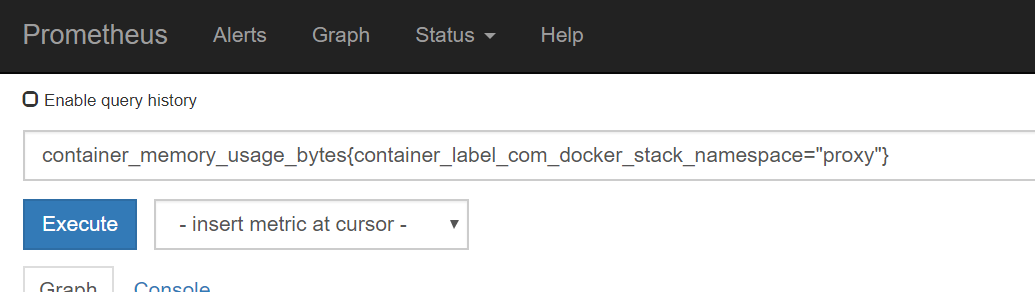
The breakage in the graph for the 1st pic in the monitor namespace is because of the service update

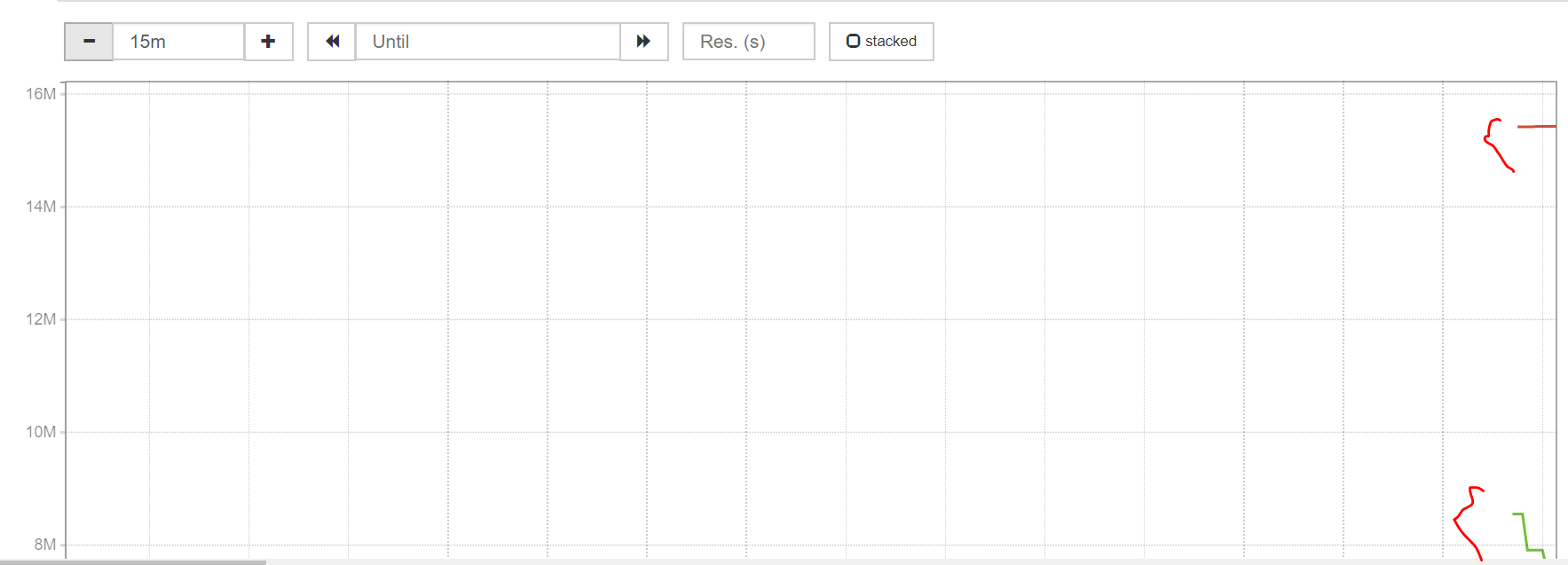




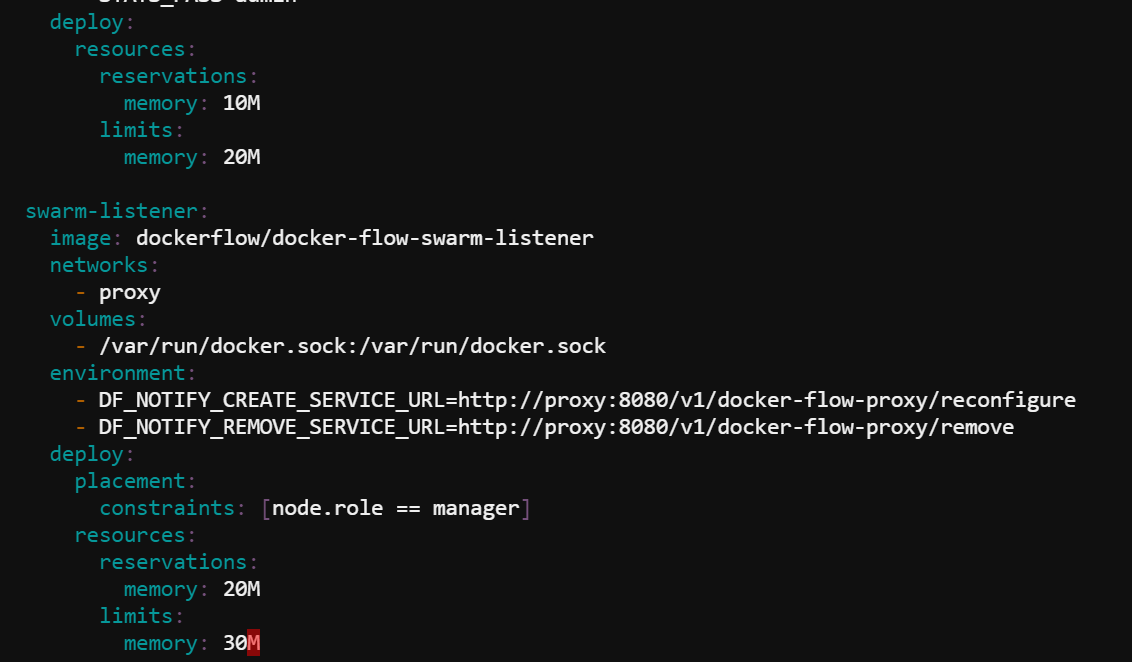
<https://raw.githubusercontent.com/docker-flow/docker-flow-monitor/master/stacks/docker-flow-monitor-mem.yml>

Next up for proxy stack



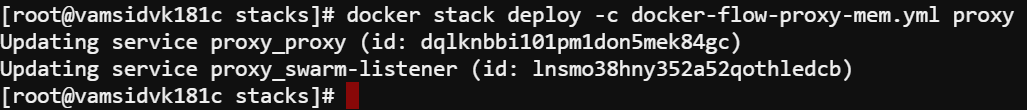


In the proxy stack namespace it is swarm\_listener is below 16 mb and docker\_flow\_proxy is below 10 mb

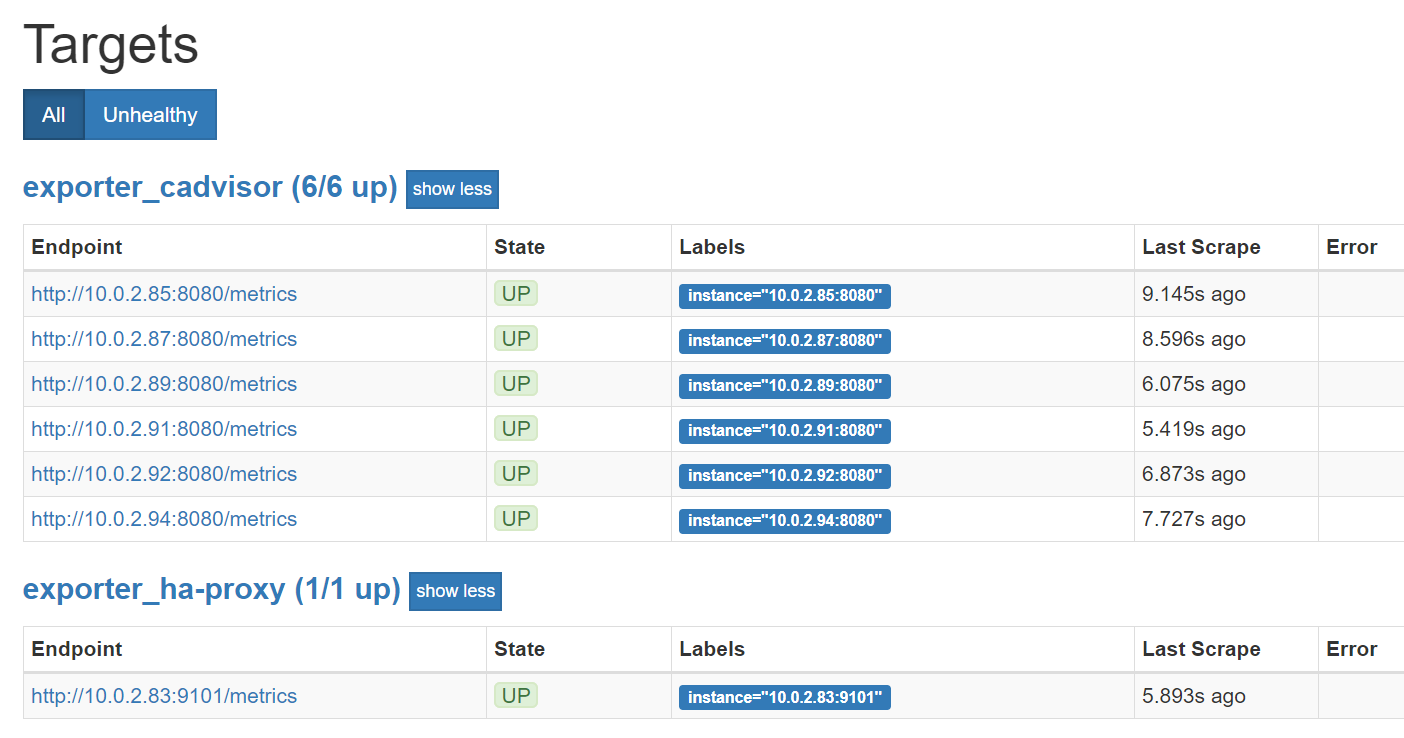


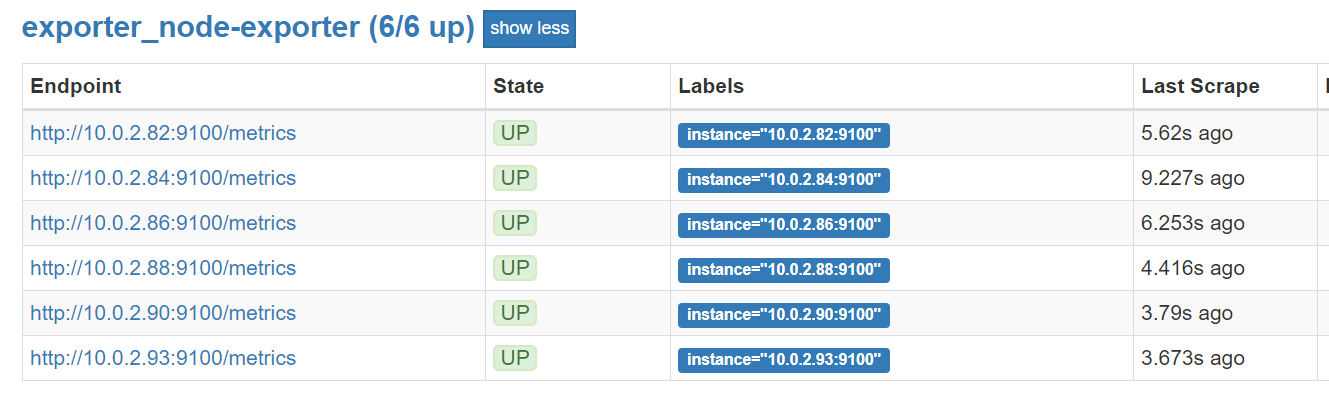
So we will make them as above

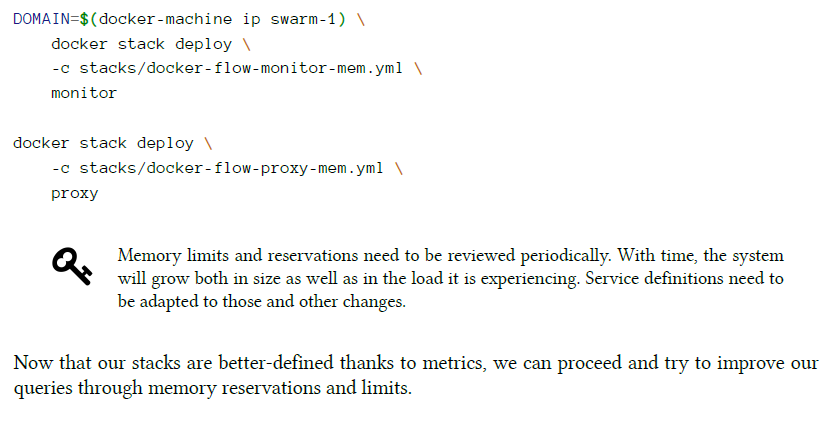
<https://raw.githubusercontent.com/docker-flow/docker-flow-monitor/master/stacks/docker-flow-proxy-mem.yml>

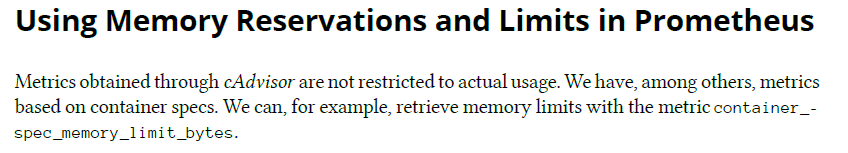


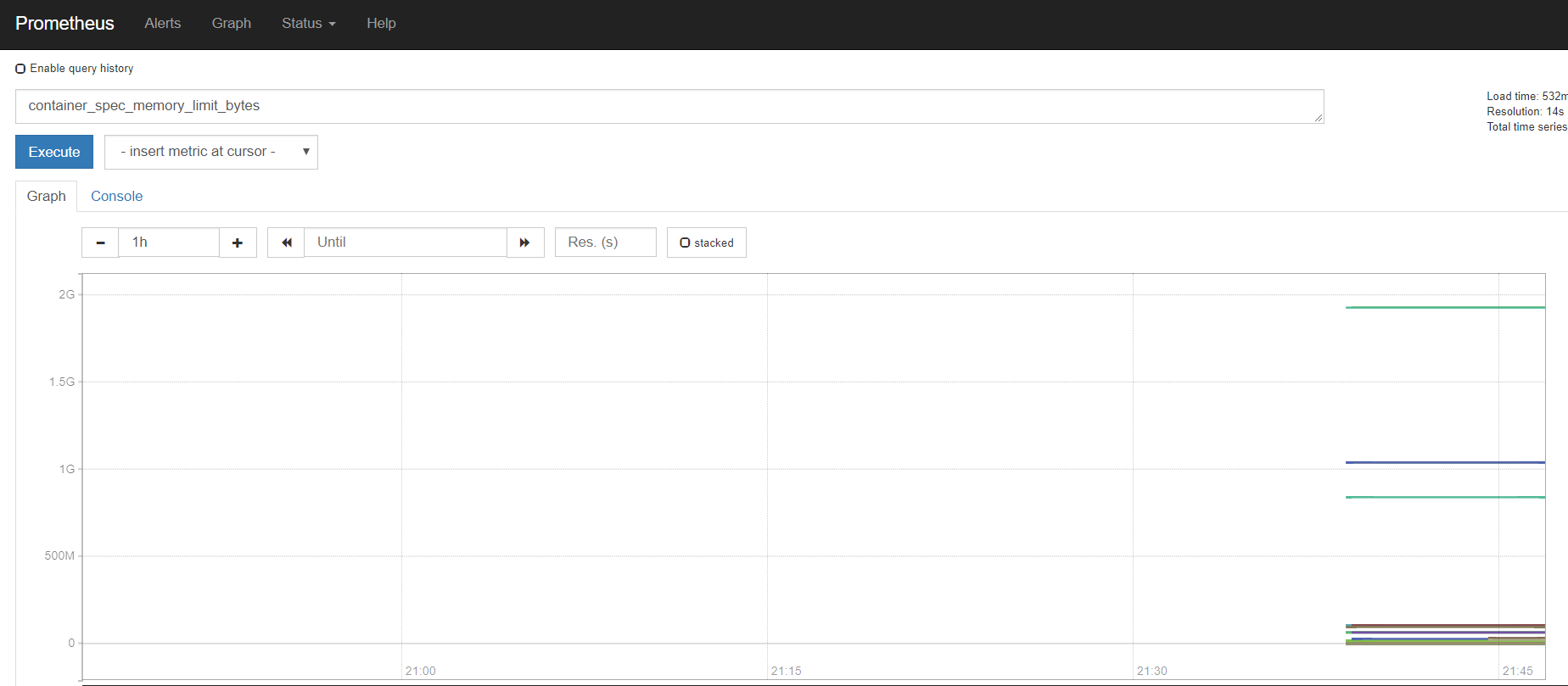
After updating all the services we can see them up in the Prometheus UI

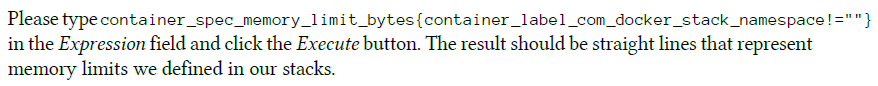












The above result is same as above

