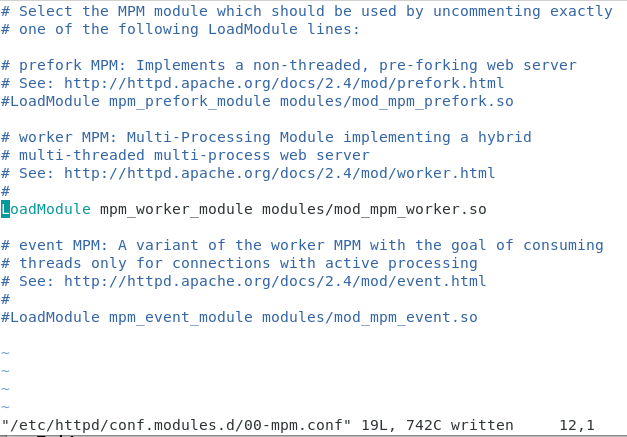
#TASK1

###1\_\_\_\_

vim /etc/httpd/conf.modules.d/00-mpm.conf

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_1.png



[root@worker ~]# vim /etc/httpd/modules/mod\_mpm\_worker.so

###2 \_\_\_\_\_\_

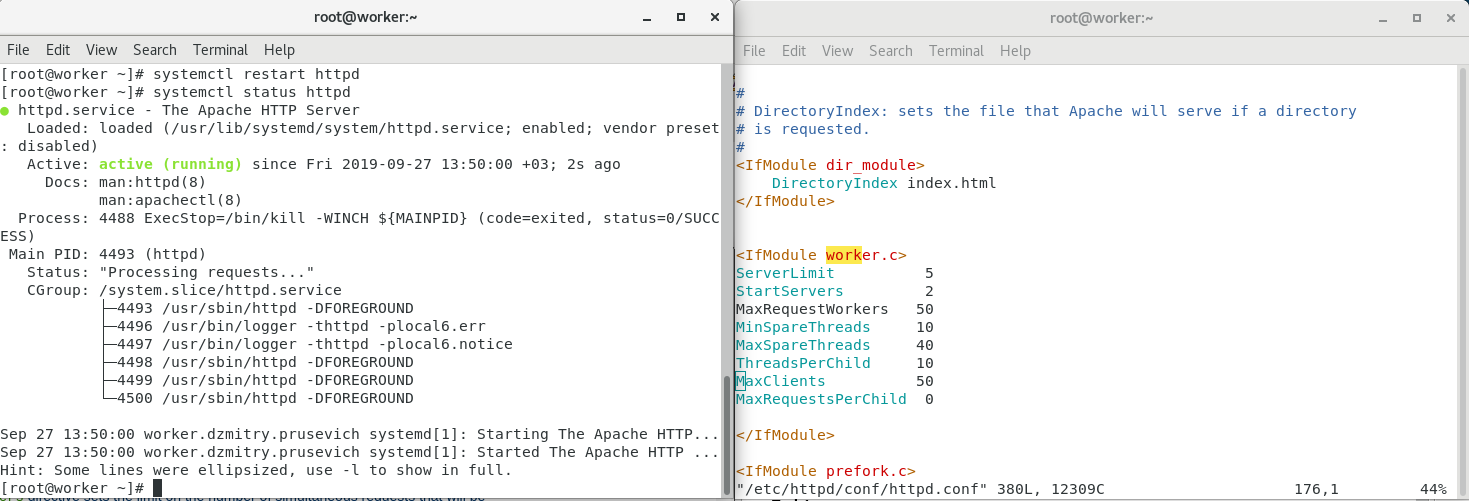
vim /etc/httpd/conf/httpd.conf

systemctl restart httpd

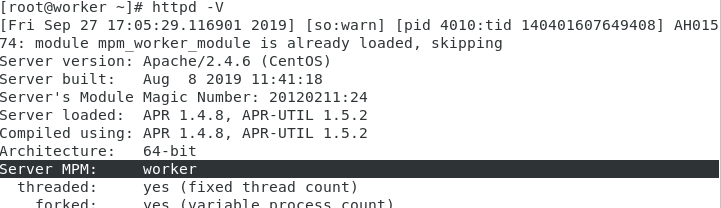
[root@worker ~]# systemctl status httpd

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_2.png



###3 Show that httpd is using worker module.

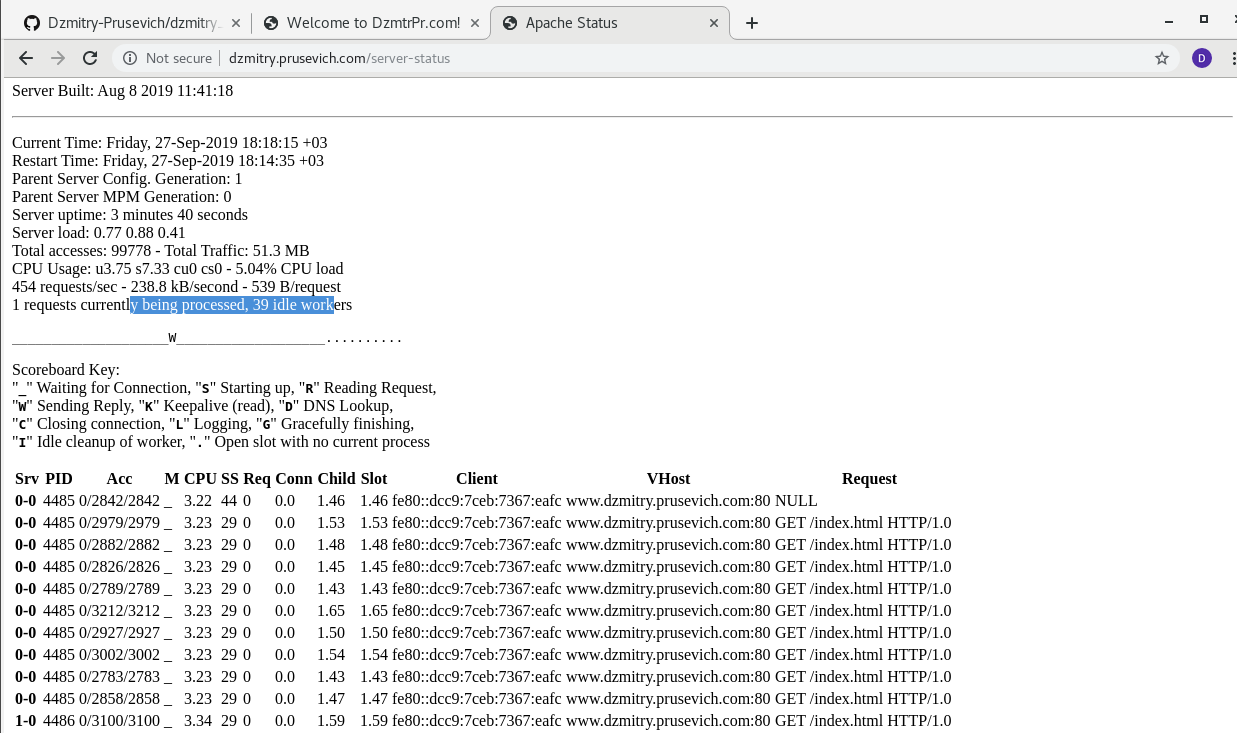
[root@worker ~]# httpd -V

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_3.png

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_4.png

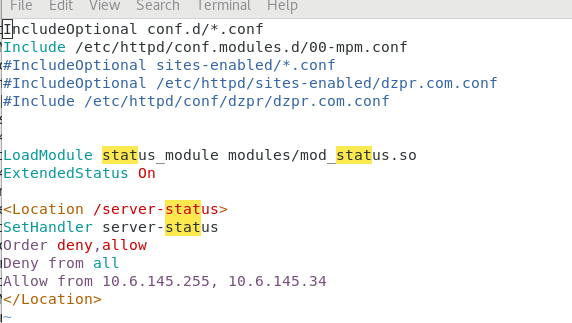


###4 task

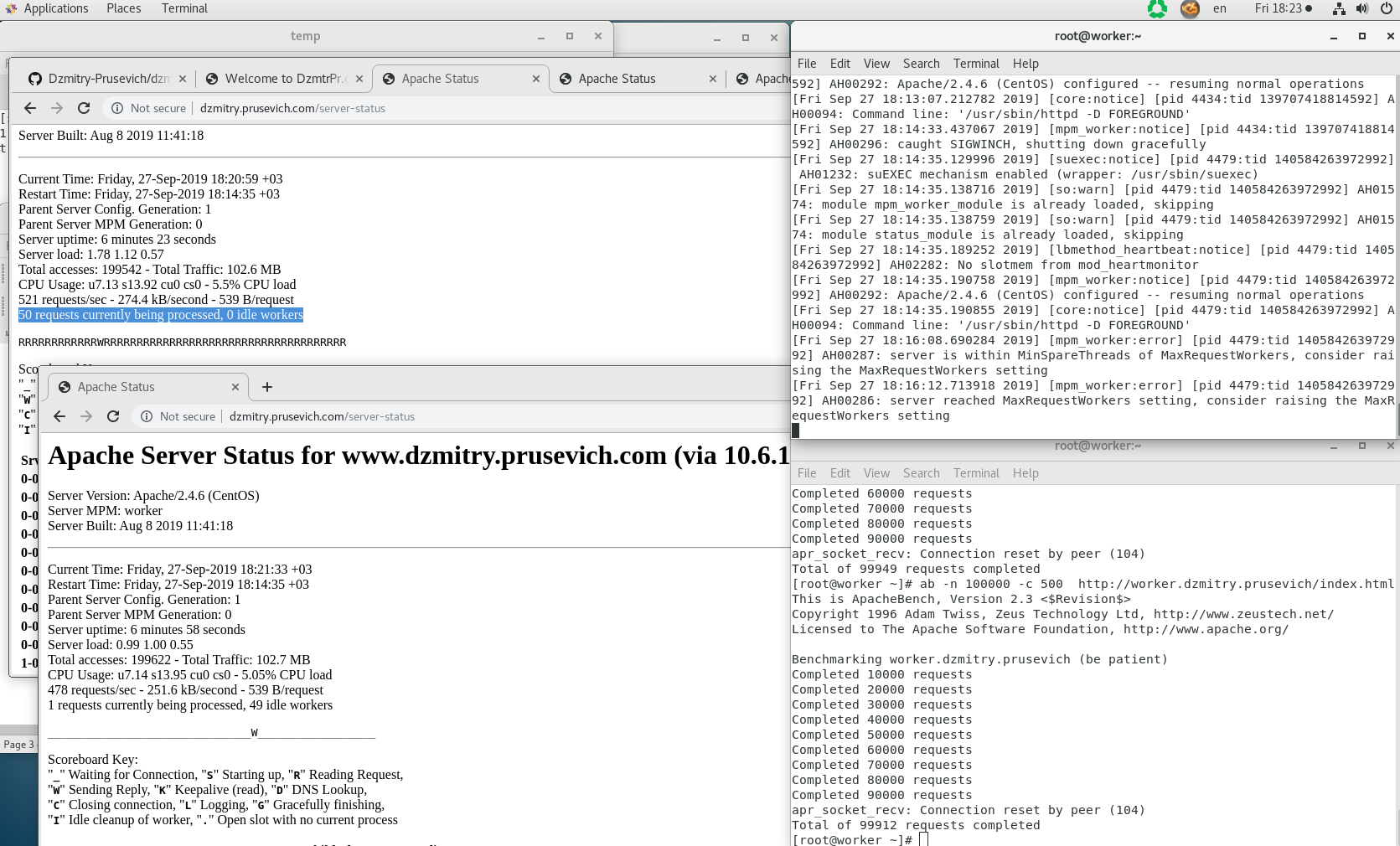
vim /etc/httpd/conf/httpd.conf

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_5.png



ab -n 100000 -c 500 http://worker.dzmitry.prusevich/index.html

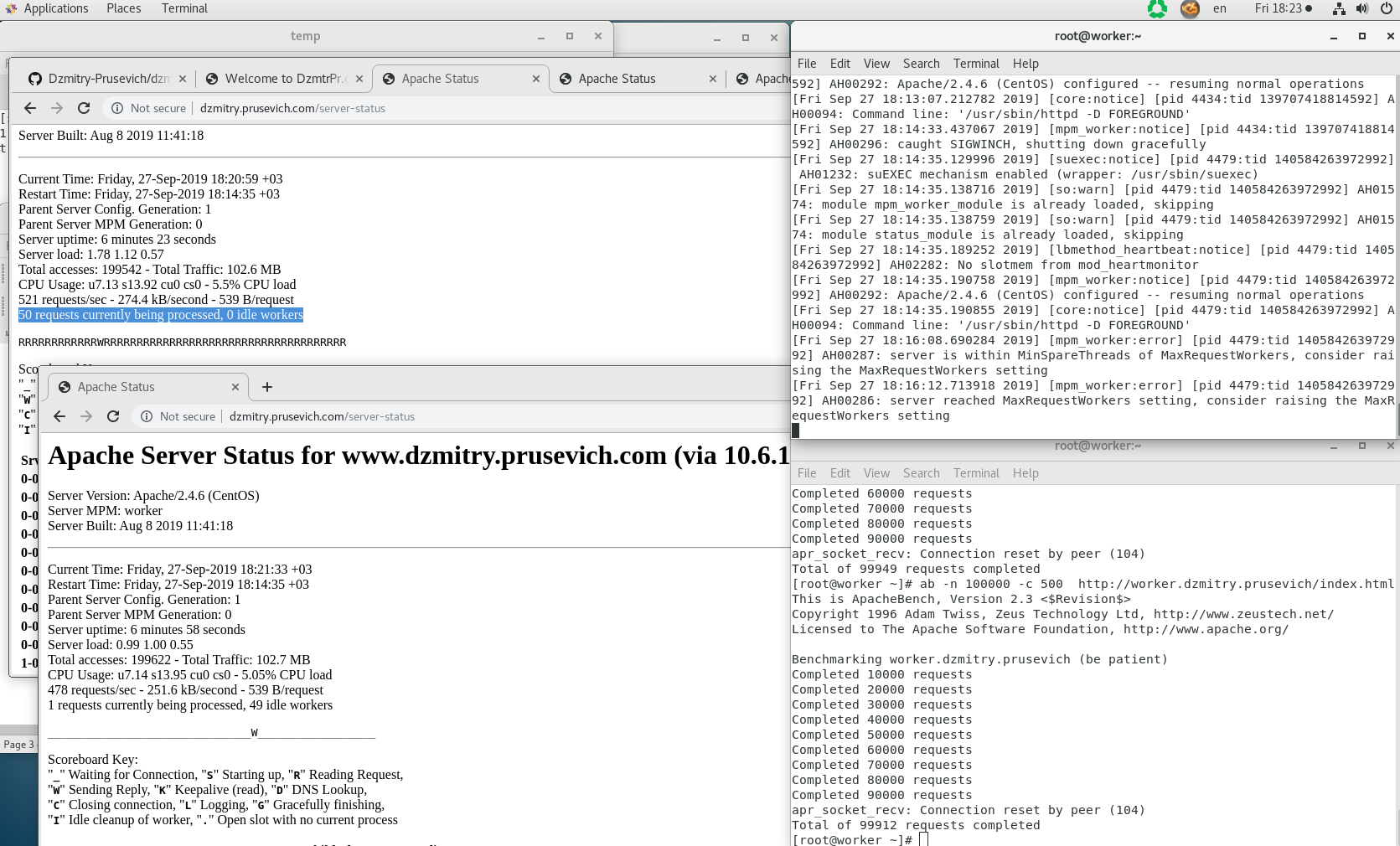
tail -f /var/log/httpd/error\_log

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_4\_1.png

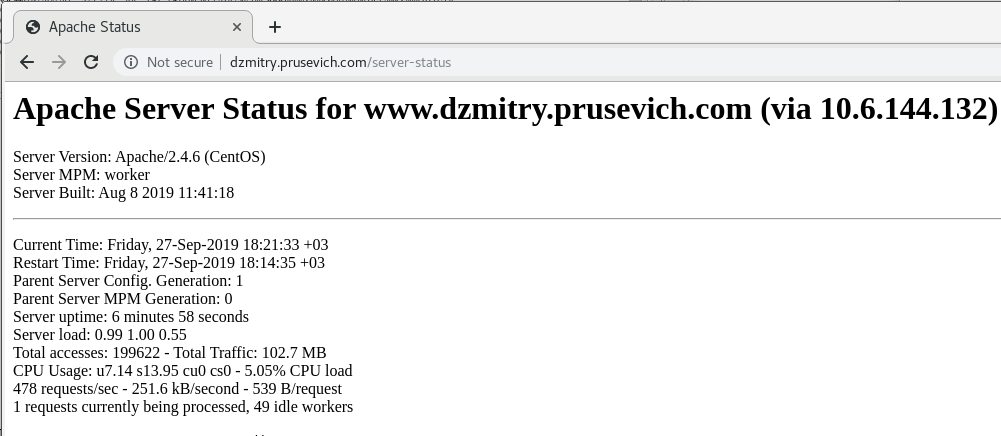
![alt text][logo]

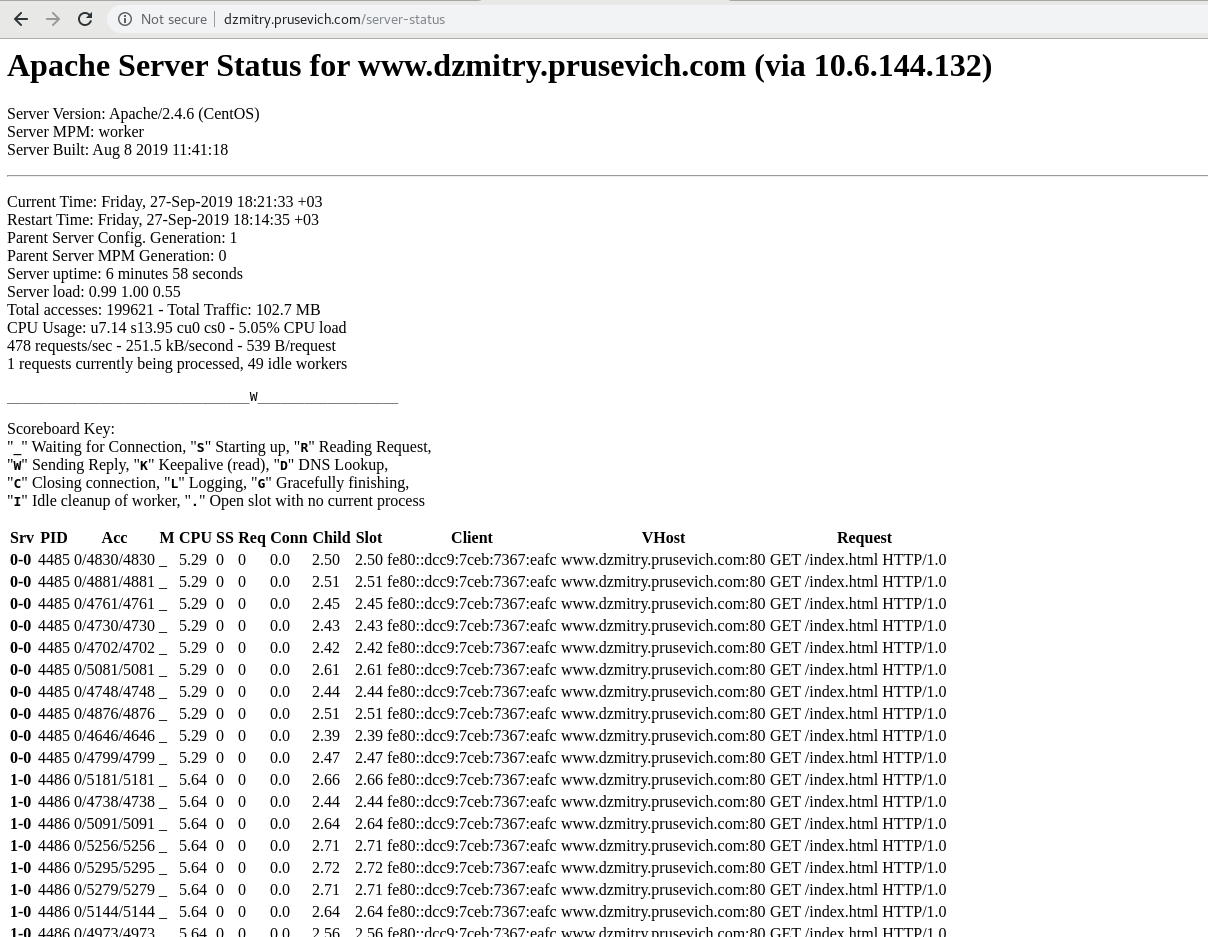
[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_7.png



![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/1\_9.png





###5

Process tree:

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/5\_2.png

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/5\_5.png

###6\_\_\_7\_\_8

Prefork:

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/6\_1.png

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/6\_2.png

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/6\_3.png

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/6\_4.png

###9

Before generating ab-requests

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/9\_1.png

After generating 100 000 requests (up to 500 simultaneously):

Number of processes = 25 ( field - 25 requests currently being processed, 0 idle workers)

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/9\_2.png

### 10

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/10\_1.png

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/

#TASK 2

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/

###1 ----

[root@worker ~]# httpd -M | grep prox

[Fri Sep 27 19:38:29.787566 2019] [so:warn] [pid 5315] AH01574: module mpm\_prefork\_module is already loaded, skipping

[Fri Sep 27 19:38:29.787634 2019] [so:warn] [pid 5315] AH01574: module status\_module is already loaded, skipping

proxy\_module (shared)

proxy\_ajp\_module (shared)

proxy\_balancer\_module (shared)

proxy\_connect\_module (shared)

proxy\_express\_module (shared)

proxy\_fcgi\_module (shared)

proxy\_fdpass\_module (shared)

proxy\_ftp\_module (shared)

proxy\_http\_module (shared)

proxy\_scgi\_module (shared)

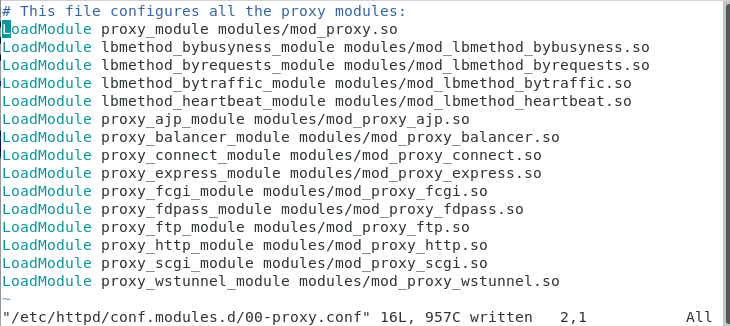
proxy\_wstunnel\_module (shared)

###2-----------

[root@worker ~]# vim /etc/httpd/conf.modules.d/00-proxy.conf

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/5.png



###3\_\_\_4\_\_\_5

vim /etc/httpd/conf.d/frd-proxy.conf

vim /etc/httpd/conf/httpd.conf

[root@forward ~]# htpasswd -c /etc/httpd/conf/.htpasswd Dzmitry\_Prusevich

New password:

Re-type new password:

Adding password for user Dzmitry\_Prusevich

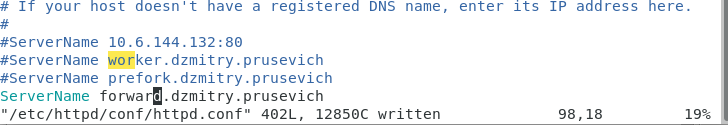
systemctl restart httpd

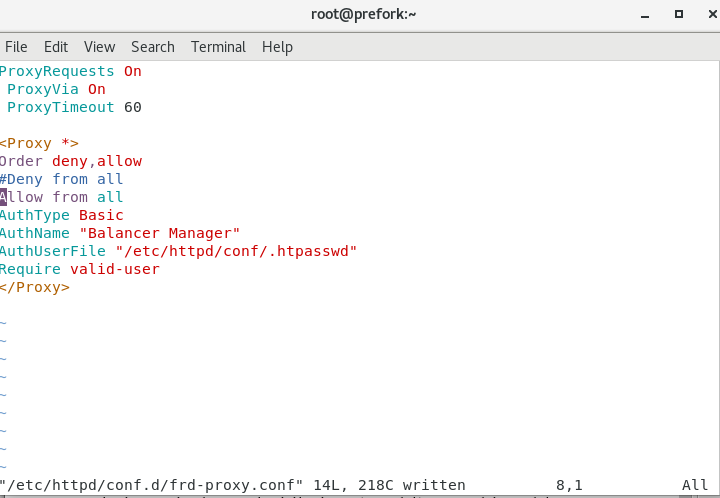
![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/11\_4.png

![alt text][logo]

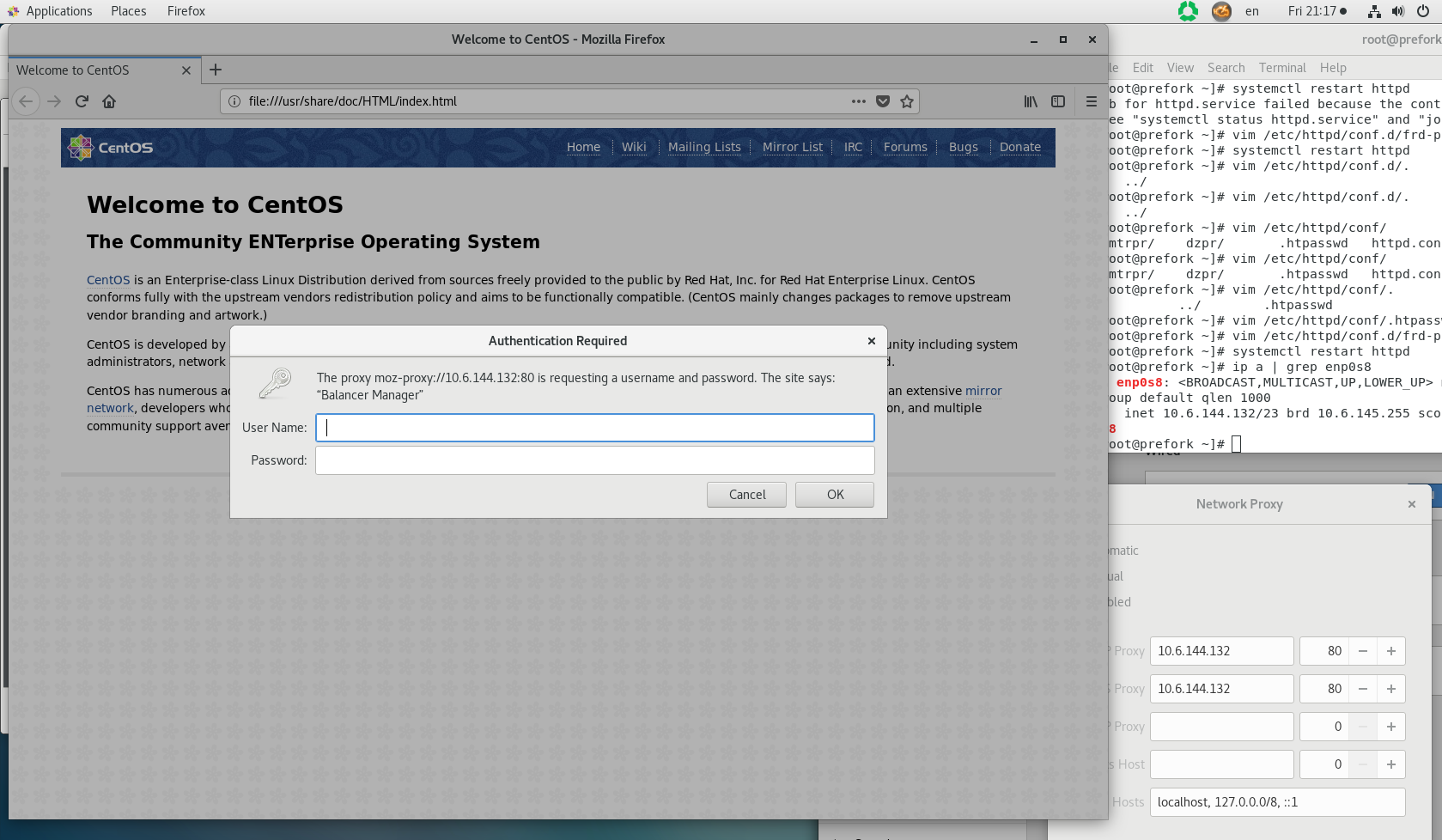
[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/11\_3.png





![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/11\_9.png



### 6

hostnamectl set-hostname reverse.dzmitry.prusevich

vim /etc/httpd/conf/httpd.conf

[root@reverse ~]# systemctl restart httpd

[root@reverse ~]# mv /etc/httpd/conf.d/frd-proxy.conf /etc/httpd/conf.d/frd-proxy.\_c\_onf

[root@reverse ~]# vim /etc/httpd/conf.d/rev-proxy.conf

[root@reverse ~]# systemctl restart httpd

![alt text][logo]

[logo]:https://github.com/Dzmitry-Prusevich/dzmitry\_prusevich\_homework/blob/apache\_day2/11\_11.png

