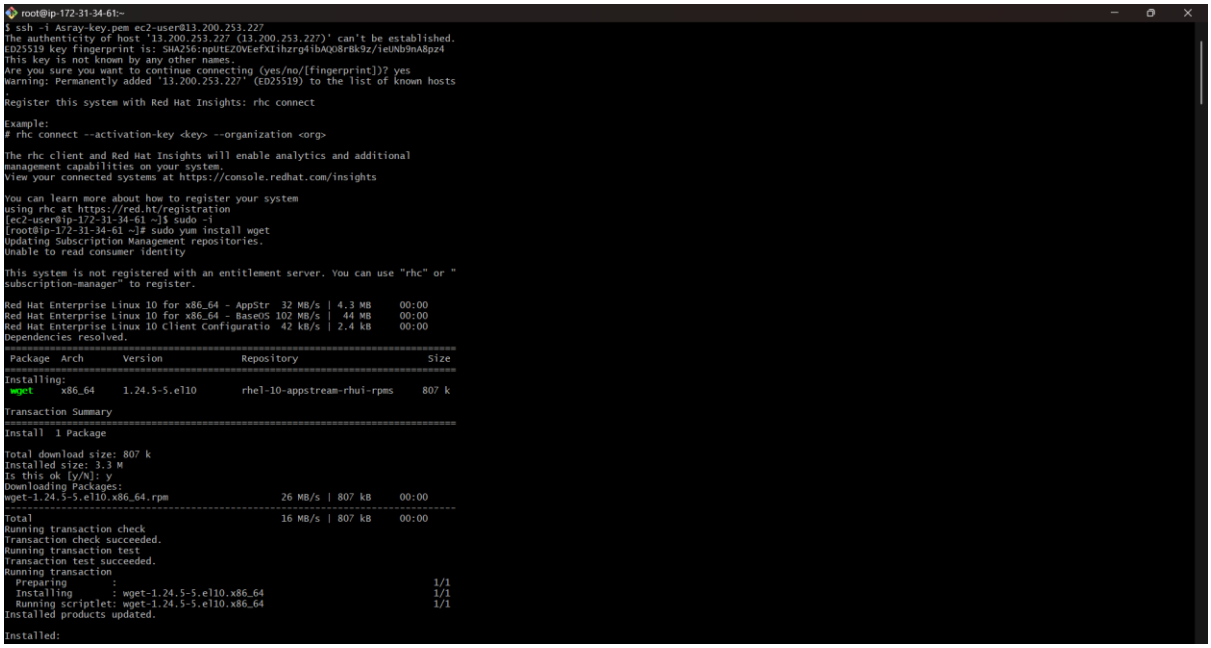
Server tuning

#sudo yum install wget

#sudo wget https://dl-ssl.google.com/dl/linux/direct/mod-pagespeed-stable_current_x86_64.rpm

#sudo yum localinstall mod-pagespeed-*.rpm

#sudo systemctl restart httpd



#b. Frontend Optimization

Even without modules:

Compress and minify CSS, JS, HTML.

Use lazy loading for images.

Use browser caching with .htaccess (Apache):httpd -M | grep pagespeed

<IfModule mod_expires.c>

ExpiresActive On

ExpiresByType image/jpg "access plus 1 year"

ExpiresByType text/css "access plus 1 month"

ExpiresByType application/javascript "access plus 1 month"

</IfModule>

Gzip Compression

Gzip reduces the size of transferred files, improving page load times.

Apache

Enable mod_deflate:

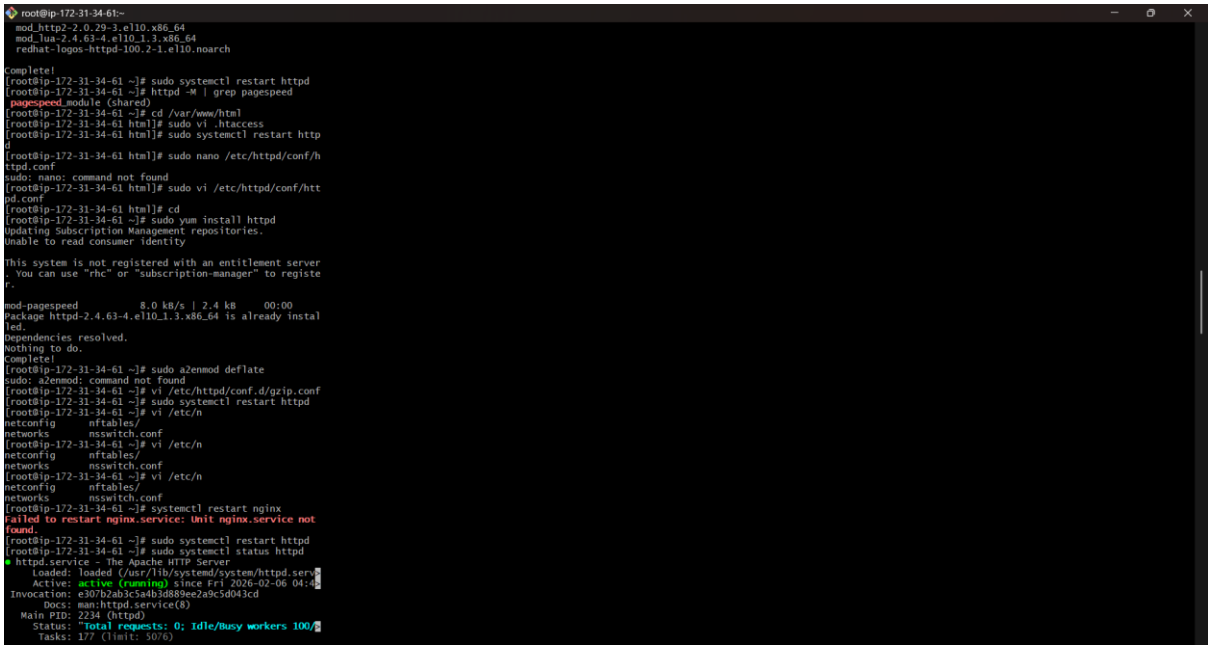
sudo yum install httpd

- Add in Apache config /etc/httpd/conf.d/gzip.conf:

<IfModule mod_deflate.c>

AddOutputFilterByType DEFLATE text/html text/plain text/xml text/css application/javascript application/json

</IfModule>



Tuned Daemon (System Performance Tuning)

tuned is a daemon on RHEL that applies system profiles to optimize performance based on workload.

a. Install & Enable Tuned

sudo yum install tuned

sudo systemctl enable tuned --now

b. List Available Profiles

sudo tuned-adm list

Examples of profiles:

balanced – default, good for most workloads.

throughput-performance – optimize for network or disk throughput.

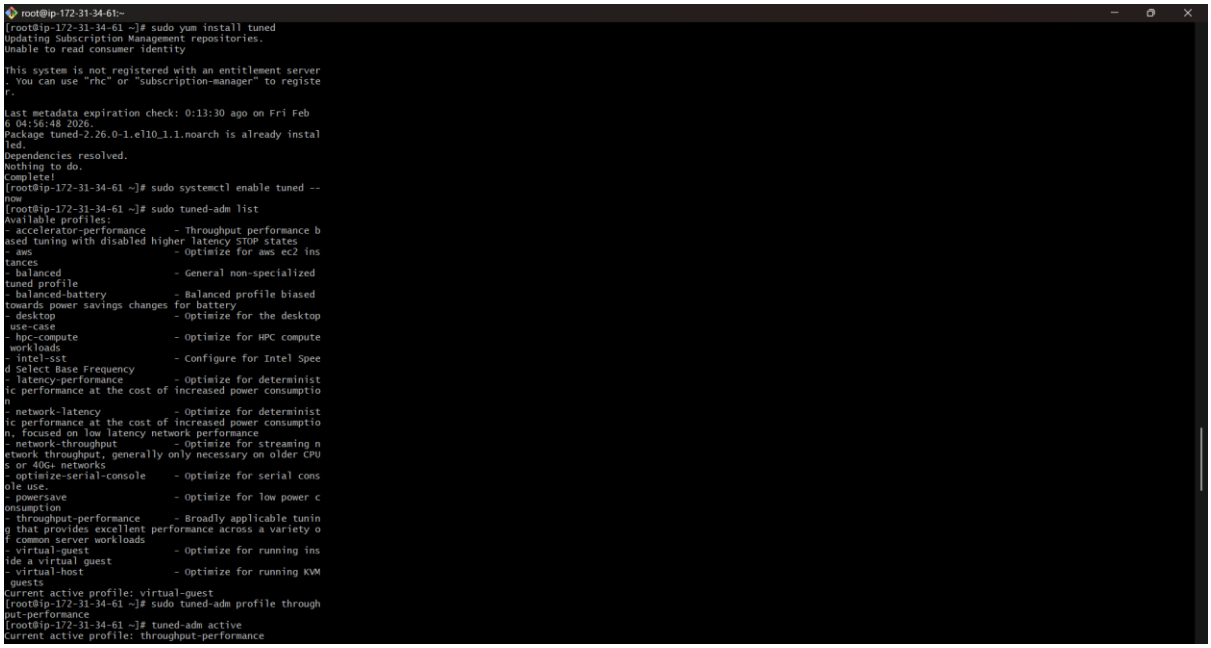
latency-performance – minimize latency for real-time apps.

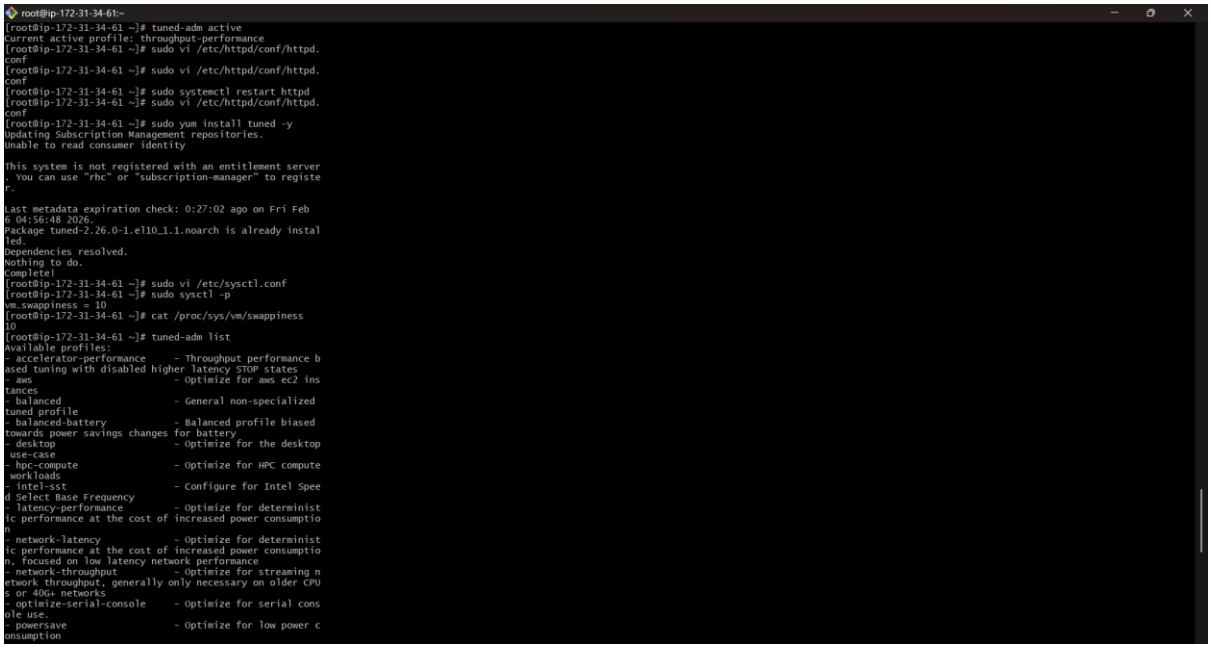
c. Set a Profile

sudo tuned-adm profile throughput-performance

d. Check Active Profile

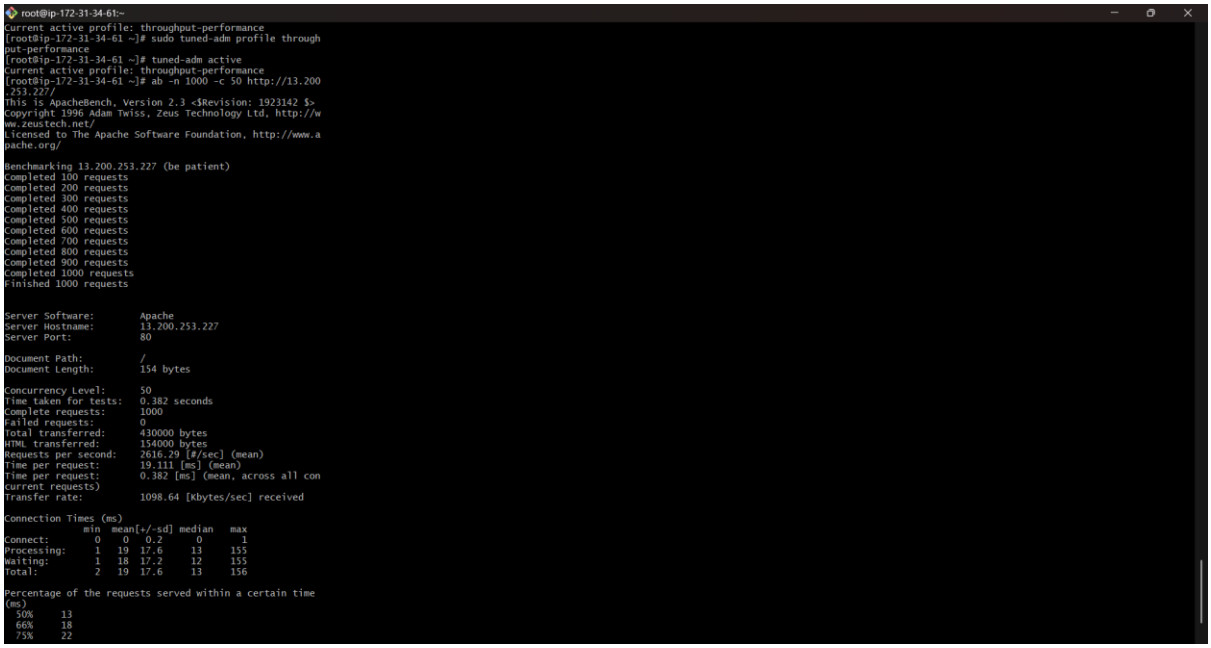
tuned-adm active



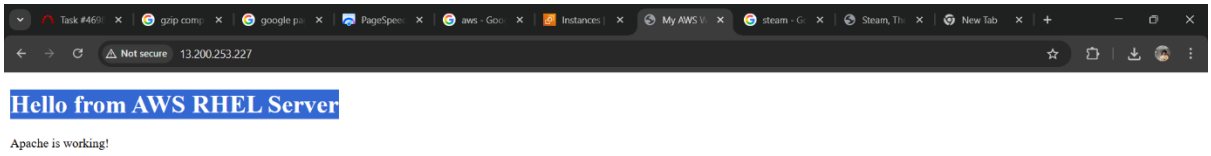


To test

#ab -n 1000 -c 50 http://13.200.253.227/



By searching the ip



Search the page speed