

Tasks:

Extract all unique IP addresses using awk.

Count how many times each IP occurs and sort by frequency (descending).

Using sed, remove all lines containing DEBUG or TRACE.

Replace all timestamps of format YYYY-MM-DD with DATE\_REMOVED.

Save cleaned logs into cleaned.log.

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To cpoy from local system to docker container

docker cp ~/Downloads/server.log 4d5a5bdcfbb7:/server.log

Extract all unique IP addresses using awk.

-> awk '{print \$NF}' server.log | grep -E '([0-9]{1,3}\.){3}[0-9]{1,3}' | sort -u

Count how many times each IP occurs and sort by frequency (descending).

-> awk '{print \$NF}' server.log | grep -E '([0-9]{1,3}\.){3}[0-9]{1,3}' | sort | uniq -c | sort -nr

Using sed, remove all lines containing DEBUG or TRACE.

-> sed -i -e '/DEBUG/d' -e '/TRACE/d' server.log

OR

-> sed -i '/DEBUG/d;/TRACE/d' server.log

Replace all timestamps of format YYYY-MM-DD with DATE\_REMOVED.

-> sed -E 's/[0-9]{4}-[0-9]{2}-[0-9]{2}/DATE\_REMOVED/' server.log > cleaned.log