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apache_httpd_
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https://atl.kr/dokuwiki/doku.php/apache_httpd_%EB%A1%9C%EA%B7%B8_%EB%B6%84%EC%84%9D

Apache HTTPD

request

```
[root@localhost ~]# awk '{print $4}' access_log | cut -d: -f1 | uniq -c
6095 [20/Jan/2013
7281 [21/Jan/2013
6517 [22/Jan/2013
5278 [23/Jan/2013
```

request

```
[root@localhost ~]# grep "23/Jan" access_log | cut -d[ -f2 | cut -d] -f1 |
awk -F: '{print $2":00"}' | sort -n | uniq -c
200 00:00
417 01:00
244 02:00
242 03:00
344 04:00
402 05:00
522 06:00
```

```
[root@localhost ~]# awk -F"[ :[/]" '{print $7"-"$6"-"$5" "$8}' access_log |
sort | uniq -c
172 2021-Dec-13 00
158 2021-Dec-13 01
109 2021-Dec-13 02
142 2021-Dec-13 03
115 2021-Dec-13 04
```

request

```
[root@localhost ~]# grep "23/Jan" access_log | cut -d[ -f2 | cut -d] -f1 |
awk -F: '{print $2":"$3}' | sort -nk1 -nk2 | uniq -c | awk '{ if ($1 > 10)
print $0}'
14 00:08
15 00:09
15 00:15
25 00:22
12 00:44
12 00:45
12 00:52
```

```
22 01:17
22 01:26
16 01:34
11 01:45
14 01:52
13 02:23
```

Request Query

```
#!/bin/bash

##### SETUP #####
LOG_FOLDER=/var/www/vhosts/domain.co.uk/statistics/logs
ACCESS_LOG=$LOG_FOLDER/access_log

HOW_MANY_ROWS=20000

##### FUNCTIONS #####

function title() {
    echo "
-----
$@
-----
"
}

function urls_by_ip() {
    local IP=$1
    tail -5000 $ACCESS_LOG | awk -v ip=$IP ' $1 ~ ip {freq[$7]++} END {for
(x in freq) {print freq[x], x}}' | sort -rn | head -20
}

function ip_addresses_by_user_agent(){
    local USERAGENT_STRING="$1"
    local TOP_20_IPS="`tail -$HOW_MANY_ROWS $ACCESS_LOG | grep
"${USERAGENT_STRING}" | awk '{freq[$1]++} END {for (x in freq) {print
freq[x], x}}' | sort -rn | head -20`"
    echo "$TOP_20_IPS"
}

##### RUN REPORTS #####
```

```
title "top 20 URLs"
TOP_20_URLS="`tail -$HOW_MANY_ROWS $ACCESS_LOG | awk '{freq[$7]++} END {for
(x in freq) {print freq[x], x}}' | sort -rn | head -20`"
echo "$TOP_20_URLS"

title "top 20 URLs excluding POST data"
TOP_20_URLS_WITHOUT_POST="`tail -$HOW_MANY_ROWS $ACCESS_LOG | awk -F"[ ?]"
'{freq[$7]++} END {for (x in freq) {print freq[x], x}}' | sort -rn | head
-20`"
echo "$TOP_20_URLS_WITHOUT_POST"

title "top 20 IPs"
TOP_20_IPS="`tail -$HOW_MANY_ROWS $ACCESS_LOG | awk '{freq[$1]++} END {for
(x in freq) {print freq[x], x}}' | sort -rn | head -20`"
echo "$TOP_20_IPS"

title "top 20 user agents"
TOP_20_USER_AGENTS="`tail -$HOW_MANY_ROWS $ACCESS_LOG | cut -d\ -f12- |
sort | uniq -c | sort -rn | head -20`"
echo "$TOP_20_USER_AGENTS"

title "IP Addresses for Top 3 User Agents"

for ((I=1; I<=3; I++))
do
    UA="`echo "$TOP_20_USER_AGENTS" | head -n $I | tail -n 1 | awk '{$1=""};
print $0}'`"
    echo "$UA"
    echo "~~~~~"
    ip_addresses_by_user_agent "$UA"
    echo "
"
done
```

- Top 20 URLs
- Top 20 URLs exclude POST
- Top 20 Remote IPs
- Top 20 User-Agent

From:
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