

EX.NO:9

DATE:11.09.2024

ANALYZE DIFFERENT TYPES OF SERVERS USING WEBALIZER

AIM:

To analyze the different types of web logs using Webalizer tool.

PROCEDURE:

Step 1: Download Apache web server using- `dnf install httpd`

Step 2: Configure SELINUX to permissive mode

(open `/etc/sysconfig/selinux` Put `SELINUX=permissive`)

Step 3: Start Apache web server using- `systemctl start httpd.service`

Step 4: Create a directory for webalizer using - `mkdir /var/www/html/webalizer`

Step 5: Install webalizer using - `dnf install webalizer`

Step 6: Copy files from `/var/www/usage` to `/var/www/html`

Step 7: Open `/etc/webalizer.conf` file and add the following-

LogFile `/var/log/httpd/access_log`

LogType `clf`

Hostname `localhost`

Output Dir `/var/www/html/webalizer`

Step 8: Save it and then run webalizer

Step 9: Open in web browser <http://localhost/webalizer>

Webalizer

#Instructions to install, configure and run Webalizer on Fedora

#Enter the root password after typing `su`

Step 1:Download Apache web server using- `dnf install httpd`
`dnf install httpd`

Step 2:Configure SELINUX to permissive mode

(open `/etc/sysconfig/selinux` Put `SELINUX=permissive`) `vi`

`/etc/sysconfig/selinux`

Put SELINUX=permissive instead of enforcing

Step 3: Start Apache web server using- systemctl start httpd.service

systemctl enable httpd.service systemctl start httpd.service

Step 4: Create a directory for webalizer using - mkdir /var/www/html/webalizer mkdir /var/www/html/webalizer

Step 5: Install webalizer using - dnf install webalizer dnf install webalizer

```
File Edit View Search Terminal Help
student@fedora:~$ sudo dnf install httpd
[sudo] password for student:
Last metadata expiration check: 0:07:39 ago on Wednesday 09 October 2024 12:04:57 PM.
Package httpd-2.4.62-2.fc39.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
student@fedora:~$ sudo vi /etc/sysconfig/selinux
student@fedora:~$ sudo vi /etc/sysconfig/permissive
student@fedora:~$ sudo systemctl enable httpd.service
student@fedora:~$ sudo systemctl start httpd.service
student@fedora:~$ sudo mkdir /var/www/html/webalizer
mkdir: cannot create directory '/var/www/html/webalizer': File exists
student@fedora:~$ sudo dnf install webalizer
Last metadata expiration check: 0:12:54 ago on Wednesday 09 October 2024 12:04:57 PM.
Package webalizer-2.23_08-23.fc39.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
```

Step 6: Copy files from /var/www/usage to /var/www/html

cp -r /var/www/usage /var/www/html

```
student@fedora:~$ cp * /var/www/usage /var/www/html
cp: -r not specified; omitting directory 'Desktop'
cp: -r not specified; omitting directory 'Documents'
cp: -r not specified; omitting directory 'Downloads'
cp: -r not specified; omitting directory 'Music'
cp: -r not specified; omitting directory 'Pictures'
cp: -r not specified; omitting directory 'Public'
cp: -r not specified; omitting directory 'Templates'
cp: -r not specified; omitting directory 'Videos'
cp: -r not specified; omitting directory '/var/www/usage'
student@fedora:~$
```

Step 7: Open /etc/webalizer.conf file and add the following-

vi /etc/webalizer.conf

#add the following lines

LogFile /var/log/httpd/access_log #This is enabled in newer versions of fedora

LogType clf

Hostname localhost #For this one you can remove comment denoted by '#'

OutputDir /var/www/html/webalizer

Step 8: Save it and then run webalizer

```
student@fedora:~$ sudo vi /etc/webalizer.conf
student@fedora:~$ sudo webalizer
```

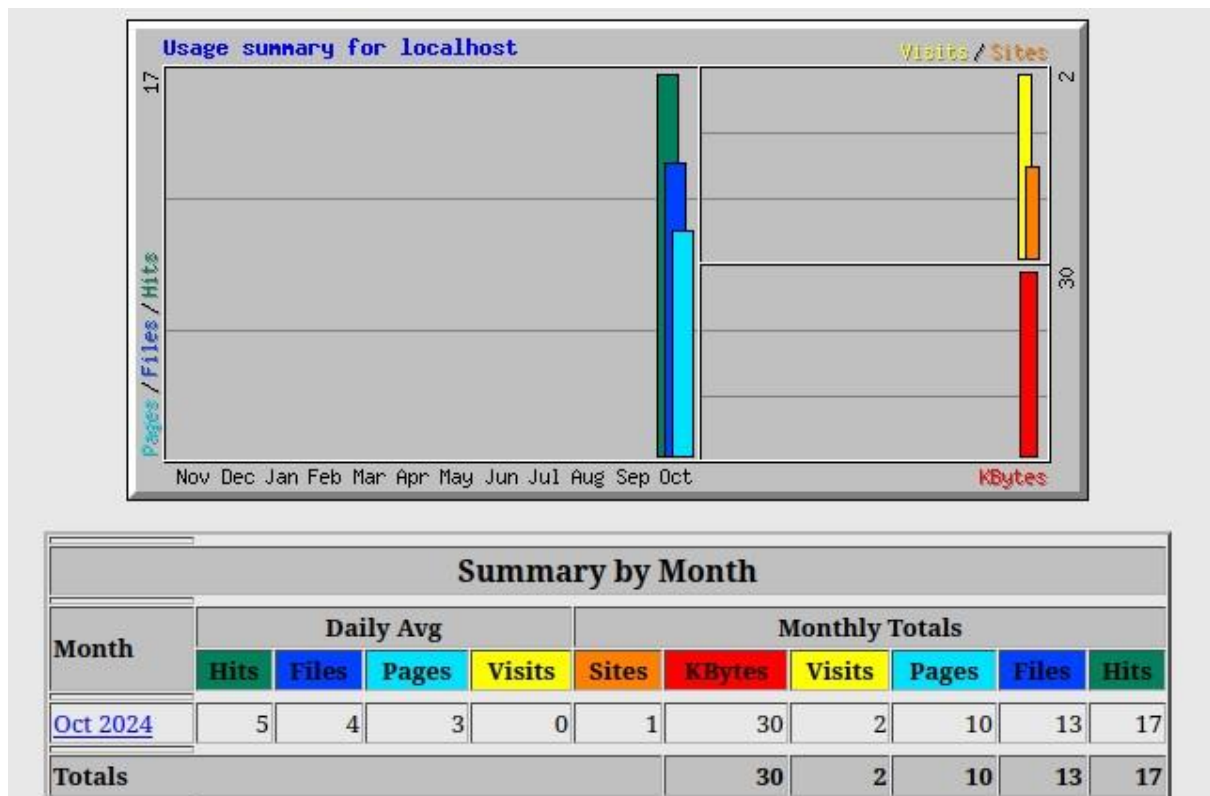
Step 9: Open in web browser <http://localhost/webalizer>

Open in browser <http://localhost/webalizer>

Click Oct.2023 link to get the report for this month

OUTPUT:

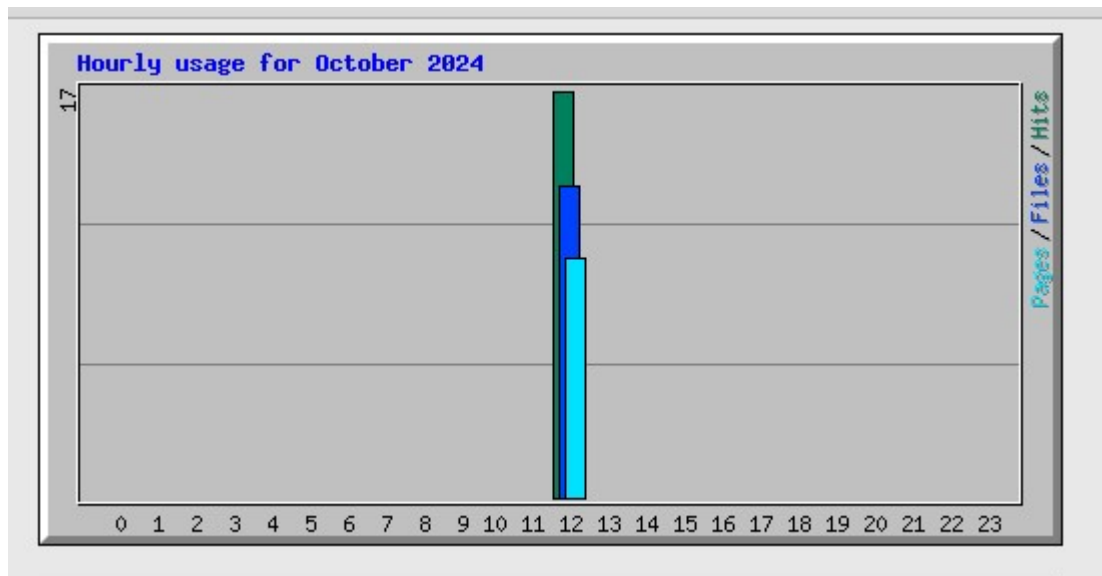
Monthly statistics



Monthly Statistics for October 2024		
Total Hits	17	
Total Files	13	
Total Pages	10	
Total Visits	2	
Total KBytes	30	
Total Unique Sites	1	
Total Unique URLs	5	
Total Unique Referrers	3	
Total Unique User Agents	1	
	Avg	Max
Hits per Hour	0	17
Hits per Day	5	9
Files per Day	4	8
Pages per Day	3	7
Sites per Day	0	1
Visits per Day	0	1
KBytes per Day	10	17
Hits by Response Code		
Code 200 - OK	76.47%	13
Code 301 - Moved Permanently	5.88%	1
Code 403 - Forbidden	11.76%	2
Code 404 - Not Found	5.88%	1

Hosts

Hourly usage



Hourly Statistics for October 2024												
Hour	Hits			Files			Pages			KBytes		
	Avg	Total		Avg	Total		Avg	Total		Avg	Total	
0	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
1	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
2	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
3	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
4	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
5	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
6	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
7	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
8	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
9	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
10	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
11	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
12	5	17	100.00%	4	13	100.00%	3	10	100.00%	10	30	100.00%
13	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
14	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
15	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
16	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
17	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
18	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
19	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
20	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
21	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
22	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%
23	0	0	0.00%	0	0	0.00%	0	0	0.00%	0	0	0.00%

Result:

Thus we successfully analyze the different types of web logs using Webalizer tool.