

Ex No: 9 ANALYZE DIFFERENT TYPES OF SERVERS USING WEBALIZER

Date: 10.10.2024

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>

Instructions to install, configure and run Webalizer on Fedora

#Enter the root password after typing su

Su

1. Download Apache web server using-

`dnf install httpd`
2. Configure SELINUX to permissive mode - (open `/etc/sysconfig/selinux` Put `SELINUX=permissive`)

`vi /etc/sysconfig/selinux`

Put `SELINUX=permissive` instead of enforcing
3. Start Apache web server using- `systemctl start httpd.service`
`systemctl enable httpd.service`

`systemctl start httpd.service`

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

```
mkdir /var/www/html/webalizer
```

5. Install webalizer using - `dnf install webalizer`

```
dnf install webalizer
```

6. Copy files from `/var/www/usage` to `/var/www/html`

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

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
```

8. Save it and then run webalizer
save it and then run

```
Webalizer
```

9. Open in web browser `http://localhost/webalizer`

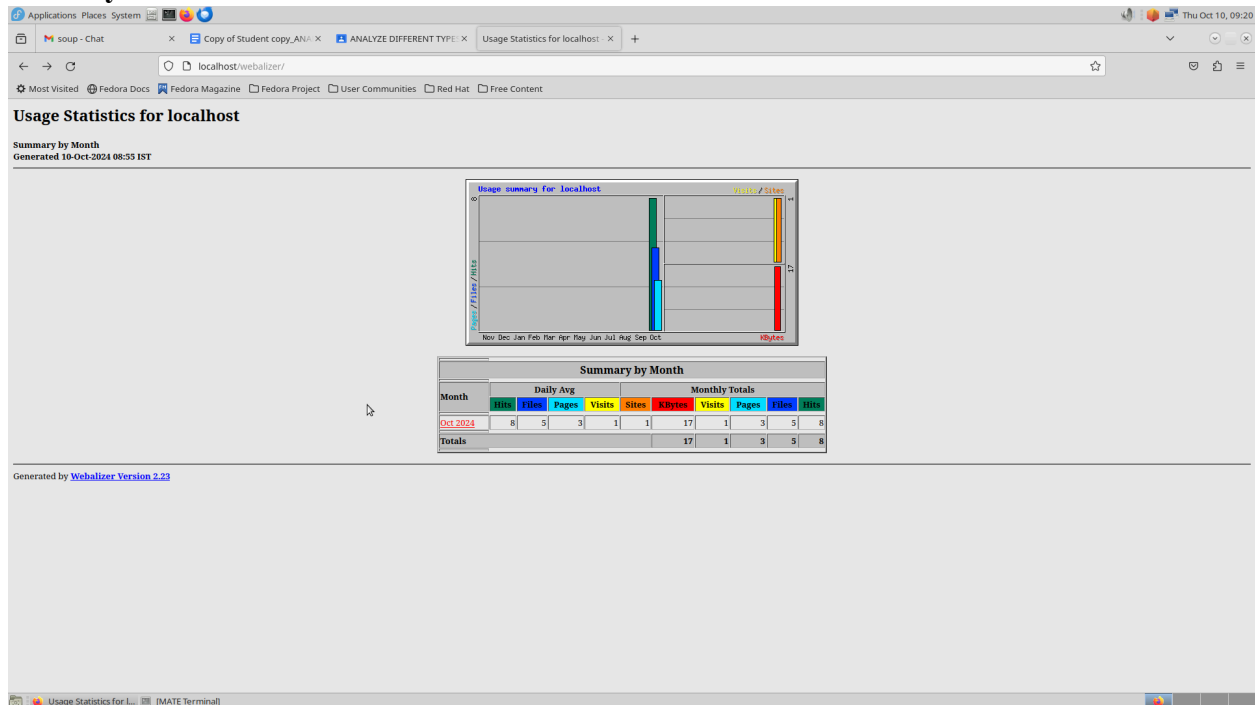
Open in browser `http://localhost/webalizer`

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

Before running webalizer, restart httpd server by typing- `systemctl restart httpd.service`

OUTPUT:

Monthly statistics





Hosts:

March 2004														
Last 12 Months														
Monthly Statistics														
Daily Statistics														
Hourly Statistics														
URLs														
Entry Pages														
Exit Pages														
Errors														
Hosts														
Referrer														
Searches														
Usernames														
Useragents														
Countries														
Top 20 von 171 Rechnern (IP-Adressen)														
#	Anfragen	Dateien	Seiten	kb	Besuche	Dauer	Land	Rechnername						
1	100	6.47%	83	6.51%	46	4.68%	472	4.41%	10	4.27%	8.48	39.85	shawcable.net	
2	72	4.66%	71	5.57%	52	5.30%	86	0.80%	71	30.34%	0.09	6.62	inktomisearch.com	
3	47	3.04%	41	3.22%	43	4.38%	613	5.73%	4	1.71%	3.77	15.10	overture.com	
4	44	2.85%	42	3.30%	23	2.34%	244	2.28%	2	0.85%	4.51	4.70	hevanet.com	
5	35	2.26%	29	2.28%	14	1.43%	218	2.03%	7	2.99%	1.31	6.00	bc.ca	
6	29	1.88%	28	2.20%	14	1.43%	97	0.91%	1	0.43%	3.43	3.43	panduit.com	
7	23	1.49%	14	1.10%	10	1.02%	135	1.26%	1	0.43%	12.35	12.35	geovariances.fr	
8	22	1.42%	22	1.73%	8	0.81%	67	0.63%	1	0.43%	3.72	3.72	cox.net	
9	19	1.23%	19	1.49%	7	0.71%	61	0.57%	1	0.43%	1.52	1.52	ac.il	
10	19	1.23%	11	0.86%	10	1.02%	51	0.48%	2	0.85%	3.04	5.87	netinfo.bg	
11	15	0.97%	14	1.10%	13	1.32%	130	1.22%	3	1.28%	1.29	3.87	e-i.net	
12	13	0.84%	13	1.02%	13	1.32%	120	1.12%	1	0.43%	3.88	3.88	telia.net	
13	13	0.84%	13	1.02%	1	0.10%	28	0.26%	1	0.43%	0.13	0.13	net.ar	
14	13	0.84%	13	1.02%	2	0.20%	30	0.28%	1	0.43%	0.87	0.87	dhl.com	
15	12	0.78%	11	0.86%	9	0.92%	68	0.63%	1	0.43%	25.53	25.53	tiscali.de	
16	12	0.78%	12	0.94%	1	0.10%	27	0.25%	1	0.43%	0.33	0.33	wfbts.org	
17	12	0.78%	12	0.94%	1	0.10%	27	0.25%	1	0.43%	0.10	0.10	qwest.net	
18	11	0.71%	11	0.86%	7	0.71%	41	0.38%	2	0.85%	0.56	1.03	radiant.net	
19	10	0.65%	9	0.71%	7	0.71%	41	0.38%	1	0.43%	1.40	1.40	net.au	
20	10	0.65%	10	0.78%	2	0.20%	61	0.57%	1	0.43%	0.17	0.17	3_343_lt_someone	
Top 10 von 171 Rechnern (IP-Adressen) sortiert nach kb														
#	Anfragen	Dateien	Seiten	kb	Besuche	Dauer	Land	Rechnername						
1	47	3.04%	41	3.22%	43	4.38%	613	5.73%	4	1.71%	3.77	15.10	overture.com	
2	100	6.47%	83	6.51%	46	4.68%	472	4.41%	10	4.27%	8.48	39.85	shawcable.net	
3	44	2.85%	42	3.30%	23	2.34%	244	2.28%	2	0.85%	4.51	4.70	hevanet.com	

Applications Places System

soup - Chat

ANALYZE DIFF

Student copy

Usage Statistics: X

localhost/webalizer/

Most Visited

Fedora Docs

Fedora Magazine

Fedora Project

User Communities

Red Hat

Usage Statistics for localhost

Summary by Month

Generated 10-Oct-2004 08:55 JST

Month	Daily Avg				Monthly Totals			
	Hits	Files	Pages	Visits	Sites	Kbytes	Visits	Pages
Oct 2004	8	5	3	1	1	17	1	3
Totals						17	1	3

Generated by Webalizer Version 2.23

MATE Terminal

```

student@fedora:~$ dnf install httpd
Error: This command has to be run with superuser privileges (under the root user on most systems).
student@fedora:~$ su
Password:
root@fedora:~/home/student# dnf install httpd
Last metadata expiration check: 0:09:02 ago on Thursday 10 October 2024 08:13:42 AM.
Package httpd-2.4.62-2.fc39.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
root@fedora:~/home/student# vi /etc/sysconfig/selinux
root@fedora:~/home/student# vi /etc/sysconfig/selinux
root@fedora:~/home/student# vi /etc/sysconfig/selinux
root@fedora:~/home/student# systemctl enable httpd.service
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service - /usr/lib/systemd/system/httpd.service.
root@fedora:~/home/student# systemctl start httpd.service
root@fedora:~/home/student# mkdir /var/www/html/webalizer
root@fedora:~/home/student# dnf install webalizer
Last metadata expiration check: 0:26:21 ago on Thursday 10 October 2024 08:13:42 AM.
Package webalizer-2.23_08-23.fc39.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
root@fedora:~/home/student# vi /etc/webalizer.conf
root@fedora:~/home/student# webalizer
No valid records found!
root@fedora:~/home/student# sudo systemctl start httpd.service
root@fedora:~/home/student# sudo webalizer
root@fedora:~/home/student#

```

