

Exp No: 9
231901010

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DATE:17.09.2024

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 followingLogFile
`/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

Su

1. Download Apache web server using- `dnf install httpd`

`dnf install httpd`

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`

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

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

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
save it and then run

Webalizer

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

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

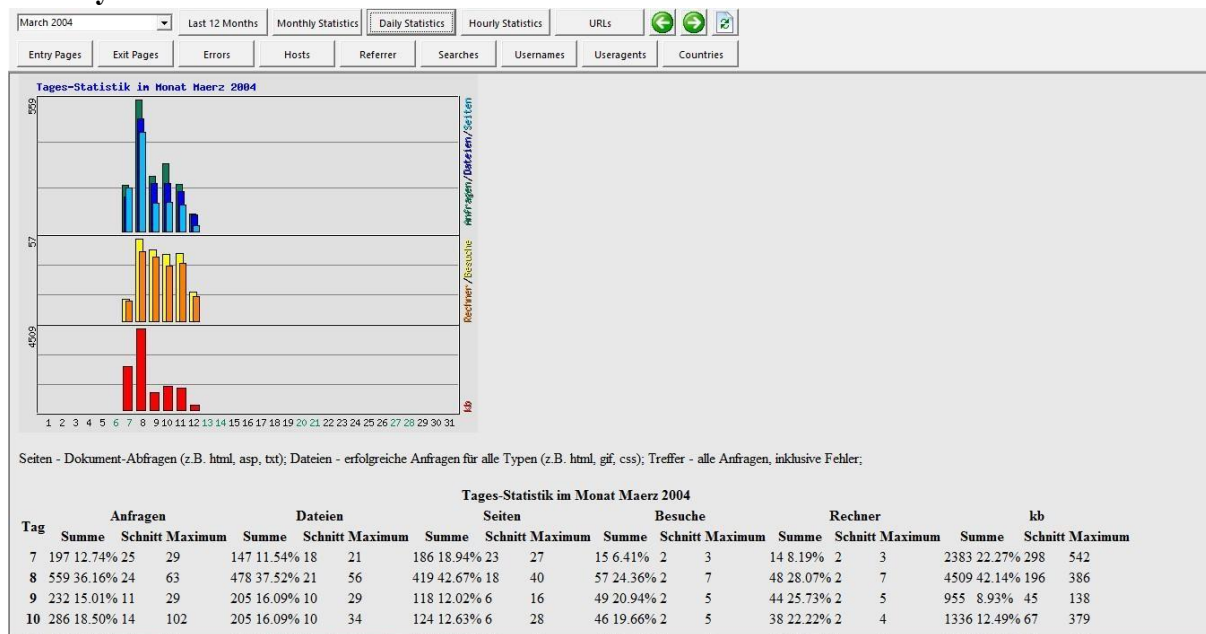
Click Oct.2023 link to get the report for this month

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	wtbts.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				

RESULT:

Apache server using webalizer tools analyzed