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DATE:27.10.25

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EXERCISE 17

TO ANALYZE THE DIFFERENT TYPES OF SERVERS USING WEBLIZERS

AIM:

To analyse web server log files using Webalizer to generate detailed usage statistics and reports for Apache, Nginx, and other web servers, and to identify traffic patterns, visitor behaviour, and server performance.

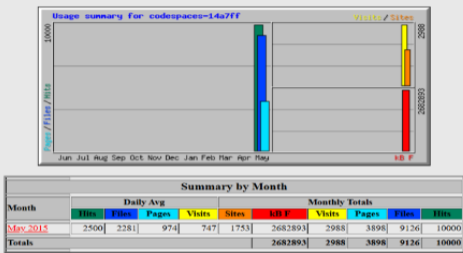
ALGORITHM:

1. **Install Webalizer:** Install the tool using package manager (apt/yum) on Linux/Unix system.
2. **Locate Log Files:** Identify web server log files (Apache at /var/log/httpd/access_log, Nginx at /var/log/nginx/access.log).
3. **Configure Webalizer:** Edit configuration file (/etc/webalizer.conf) to specify log file location, output directory, and hostname.
4. **Create Output Directory:** Create directory where HTML reports will be saved (e.g., /var/www/usage).
5. **Run Webalizer:** Execute command webalizer or webalizer -c configfile to process logs.
6. **Parse and Extract Data:** Tool reads log entries, extracts IP addresses, pages accessed, referrers, browsers, timestamps.
7. **Generate Reports:** Creates HTML pages and graphs showing monthly, daily, hourly statistics with tables and charts.
8. **View Results:** Access generated HTML reports in browser to view traffic statistics and analyses.

OUTPUT:

Usage statistics for codespaces-14a7ff

Summary by Month
Generated 16-Oct-2025 06:11 UTC

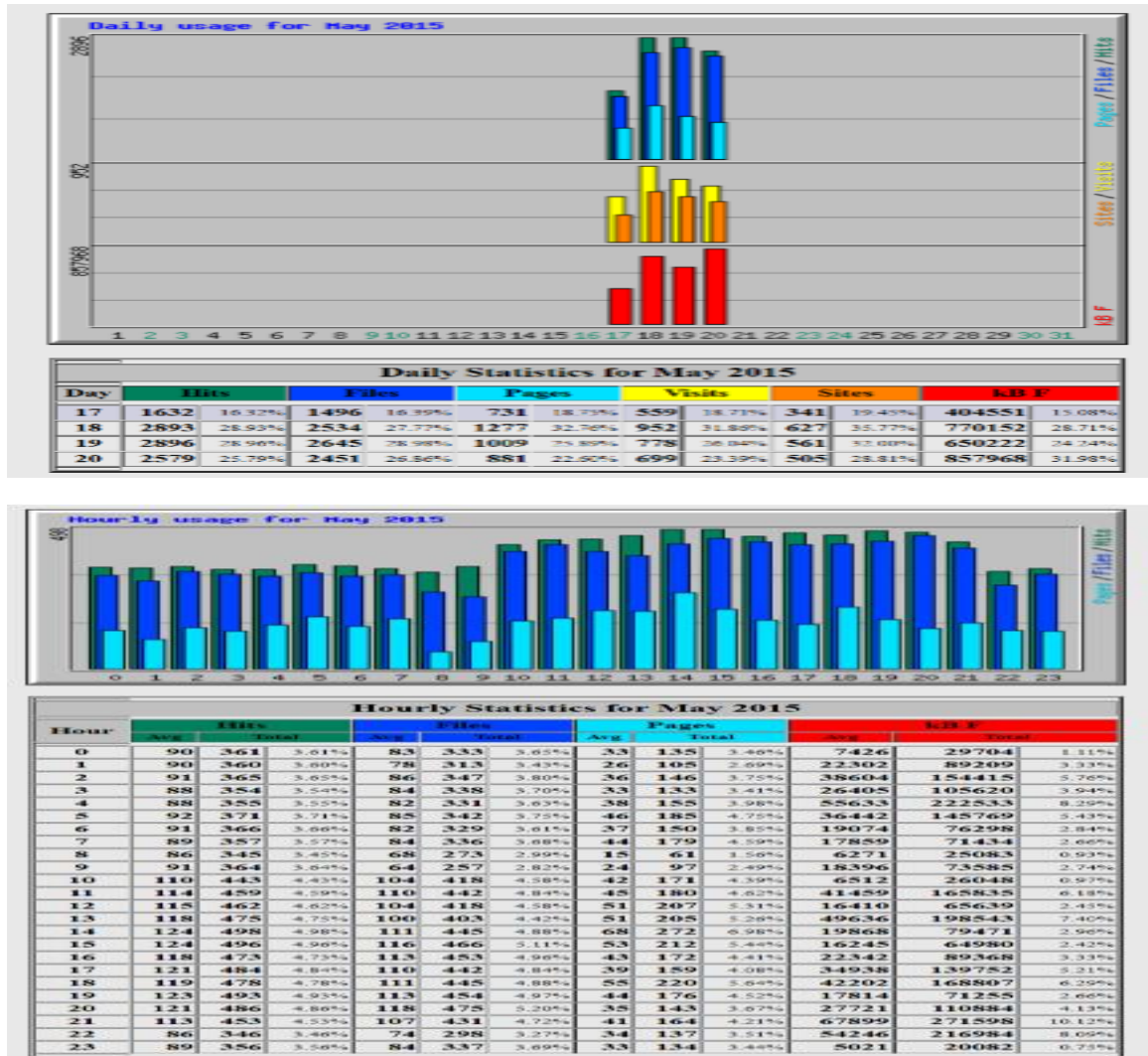


Generated by Webalizer Version 2.23

1. MONTHLY SUMMARY

[Daily Statistics] [Hourly Statistics] [URLs] [Entry] [Exit] [Sites] [Referrers] [Search] [Agents] [Countries]		
Monthly Statistics for May 2015		
Total Hits	10000	
Total Files	9126	
Total Pages	3898	
Total Visits	2988	
Total kB Files	2682893	
Total Unique Sites	1753	
Total Unique URLs	1259	
Total Unique Referrers	404	
Total Unique User Agents	551	
	Avg	Max
Hits per Hour	104	136
Hits per Day	2500	2896
Files per Day	2281	2645
Pages per Day	974	1277
Sites per Day	438	627
Visits per Day	747	952
kB Files per Day	670723	857968
Hits by Response Code		
Code 200 - OK	91.26%	9126
Code 206 - Partial Content	0.45%	45
Code 301 - Moved Permanently	1.64%	164
Code 304 - Not Modified	4.45%	445
Code 403 - Forbidden	0.02%	2
Code 404 - Not Found	2.13%	213
Code 416 - Requested Range Not Satisfiable	0.02%	2
Code 500 - Internal Server Error	0.03%	3

2. DAILY AND HOURLY GRAPHS:



3. TOP URLS

Top 30 of 1259 Total URLs					
#	Hits	kB F		URL	
1	808	8.08%	2803	0.10%	/favicon.ico
2	575	5.75%	18729	0.70%	/
3	546	5.46%	2534	0.09%	/style2.css
4	538	5.38%	523	0.02%	/reset.css
5	489	4.89%	7109	0.26%	/blog/tags/puppet
6	223	2.23%	2641	0.10%	/projects/xdotool/
7	180	1.80%	0	0.00%	/robots.txt
8	154	1.54%	7194	0.27%	/projects/xdotool/xdotool.shtml
9	135	1.35%	2482	0.09%	/articles/dynamic-dns-with-dhcp/
10	77	0.77%	1289	0.05%	/blog/geekery/ssl-latency.html
11	60	0.60%	546	0.02%	/blog/geekery/disabling-battery-in-ubuntu-vms.html
12	60	0.60%	946	0.04%	/blog/tags/firefox
13	55	0.55%	889	0.03%	/articles/sah-security/
14	51	0.51%	536	0.02%	/blog/geekery/solving-good-or-bad-problems.html
15	51	0.51%	1783	0.07%	/presentations/logstash-puppetconf-2012/
16	47	0.47%	23156	0.86%	/images/logstash-CSS-CDN.pdf
17	39	0.39%	341	0.01%	/blog/geekery/installing-windows-8-consumer-preview.html
18	37	0.37%	397	0.01%	/blog/geekery/xvfb-firefox.html
19	37	0.37%	870	0.03%	/presentations/puppet-at-loggly/puppet-at-loggly.pdf.html
20	30	0.30%	545	0.02%	/articles/ppp-over-sah/
21	30	0.30%	479	0.02%	/projects/keynav/
22	28	0.28%	1218	0.05%	/presentations/logstash-scale11x/
23	26	0.26%	1249	0.05%	/presentations/logstash-1/
24	26	0.26%	457	0.02%	/presentations/logstash-metrics-sf-2012-10/
25	25	0.25%	879	0.03%	/blog/
26	25	0.25%	32	0.00%	/presentations/logstash-puppetconf-2012/css/reset.css
27	24	0.24%	1272815	47.44%	/misc/sample.log
28	23	0.23%	286	0.01%	/files/logstash/
29	22	0.22%	339	0.01%	/blog/geekery/debugging-java-performance.html
30	22	0.22%	569	0.02%	/presentations/logstash-puppetconf-2012/css/main.css

4. ENTRY AND EXIT PAGES

Top 10 of 585 Total Entry Pages					
#	Hits		Visits		URL
1	575	5.75%	509	18.12%	/
2	489	4.89%	323	11.50%	/blog/tags/puppet
3	223	2.23%	206	7.33%	/projects/xdotool/
4	135	1.35%	123	4.38%	/articles/dynamic-dns-with-dhcp/
5	77	0.77%	67	2.39%	/blog/geekery/ssl-latency.html
6	60	0.60%	59	2.10%	/blog/geekery/disabling-battery-in-ubuntu-vms.html
7	51	0.51%	50	1.78%	/presentations/logstash-puppetconf-2012/
8	60	0.60%	43	1.53%	/blog/tags/firefox
9	55	0.55%	39	1.39%	/articles/ssh-security/
10	37	0.37%	35	1.25%	/blog/geekery/xvfb-firefox.html

Top 10 of 587 Total Exit Pages					
#	Hits		Visits		URL
1	575	5.75%	488	17.27%	/
2	489	4.89%	323	11.43%	/blog/tags/puppet
3	223	2.23%	203	7.19%	/projects/xdotool/
4	135	1.35%	125	4.42%	/articles/dynamic-dns-with-dhcp/
5	77	0.77%	66	2.34%	/blog/geekery/ssl-latency.html
6	51	0.51%	50	1.77%	/blog/geekery/solving-good-or-bad-problems.html
7	55	0.55%	49	1.73%	/articles/ssh-security/
8	60	0.60%	48	1.70%	/blog/tags/firefox
9	51	0.51%	39	1.38%	/presentations/logstash-puppetconf-2012/
10	37	0.37%	36	1.27%	/presentations/puppet-at-loggly/puppet-at-loggly.pdf.html

5. TOP SITES

Top 30 of 1753 Total Sites							
#	Hits		Files		KB F		Visits
1	482	4.82%	420	4.60%	73731	2.75%	280
2	364	3.64%	364	3.99%	8287	0.20%	220
3	357	3.57%	288	3.16%	42891	1.60%	10
4	273	2.73%	93	1.02%	16739	0.62%	10
5	113	1.13%	113	1.24%	1641	0.06%	94
6	102	1.02%	102	1.12%	2866	0.09%	81
7	99	0.99%	95	1.04%	164192	6.12%	63
8	84	0.84%	56	0.61%	1238	0.03%	36
9	83	0.83%	82	0.90%	858	0.03%	35
10	82	0.82%	82	0.90%	804	0.03%	59
11	74	0.74%	70	0.77%	539	0.02%	36
12	65	0.65%	65	0.71%	669	0.02%	37
13	60	0.60%	0	0.00%	19	0.00%	0
14	60	0.60%	46	0.50%	840	0.03%	34
15	56	0.56%	33	0.36%	22791	0.83%	30
16	52	0.52%	52	0.57%	13587	0.51%	1
17	50	0.50%	48	0.53%	2518	0.09%	5
18	50	0.50%	50	0.55%	13488	0.50%	1
19	43	0.43%	43	0.47%	4627	0.17%	2
20	42	0.42%	41	0.45%	562	0.02%	22
21	41	0.41%	14	0.15%	256	0.01%	20
22	41	0.41%	39	0.43%	461	0.02%	10
23	41	0.41%	14	0.15%	256	0.01%	20
24	40	0.40%	40	0.44%	3092	0.11%	0
25	40	0.40%	39	0.43%	2403	0.09%	2
26	39	0.39%	38	0.42%	2381	0.09%	2
27	39	0.39%	38	0.42%	2384	0.09%	2
28	38	0.38%	37	0.41%	423	0.02%	10
29	38	0.38%	38	0.42%	4266	0.16%	1
30	37	0.37%	35	0.38%	4683	0.17%	2

Top 10 of 1753 Total Sites By KB F							
#	Hits		Files		KB F		Visits
1	99	0.99%	95	1.04%	164192	6.12%	63
2	6	0.06%	6	0.07%	159130	5.93%	3
3	8	0.08%	8	0.09%	107553	4.01%	1
4	6	0.06%	6	0.07%	106123	3.96%	3
5	4	0.04%	4	0.04%	106087	3.95%	2
6	2	0.02%	2	0.02%	106068	3.95%	0
7	482	4.82%	420	4.60%	73731	2.75%	280
8	7	0.07%	7	0.08%	67588	2.52%	1
9	1	0.01%	1	0.01%	63730	2.38%	0
10	4	0.04%	4	0.04%	53103	1.98%	2

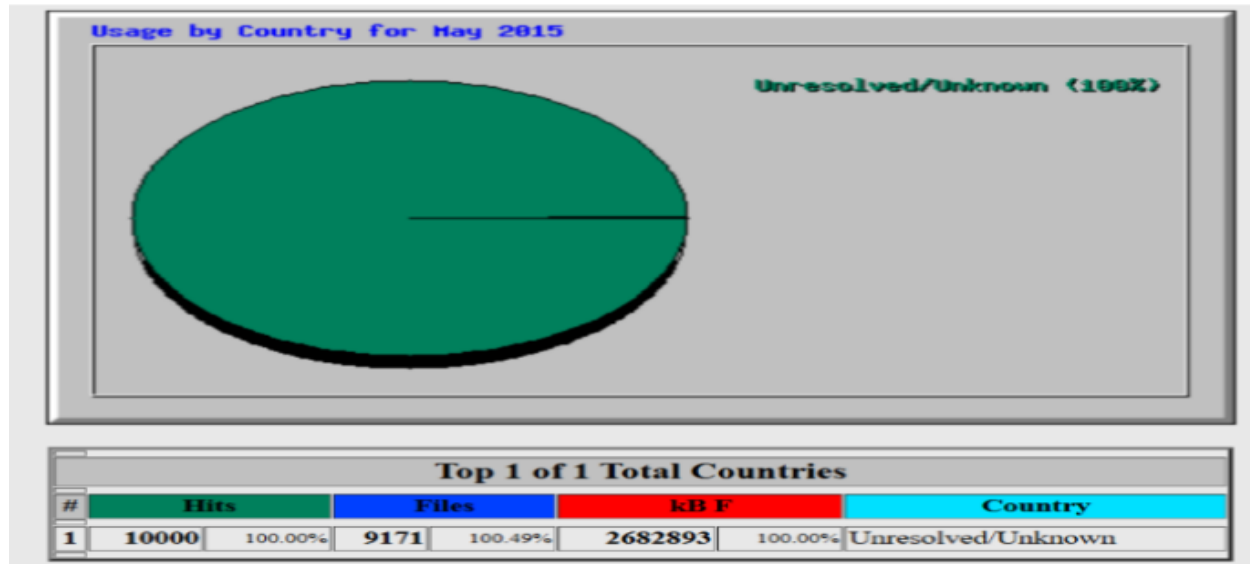
6. TOP REFERENCES

Top 30 of 404 Total Referrers			
#	Hits		Referrer
1	4073	40.73%	- (Direct Request)
2	689	6.89%	http://semicomplete.com/presentations/logstash-puppetconf-2012/
3	658	6.58%	http://www.semicomplete.com/projects/xdotool/
4	406	4.06%	http://semicomplete.com/presentations/logstash-scale11x/
5	335	3.35%	http://www.semicomplete.com/articles/dynamic-dns-with-dhcp/
6	245	2.45%	http://www.semicomplete.com/
7	200	2.00%	http://www.semicomplete.com/style2.css
8	166	1.66%	http://semicomplete.com/
9	148	1.48%	http://semicomplete.com/presentations/logstash-monitorama-2013/
10	144	1.44%	http://www.semicomplete.com/blog/geekery/ssl-latency.html
11	123	1.23%	http://semicomplete.com/presentations/logstash-1/
12	115	1.15%	http://www.semicomplete.com/blog/tags/puppet
13	104	1.04%	https://www.google.com/
14	99	0.99%	http://semicomplete.com/presentations/logstash-metrics-sf-2012.10/
15	78	0.78%	http://www.google.com/url
16	77	0.77%	http://www.semicomplete.com/blog/tags/year-review
17	74	0.74%	http://www.semicomplete.com/files/xdotool/docs/html/
18	65	0.65%	http://www.semicomplete.com/blog/geekery/debugging-java-performance.html
19	65	0.65%	http://www.semicomplete.com/projects/keynav/
20	58	0.58%	http://semicomplete.com/presentations/logstash-puppetconf-2013/
21	56	0.56%	http://www.semicomplete.com/articles/ssh-security/
22	53	0.53%	http://www.semicomplete.com/blog/tags/jquery-mobile
23	49	0.49%	http://www.semicomplete.com/blog/geekery/xvfb-firefox.html
24	47	0.47%	http://www.semicomplete.com/presentations/logstash-pres0-1.0/
25	46	0.46%	http://semicomplete.com/blog/geekery/xvfb-firefox.html
26	45	0.45%	http://www.semicomplete.com/articles/ppp-over-ssh/
27	41	0.41%	http://semicomplete.com/files/logstash/
28	40	0.40%	http://semicomplete.com/presentations/logstash-intro/
29	36	0.36%	http://www.semicomplete.com/files/xdotool/docs/
30	31	0.31%	http://www.google.com/search

7. AGENTS

Top 15 of 551 Total User Agents			
#	Hits		User Agent
1	1044	10.44%	Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/32.0.1700.107 Safari/537.36
2	369	3.69%	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_9_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/33.0.1750.91 Safari/537.36
3	364	3.64%	UniversalFeedParser/4.2-pre-314-svn +http://feedparser.org/
4	296	2.96%	Mozilla/5.0 (Windows NT 6.1; WOW64; rv:27.0) Gecko/20100101 Firefox/27.0
5	271	2.71%	Mozilla/5.0 (iPhone; CPU iPhone OS 6_0 like Mac OS X) AppleWebKit/536.26 (KHTML, like Gecko) Version/6.0 Mobile/10A5376e Safa
6	268	2.68%	Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/32.0.1700.107 Safari/537.36
7	237	2.37%	Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)
8	236	2.36%	Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:27.0) Gecko/20100101 Firefox/27.0
9	229	2.29%	Mozilla/5.0 (X11; Linux x86_64; rv:27.0) Gecko/20100101 Firefox/27.0
10	198	1.98%	Tiny Tiny RSS/1.11 (http://tt-rss.org/)
11	175	1.75%	Mozilla/5.0 (Windows NT 6.3; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/32.0.1700.107 Safari/537.36
12	166	1.66%	Mozilla/5.0 (Macintosh; Intel Mac OS X 10.7; rv:22.0) Gecko/20100101 Firefox/22.0
13	166	1.66%	Mozilla/5.0 (compatible; archive.org_bot +http://www.archive.org/details/archive.org_bot)
14	157	1.57%	Mozilla/5.0 (compatible; Ezooms/1.0; help@moz.com)
15	152	1.52%	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_9_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/32.0.1700.107 Safari/537.36

8. COUNTRIES AND DOMAINS



RESULT:

Webalizer successfully analyses web server logs from Apache, Nginx, ProFTPD, and Squid servers, generating detailed HTML reports showing visitor traffic patterns and server usage. The tool processes large log files quickly (up to 70,000 records per second) and provides actionable insights for server optimisation and traffic understanding.