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Display Apache Server Status with mod_status

Posted by Vivek Gite <vivek@nixcraft.com>

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Q. How do I display Apache server status such as current server activity and performance under Red Hat Enterprise Linux / UNIX / BSD?
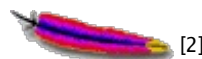
A. You can use regular Linux / UNIX commands such as lsof [3], netstat [4], top, vmstat [5] and others to view apache server activity, status and performance from a shell prompt. However, I **recommend mod_status** because it provides good information about Apache server.

mod_status Apache module

There is also mod_status built into Apache web server to get server status from a web browser. With this module you can easily find out how well your server is preforming. All reports are generated in a html format. You can easily find out following type of information:

1. Total number of worker serving requests
2. Total number of of idle worker
3. Find the status of each worker, the number of requests that worker has performed and the total number of bytes served by the worker
4. Total number byte count served
5. Other information such as CPU usage, number of requests per second,current hosts and requests being processed etc.

How do I configure mod_status to display Apache web server status?

Open your httpd.conf / apache2.conf file:

```
# vi httpd.conf
```

Fnd out (append line) that read as follows to allow access from 10.1.2.5 only:

```
<Location /server-status>
   SetHandler server-status
   Order Deny,Allow
   Deny from all
   Allow from 10.1.2.5
</Location>
```

You can also restrict access using a domain name:

```
<Location /server-status>
   SetHandler server-status
   Order Deny,Allow
   Deny from all
   Allow from w1.g2.dc3.helpdesk.nixcraft.com
</Location>
```

Save and close the file. Restart web server, enter:

```
# service httpd restart
```

Fire a webbrowser and type the url http://your-server-ip/server-status or http://your-corp.com/server-status

Sample Apache Server Status Report

Apache Server Status for www3.corp██████████.com

Server Version: Apache/2.2.8 (Unix)
Server Built: Jan 29 2008 13:13:13

Current Time: Friday, 06-Jun-2008 14:28:28 GMT
Restart Time: Saturday, 31-May-2008 11:05:18 GMT
Parent Server Generation: 6
Server uptime: 6 days 3 hours 23 minutes 10 seconds
Total accesses: 8726682 - Total Traffic: 14117.2 GB
CPU Usage: u21385.7 s122556 cu0 cs0 - 27.1% CPU load
16.4 requests/sec - 27.2 MB/second - 1.7 MB/request
48 requests currently being processed, 144 idle workers

```
_K__R_____R___K_K_____K_K____K_
K_W_____K_K_____O_____K_K____K_C_
_WK__K_R__O___K__O___K_____K_____C_W_
........................................
........................................
........................................
........................................
........................................
........................................
```

Scoreboard Key:
"_" Waiting for Connection, "S" Starting up, "R" Reading Request,
"W" Sending Reply, "K" Keepalive (read), "D" DNS Lookup,
"C" Closing connection, "L" Logging, "G" Gracefully finishing,
"I" Idle cleanup of worker, "." Open slot with no current process

Srv	PID	Acc	M	CPU	SS	Req	Conn	Child	Slot	Client	VHost	Request
0-6	24818	0/265/33508	_	4705.55	133	850	0.0	584.63	54068.81	████████		
0-6	24818	0/285/31974	_	4749.05	34	1110	0.0	276.59	51357.38	██████		
0-6	24818	1/421/32689	K	4800.46	2	3	0.0	305.23	52944.16	██████.179		
0-6	24818	0/355/34815	_	4872.44	154	16	0.0	211.14	53868.41	████.4		
0-6	24818	0/395/27909	_	4747.45	45	131	0.0	579.53	52425.00			

[6]

(Fig.01: Apache mod_status module in action)

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[2] Image: **http://www.cyberciti.biz/faq/faq/category/apache/**

[3] lsof: **http://www.cyberciti.biz/tips/tag/lsof-command**

[4] netstat: **http://www.cyberciti.biz/tips/tag/netstat-command**

[5] top, vmstat: **http://www.cyberciti.biz/tips/linux-resource-utilization-to-detect-system-bottlenecks.html**

[6] Image: **http://www.cyberciti.biz/faq/wp-content/uploads/2008/06/apache-server-status.png**

[7] Apache Web Server Cache Frequently Used Files To Improve Performance:
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