

# ### Task 1

## 1) Worker

a)

CPU[|||||100.0%] Tasks: 31, 71 thr; 1 running  
Mem[|||||193M/973M] Load average: 5.17 3.44 2.08  
Swap[|||||2.51M/2.08G] Uptime: 04:51:47

PID	USER	PR	NI	VI	RES	SHR	S	CPU	MEM	TIME+	Command
38845	apache	20	0	827M	3780	1736	S	0.0	0.4	0:00.01	/usr/sbin/httpd -DFOREGROUND
38858	apache	20	0	827M	3780	1736	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38857	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.09	/usr/sbin/httpd -DFOREGROUND
38856	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38855	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38854	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38853	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38852	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38851	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38850	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.09	/usr/sbin/httpd -DFOREGROUND
38849	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38848	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.08	/usr/sbin/httpd -DFOREGROUND
38821	apache	20	0	827M	3780	1736	S	18.8	0.4	0:01.18	/usr/sbin/httpd -DFOREGROUND
38845	apache	20	0	827M	3780	1736	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38844	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.12	/usr/sbin/httpd -DFOREGROUND
38843	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38842	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38841	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38840	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.12	/usr/sbin/httpd -DFOREGROUND
38839	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38838	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.10	/usr/sbin/httpd -DFOREGROUND
38837	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38836	apache	20	0	827M	3780	1736	S	2.7	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38835	apache	20	0	827M	3780	1736	S	2.7	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38830	apache	20	0	827M	3780	1736	S	18.8	0.4	0:01.18	/usr/sbin/httpd -DFOREGROUND
38834	apache	20	0	827M	3780	1736	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38833	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.10	/usr/sbin/httpd -DFOREGROUND
38832	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.12	/usr/sbin/httpd -DFOREGROUND
38831	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38830	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.10	/usr/sbin/httpd -DFOREGROUND
38829	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.10	/usr/sbin/httpd -DFOREGROUND
38828	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.10	/usr/sbin/httpd -DFOREGROUND
38827	apache	20	0	827M	3780	1736	S	2.7	0.4	0:00.12	/usr/sbin/httpd -DFOREGROUND
38826	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38825	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.10	/usr/sbin/httpd -DFOREGROUND
38824	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.11	/usr/sbin/httpd -DFOREGROUND
38807	apache	20	0	827M	3780	1736	S	18.1	0.4	0:01.62	/usr/sbin/httpd -DFOREGROUND
38819	apache	20	0	827M	3780	1736	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38818	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.15	/usr/sbin/httpd -DFOREGROUND
38817	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.15	/usr/sbin/httpd -DFOREGROUND
38816	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.15	/usr/sbin/httpd -DFOREGROUND
38815	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.15	/usr/sbin/httpd -DFOREGROUND
38814	apache	20	0	827M	3780	1736	S	1.3	0.4	0:00.16	/usr/sbin/httpd -DFOREGROUND
38813	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.16	/usr/sbin/httpd -DFOREGROUND
38812	apache	20	0	827M	3780	1736	S	2.7	0.4	0:00.16	/usr/sbin/httpd -DFOREGROUND
38811	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.16	/usr/sbin/httpd -DFOREGROUND
38810	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.15	/usr/sbin/httpd -DFOREGROUND
38809	apache	20	0	827M	3780	1736	S	2.0	0.4	0:00.15	/usr/sbin/httpd -DFOREGROUND
37979	apache	20	0	827M	5820	1736	S	18.1	0.6	0:02.32	/usr/sbin/httpd -DFOREGROUND
37993	apache	20	0	827M	5820	1736	S	0.0	0.6	0:00.00	/usr/sbin/httpd -DFOREGROUND
37992	apache	20	0	827M	5820	1736	S	2.7	0.6	0:00.25	/usr/sbin/httpd -DFOREGROUND

Безопасность

Мой компьютер

Ubuntu 64-bit

Windows 7 x64

CentOS 7 64-bit

Основа VM

```
[root@localhost conf]# modules.d/18 sh -c '700 -n 200000 -k worker.stslapan.hanchar/
This is apachebench, Version 2.3 <Revision: 1430300 >
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking worker.stslapan.hanchar (be patient)
Completed 20000 requests
Completed 40000 requests
Completed 60000 requests
Completed 80000 requests
Completed 100000 requests
Completed 120000 requests
```

b)

CPU[|||||1.1%] Tasks: 26, 27 thr; 1 running  
Mem[|||||171M/973M] Load average: 2.64 3.09 2.04  
Swap[|||||2.51M/2.08G] Uptime: 04:52:42

PID	USER	PR	NI	VI	RES	SHR	S	CPU	MEM	TIME+	Command
38872	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38886	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38885	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38884	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38883	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38882	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38881	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38880	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38879	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38878	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38877	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38876	apache	20	0	827M	3776	1720	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
37978	apache	20	0	218M	1924	1052	S	0.0	0.3	0:00.00	/usr/sbin/httpd -DFOREGROUND

Безопасность

Мой компьютер

Ubuntu 64-bit

Windows 7 x64

CentOS 7 64-bit

Основа VM

```
[root@localhost conf]# modules.d/18 sh -c '700 -n 200000 -k worker.stslapan.hanchar/
This is apachebench, Version 2.3 <Revision: 1430300 >
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking worker.stslapan.hanchar (be patient)
Completed 20000 requests
Completed 40000 requests
Completed 60000 requests
Completed 80000 requests
Completed 100000 requests
Completed 120000 requests
Completed 140000 requests
Completed 160000 requests
Completed 180000 requests
apr_socket_recv: Connection reset by peer (104)
Total of 199550 requests completed
[root@localhost conf]# modules.d/18 _
```

c)

The screenshot shows a virtual machine interface. On the left, a terminal window displays system statistics:

```

CPU[ 0.7%] Tasks: 26, 27 thr; 1 running
Mem[ 181M/973M] Load average: 0.09 0.78 1.04
Swp[ 1.51M/2.00G] Uptime: 04:47:34

PID USER PRI NI VIRT RES SHR S CPU% MEM% TIME+ Command
37490 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37504 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37503 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37502 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37501 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37500 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37499 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37498 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37497 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37496 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37495 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37494 apache 20 0 378M 5296 1268 S 0.0 0.5 0:00.00 /usr/sbin/httpd -DFOREGROUND
37489 apache 20 0 218M 2920 1052 S 0.0 0.3 0:00.00 /usr/sbin/httpd -DFOREGROUND
  
```

On the right, a file explorer window shows the contents of a configuration file:

```

[root@localhost conf.modules.d]# cat 10-worker.conf
<IfModule worker.c>
    ServerLimit 6
    StartServers 2
    MaxRequestWorkers 50
    MinSpareThreads 5
    MaxSpareThreads 15
    ThreadPerChild 10
    MaxRequestsPerChild 0
</IfModule>

[root@localhost conf.modules.d]# _
  
```

## 2) Prefork

a)

The screenshot shows a virtual machine interface. On the left, a terminal window displays system statistics:

```

CPU[ 0.7%] Tasks: 29, 16 thr; 1 running
Mem[ 171M/973M] Load average: 0.00 0.01 0.05
Swp[ 2.51M/2.00G] Uptime: 05:58:51

PID USER PRI NI VIRT RES SHR S CPU% MEM% TIME+ Command
38295 apache 20 0 218M 2968 1092 S 0.0 0.3 0:00.00 /usr/sbin/httpd -DFOREGROUND
38296 apache 20 0 218M 2968 1092 S 0.0 0.3 0:00.00 /usr/sbin/httpd -DFOREGROUND
38297 apache 20 0 218M 2968 1092 S 0.0 0.3 0:00.00 /usr/sbin/httpd -DFOREGROUND
38298 apache 20 0 218M 2968 1092 S 0.0 0.3 0:00.00 /usr/sbin/httpd -DFOREGROUND
38299 apache 20 0 218M 2968 1092 S 0.0 0.3 0:00.00 /usr/sbin/httpd -DFOREGROUND
  
```

On the right, a file explorer window shows the contents of a configuration file:

```

[root@localhost conf.modules.d]# cat 10-prefork.conf
<IfModule mpm_prefork_module>
    StartServers 5
    MaxRequestWorkers 25
    MinSpareServers 5
    MaxSpareServers 10
    MaxConnectionsPerChild 0
</IfModule>

[root@localhost conf.modules.d]# _
  
```

b)

CPU[|||||||||||||||||||||||||||||||||100.0%] Tasks: 50, 16 thr; 1 running  
Mem[|||||||||||||||||||||||||||||||||200M/973M] Load average: 1.33 0.55 0.25  
Swp[|||||2.76M/2.00G] Uptime: 06:05:21

PID	USER	PRI	NI	VIRT	RES	SHR	S	CPU%	MEM%	TIME+	Command
38390	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.69	/usr/sbin/httpd -DFOREGROUND
38391	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.69	/usr/sbin/httpd -DFOREGROUND
38392	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.69	/usr/sbin/httpd -DFOREGROUND
38393	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.69	/usr/sbin/httpd -DFOREGROUND
38394	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.69	/usr/sbin/httpd -DFOREGROUND
38400	apache	20	0	218M	3736	1804	S	2.7	0.4	0:00.56	/usr/sbin/httpd -DFOREGROUND
38401	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.44	/usr/sbin/httpd -DFOREGROUND
38402	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.43	/usr/sbin/httpd -DFOREGROUND
38403	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.32	/usr/sbin/httpd -DFOREGROUND
38404	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.32	/usr/sbin/httpd -DFOREGROUND
38405	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.32	/usr/sbin/httpd -DFOREGROUND
38406	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.32	/usr/sbin/httpd -DFOREGROUND
38407	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.24	/usr/sbin/httpd -DFOREGROUND
38408	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.24	/usr/sbin/httpd -DFOREGROUND
38409	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.24	/usr/sbin/httpd -DFOREGROUND
38410	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.24	/usr/sbin/httpd -DFOREGROUND
38411	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.25	/usr/sbin/httpd -DFOREGROUND
38412	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.24	/usr/sbin/httpd -DFOREGROUND
38413	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.24	/usr/sbin/httpd -DFOREGROUND
38414	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.24	/usr/sbin/httpd -DFOREGROUND
38415	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.19	/usr/sbin/httpd -DFOREGROUND
38416	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.20	/usr/sbin/httpd -DFOREGROUND
38417	apache	20	0	218M	3736	1804	S	3.3	0.4	0:00.19	/usr/sbin/httpd -DFOREGROUND
38418	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.20	/usr/sbin/httpd -DFOREGROUND
38419	apache	20	0	218M	3736	1804	S	4.0	0.4	0:00.20	/usr/sbin/httpd -DFOREGROUND

Библиотека

CentOS 7 64-bit

Мой компьютер

Ubuntu 64-bit

Windows 7 x64

CentOS 7 64-bit

Общие БМ

```
root@localhost conf.modules.d]# httpd -U | grep -i mpm
Server MPM: prefork
root@localhost conf.modules.d]# cat 10-prefork.conf
<IfModule mpm_prefork_module>
    StartServers 5
    MaxRequestWorkers 25
    MinSpareServers 5
    MaxSpareServers 10
    MaxConnectionsPerChild 0
</IfModule>
root@localhost conf.modules.d]# ab -c 850 -n 200000 -k prefork.stsiapan.hanchar/
This is ApacheBench, Version 2.3 <Revision: 1430300>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking prefork.stsiapan.hanchar (be patient)
Completed 20000 requests
Completed 40000 requests
Completed 60000 requests
Completed 80000 requests
Completed 100000 requests
Completed 120000 requests
```

c)

CPU[|||||||||||||||||||||||||||||0.7%] Tasks: 34, 16 thr; 1 running  
Mem[|||||||||||||||||||||||||||||174M/973M] Load average: 1.01 0.73 0.34  
Swp[|||||3.00M/2.00G] Uptime: 06:06:34

PID	USER	PRI	NI	VIRT	RES	SHR	S	CPU%	MEM%	TIME+	Command
38430	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38427	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38420	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.00	/usr/sbin/httpd -DFOREGROUND
38419	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.40	/usr/sbin/httpd -DFOREGROUND
38416	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.41	/usr/sbin/httpd -DFOREGROUND
38415	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.40	/usr/sbin/httpd -DFOREGROUND
38402	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.64	/usr/sbin/httpd -DFOREGROUND
38401	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.64	/usr/sbin/httpd -DFOREGROUND
38394	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.89	/usr/sbin/httpd -DFOREGROUND
38392	apache	20	0	218M	3736	1804	S	0.0	0.4	0:00.89	/usr/sbin/httpd -DFOREGROUND

Библиотека

CentOS 7 64-bit

Мой компьютер

Ubuntu 64-bit

Windows 7 x64

CentOS 7 64-bit

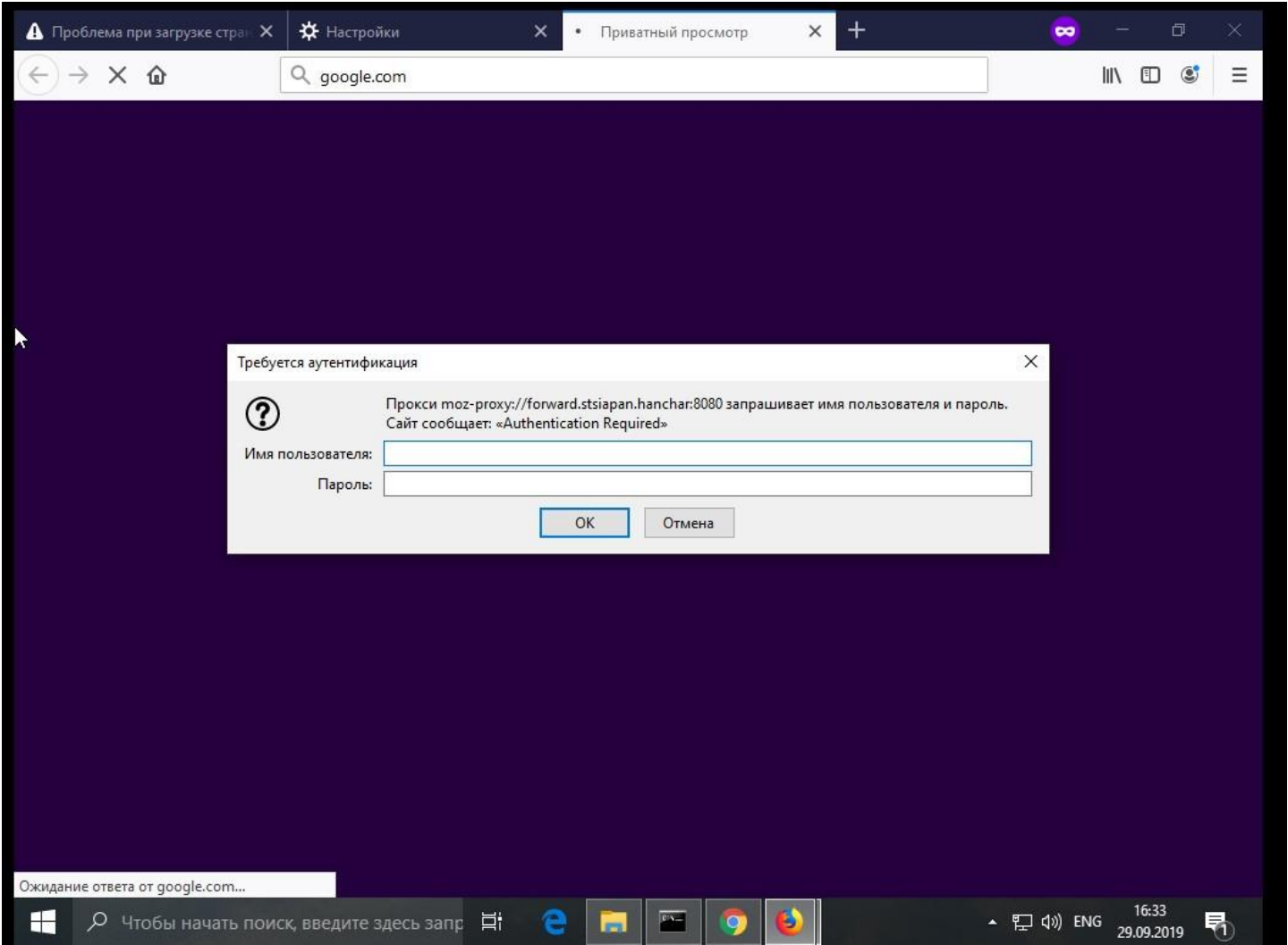
Общие БМ

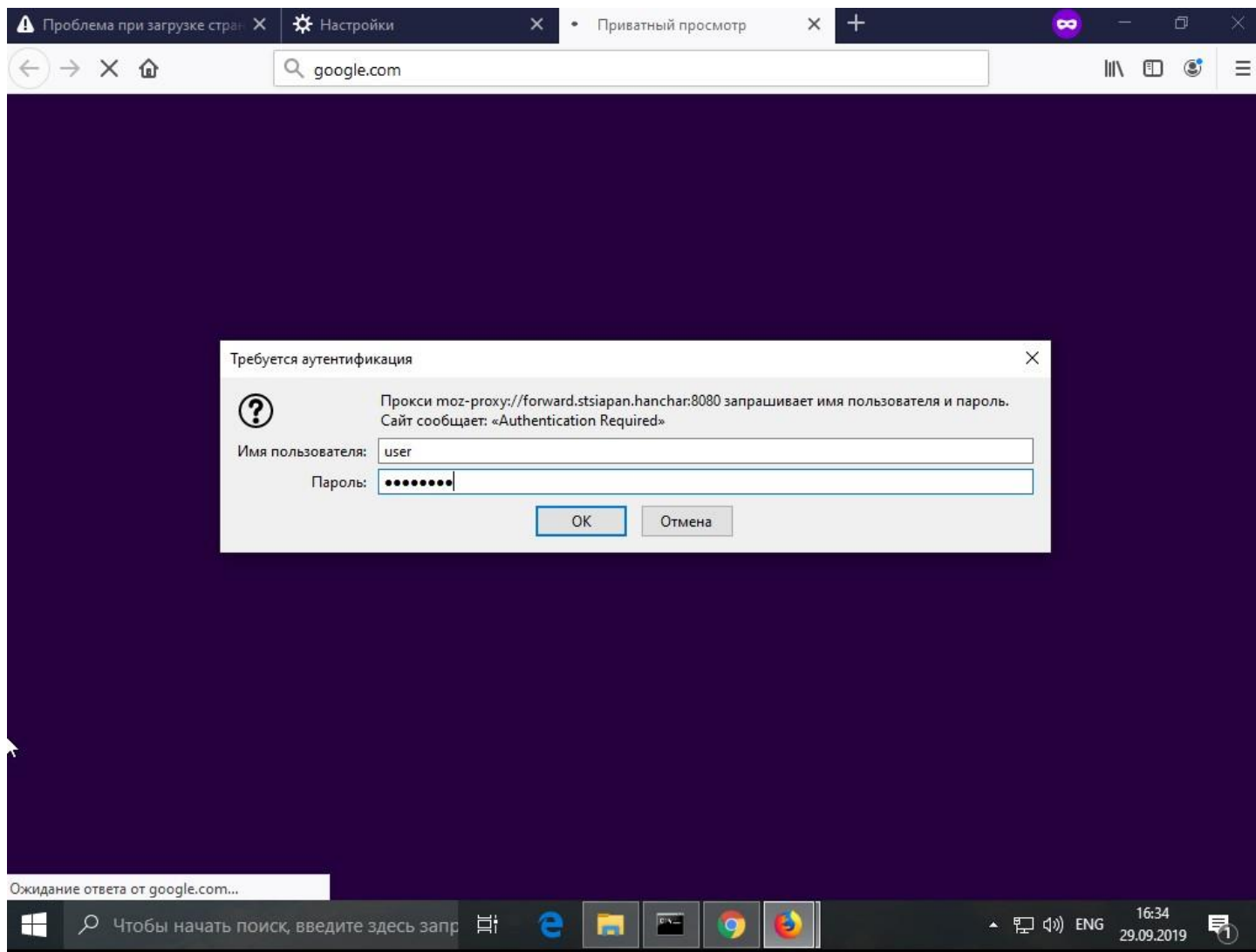
```
root@localhost conf.modules.d]# httpd -U | grep -i mpm
Server MPM: prefork
root@localhost conf.modules.d]# cat 10-prefork.conf
<IfModule mpm_prefork_module>
    StartServers 5
    MaxRequestWorkers 25
    MinSpareServers 5
    MaxSpareServers 10
    MaxConnectionsPerChild 0
</IfModule>
root@localhost conf.modules.d]# ab -c 850 -n 200000 -k prefork.stsiapan.hanchar/
This is ApacheBench, Version 2.3 <Revision: 1430300>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking prefork.stsiapan.hanchar (be patient)
Completed 20000 requests
Completed 40000 requests
Completed 60000 requests
Completed 80000 requests
Completed 100000 requests
Completed 120000 requests
Completed 140000 requests
Completed 160000 requests
Completed 180000 requests
apr_socket_recv: Connection reset by peer (104)
Total of 199211 requests completed
root@localhost conf.modules.d]#
```

Task 2

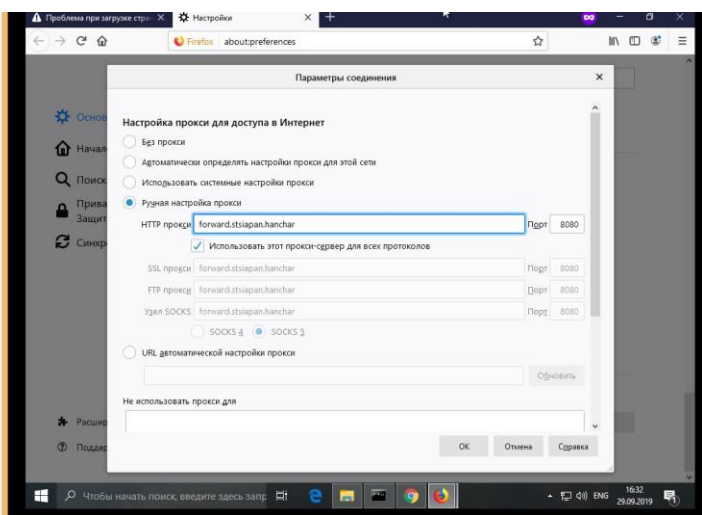
1) Forward proxy





```
last login: Sun Sep 29 09:22:41 2019 from 192.168.0.100
[root@localhost ~]# ls
anaconda-ks.cfg
[root@localhost ~]# cat /etc/httpd/conf.d/forward_proxy.conf
<VirtualHost *:8080>
    ProxyRequests On
    ProxyVia On

    <Proxy *>
        AuthType Basic
        AuthName "Authentication Required"
        AuthUserFile "/etc/httpd/conf/.passwd"
        Require valid-user
        Order allow,deny
        Allow from all
    </Proxy>
</VirtualHost>
[root@localhost ~]#
```





## 2) Reverse proxy

```
[root@localhost conf.d]#  
[root@localhost conf.d]#  
[root@localhost conf.d]# cat /etc/httpd/conf.d/reverse.conf  
<VirtualHost *:80>  
ProxyPreserveHost On  
ProxyPass / http://mail.ru/  
ProxyPassReverse / http://mail.ru/  
</VirtualHost>  
[root@localhost conf.d]#  
[root@localhost conf.d]# hostname  
localhost.localdomain  
[root@localhost conf.d]# uname -a  
Linux localhost.localdomain 3.10.0-1062.1.1.el7.x86_64 #1 SMP Fri Sep 13 22:55:44 UTC 2019 x86_64  
x86_64 GNU/Linux  
[root@localhost conf.d]# cat /etc/re  
dhat-release resolv.conf  
[root@localhost conf.d]# cat /etc/redhat-release  
CentOS Linux release 7.7.1908 (Core)
```

Ubuntu 64-bit - VMware Workstation

Виртуальная машина Вкладки Справка

```
root@ubuntu:~# curl -v 192.168.0.106  
* Expire in 0 ms for 5 (transfer 0x55790ad085c0)  
* Trying 192.168.0.106...  
* TCP_NODELAY set  
* Expire in 200 ms for 4 (transfer 0x55790ad085c0)  
* Connected to 192.168.0.106 (192.168.0.106) port 80 (#0)  
> GET / HTTP/1.1  
> Host: 192.168.0.106  
> User-Agent: curl/7.64.0  
> Accept: */*  
>  
< HTTP/1.1 301 Moved Permanently  
< Date: Sun, 29 Sep 2019 16:09:08 GMT  
< Server: nginx/1.14.1  
< Content-Type: text/html; charset=UTF-8  
< Content-Length: 185  
< Location: https://mail.ru/  
< X-XSS-Protection: 1; mode=block; report=https://cspreport.mail.ru/xssprotection  
< X-Content-Type-Options: nosniff  
<  
<html>  
<head><title>301 Moved Permanently</title></head>  
<body bgcolor="white">  
<center><h1>301 Moved Permanently</h1></center>  
<h2><center>nginx/1.14.1</center>  
</body>  
</html>  
* Connection #0 to host 192.168.0.106 left intact  
root@ubuntu:~#
```

Ubuntu 64-bit  
CentOS 7 64-bit  
Windows 10 x64  
Общие БМ

