
Subject: *SOLVED* apache2: access denied
Posted by [ggonzalez](#) on Tue, 04 Sep 2007 19:31:02 GMT
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Hi,

I have been struggling with the following problem for a couple of days. I have run out of ideas to solve it.

Here is the situation:

I have a VE configured with veth interface, with apache2 freshly installed. infrahn01 is the HN and infravs01 is the VE.

```
root@infravs01:~# uname -a
Linux infravs01.integra.com.py 2.6.18-ovz028stab039.1-enterprise #1 SMP Tue Jul 24 12:28:02
MSD 2007 i686 GNU/Linux
```

```
root@infravs01:~# dpkg -l|grep apache
ii apache2-mpm-prefork      2.2.3-4+etch1          Traditional model for Apache HTTPD
2.1
ii apache2-utils            2.2.3-4+etch1          utility programs for web servers
ii apache2.2-common        2.2.3-4+etch1          Next generation, scalable, extendable
web se
ii libapache2-mod-php4     4.4.4-8+etch3          server-side, HTML-embedded scripting
languag
```

```
root@infravs01:~# ip a l
1: lo: <LOOPBACK,UP,10000> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
3: venet0: <BROADCAST,POINTOPOINT,NOARP> mtu 1500 qdisc noop
    link/void
5: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc noqueue
    link/ether 00:0c:29:19:45:6d brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.241/32 scope global eth0
```

```
root@infravs01:~# ip r l
default dev eth0 scope link
```

```
root@infravs01:~# iptables -L
```

Chain INPUT (policy ACCEPT)

target prot opt source destination

Chain FORWARD (policy ACCEPT)

target prot opt source destination

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

root@infravs01:~# iptables -t nat -L

Chain PREROUTING (policy ACCEPT)

target prot opt source destination

Chain POSTROUTING (policy ACCEPT)

target prot opt source destination

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

infracn01:~# ip a l

2: lo: <LOOPBACK,UP,10000> mtu 16436 qdisc noqueue

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

inet6 ::1/128 scope host

valid_lft forever preferred_lft forever

4: sit0: <NOARP> mtu 1480 qdisc noop

link/sit 0.0.0.0 brd 0.0.0.0

6: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc pfifo_fast qlen 1000

link/ether 00:50:8d:83:09:35 brd ff:ff:ff:ff:ff:ff

inet 10.0.0.231/24 brd 10.0.0.255 scope global eth0

inet6 fe80::250:8dff:fe83:935/64 scope link

valid_lft forever preferred_lft forever

8: eth1: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc pfifo_fast qlen 1000

link/ether 00:06:4f:4a:37:e8 brd ff:ff:ff:ff:ff:ff

inet 192.168.254.1/24 brd 192.168.254.255 scope global eth1

inet6 fe80::206:4fff:fe4a:37e8/64 scope link

valid_lft forever preferred_lft forever

7: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,10000> mtu 1500 qdisc noqueue

link/void

9: veth101.0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc noqueue

link/ether 00:0c:29:19:45:6c brd ff:ff:ff:ff:ff:ff

inet6 fe80::20c:29ff:fe19:456c/64 scope link

valid_lft forever preferred_lft forever

infracn01:~# ip r l

```
10.0.0.241 dev veth101.0 scope link
10.0.0.0/24 dev eth0 proto kernel scope link src 10.0.0.231
192.168.254.0/24 dev eth1 proto kernel scope link src 192.168.254.1
default via 10.0.0.203 dev eth0
```

```
infracore01:~# iptables -L
Chain INPUT (policy ACCEPT)
target prot opt source destination
```

```
Chain FORWARD (policy ACCEPT)
target prot opt source destination
```

```
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

```
infracore01:~# iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target prot opt source destination
```

```
Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
```

```
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
```

I can successfully ping and resolve names to my network's hosts, both way.

```
root@infracore01:~# netstat -a|grep www
tcp6      0      0 *:www          *:*            LISTEN
```

My apache2 configurations are the standard one after installation, plus the following:

```
root@infracore01:~# more /etc/apache2/conf.d/gosa.conf
# Configuration for GOsa using php4.
```

```
# Set alias to gosa
Alias /gosa /usr/share/gosa/html
<Directory /usr/share/gosa/html>
```

```
Order Deny,Allow
Deny from all
Allow from all
</Directory>
```

All directories and files pointed to by these configurations are owned by root:root, and have these permissions:

```
root@infravs01:~# ls -al /var/www
drwxr-xr-x  3 root root 1024 2007-08-31 15:35 .
drwxr-xr-x 14 root root 1024 2007-08-31 15:35 ..
drwxr-xr-x  2 root root 1024 2007-08-31 15:35 apache2-default
root@infravs01:~# ls -al /var/www/apache2-default/
drwxr-xr-x  2 root root 1024 2007-08-31 15:35 .
drwxr-xr-x  3 root root 1024 2007-08-31 15:35 ..
-rw-r--r--  1 root root 2205 2005-12-14 13:25 apache_pb22_ani.gif
-rw-r--r--  1 root root 2410 2005-12-14 13:25 apache_pb22.gif
-rw-r--r--  1 root root 1502 2005-12-14 13:25 apache_pb22.png
-rw-r--r--  1 root root 2326 2004-11-20 17:16 apache_pb.gif
-rw-r--r--  1 root root 1385 2004-11-20 17:16 apache_pb.png
-rw-r--r--  1 root root   44 2004-11-20 17:16 index.html
root@infravs01:~# l /usr/share/gosa/
drwxr-xr-x  2 root root 1024 2007-08-31 15:35 bin
drwxr-xr-x  3 root root 1024 2007-08-31 15:35 doc
drwxr-xr-x  5 root root 1024 2007-08-31 15:35 html
drwxr-xr-x  3 root root 1024 2007-08-31 15:35 ihtml
drwxr-xr-x  3 root root 3072 2007-08-31 15:35 include
drwxr-xr-x  9 root root 1024 2007-08-31 15:35 locale
drwxr-xr-x  8 root root 1024 2007-08-31 15:35 plugins
```

From another machine in the network, I point my mozilla browser to:

<http://infravs01.integra.com.py/>

and i get:

Forbidden

You don't have permission to access / on this server.

Apache/2.2.3 (Debian) PHP/4.4.4-8+etch3 mod_ssl/2.2.3 OpenSSL/0.9.8c Server at infravs01.integra.com.py Port 80

The /var/log/apache2/error.log shows:

```
[Tue Sep 04 15:05:21 2007] [error] [client 10.0.0.220] (13)Permission denied: access to /doc/
denied
```

```
[Tue Sep 04 15:12:35 2007] [error] [client 10.0.0.220] (13)Permission denied: access to / denied
```

I installed this same version of apache2 in a VMware virtual server. The same apache2.conf and others .conf. Same permissions, etc. And it works. So my guess is that there is something in VZ or my VZ configuration precluding apache2 from working.

I would greatly appreciate any help.

Best regards,
Gustavo.

Subject: Re: apache2: access denied
Posted by [ggonzalez](#) on Wed, 05 Sep 2007 13:15:39 GMT
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I have looked and looked, and can't find a good reason why apache2 is not willing to serve the pages. Although it says that it is forbidden to access these pages, it is not. It is the standard configuration, where the root of the site (/var/www) has Allow from all. And, when tried this same installation procedure on another machine (either real or VMware), apache2 serves those pages correctly.

I have even created a new VE, with venet (not veth), and the results are the same.

Is somebody in this forum using apache2 within a VE?
What special tricks are needed for this to work?

Thanks a lot for any help.

Best regards,
Gustavo.

Subject: Re: apache2: access denied
Posted by [ggonzalez](#) on Wed, 05 Sep 2007 16:32:53 GMT
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I finally found the source of the problem!

Inside the VE, the root directory of the server (/) had 700 as its permissions. I don't know why.

I opened this (chmod 755 /), and everything worked as it should.

I don't recall having set this in the template.

Is this something that vzctl is doing when creating a new VE?

Regards,
Gustavo.
