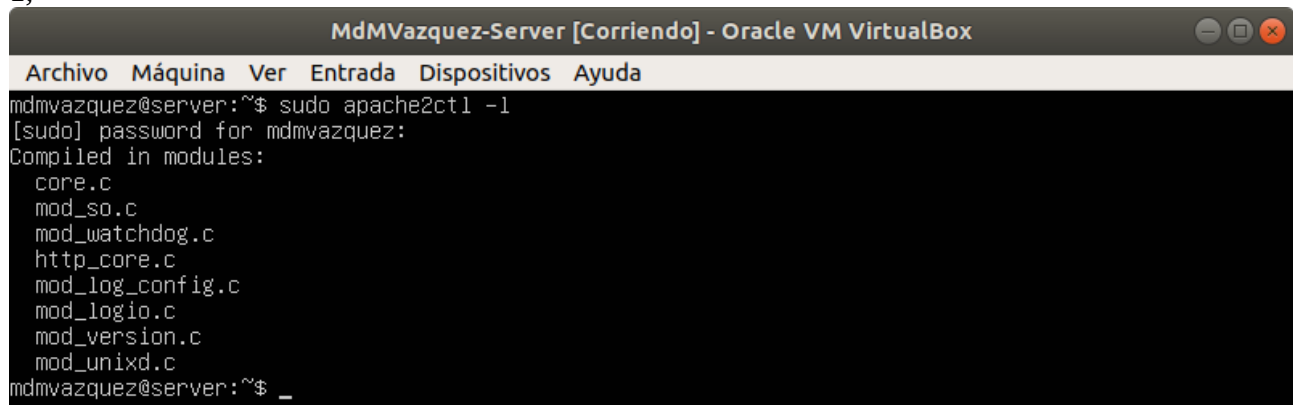


Actividad 1

1,

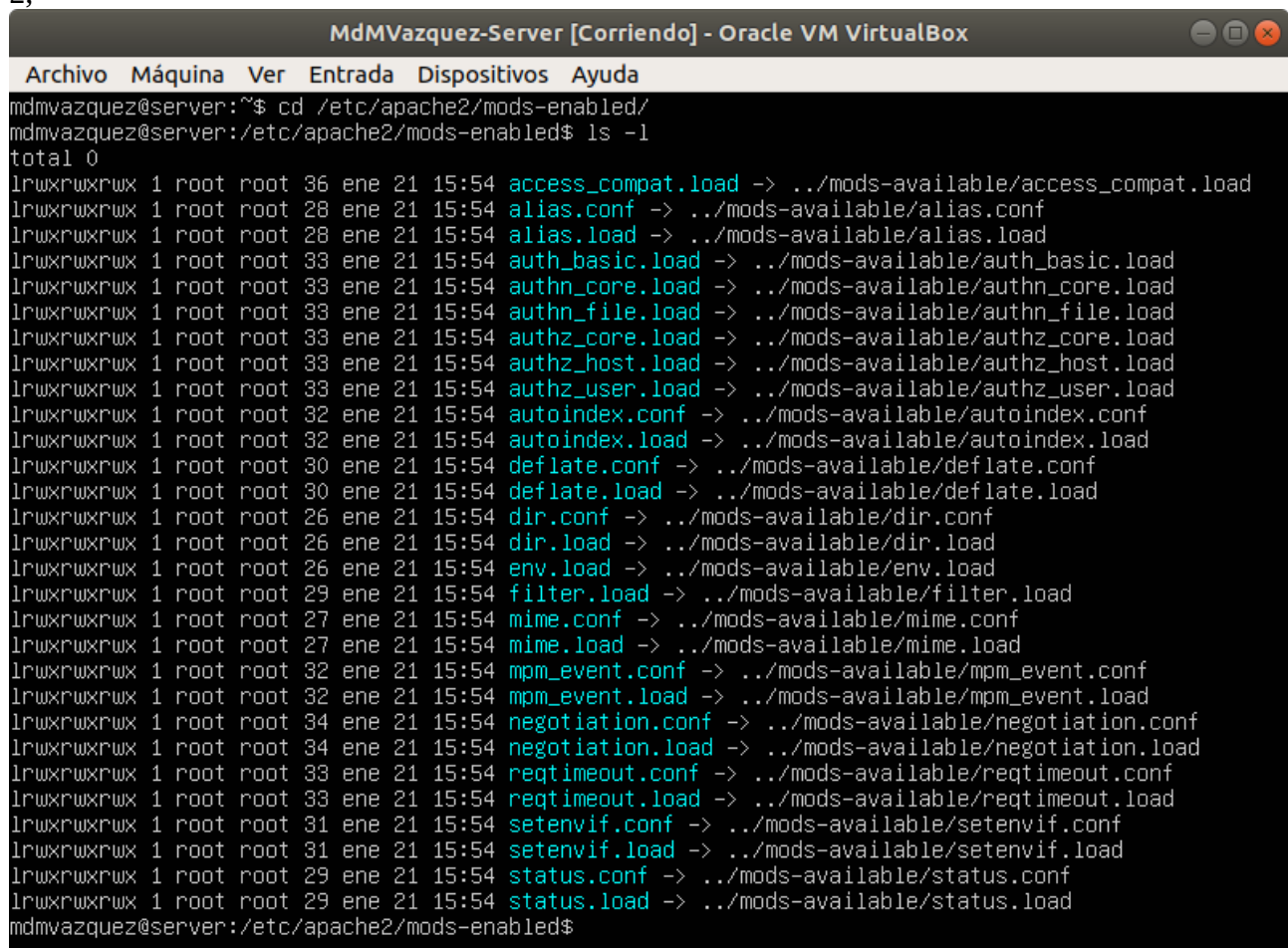


```

MdMVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
mdmvazquez@server:~$ sudo apache2ctl -l
[sudo] password for mdmvazquez:
Compiled in modules:
  core.c
  mod_so.c
  mod_watchdog.c
  http_core.c
  mod_log_config.c
  mod_logio.c
  mod_version.c
  mod_unixd.c
mdmvazquez@server:~$ _

```

2,



```

MdMVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
mdmvazquez@server:~$ cd /etc/apache2/mods-enabled/
mdmvazquez@server:/etc/apache2/mods-enabled$ ls -l
total 0
lrwxrwxrwx 1 root root 36 ene 21 15:54 access_compat.load -> ../mods-available/access_compat.load
lrwxrwxrwx 1 root root 28 ene 21 15:54 alias.conf -> ../mods-available/alias.conf
lrwxrwxrwx 1 root root 28 ene 21 15:54 alias.load -> ../mods-available/alias.load
lrwxrwxrwx 1 root root 33 ene 21 15:54 auth_basic.load -> ../mods-available/auth_basic.load
lrwxrwxrwx 1 root root 33 ene 21 15:54 authn_core.load -> ../mods-available/authn_core.load
lrwxrwxrwx 1 root root 33 ene 21 15:54 authn_file.load -> ../mods-available/authn_file.load
lrwxrwxrwx 1 root root 33 ene 21 15:54 authz_core.load -> ../mods-available/authz_core.load
lrwxrwxrwx 1 root root 33 ene 21 15:54 authz_host.load -> ../mods-available/authz_host.load
lrwxrwxrwx 1 root root 33 ene 21 15:54 authz_user.load -> ../mods-available/authz_user.load
lrwxrwxrwx 1 root root 32 ene 21 15:54 autoindex.conf -> ../mods-available/autoindex.conf
lrwxrwxrwx 1 root root 32 ene 21 15:54 autoindex.load -> ../mods-available/autoindex.load
lrwxrwxrwx 1 root root 30 ene 21 15:54 deflate.conf -> ../mods-available/deflate.conf
lrwxrwxrwx 1 root root 30 ene 21 15:54 deflate.load -> ../mods-available/deflate.load
lrwxrwxrwx 1 root root 26 ene 21 15:54 dir.conf -> ../mods-available/dir.conf
lrwxrwxrwx 1 root root 26 ene 21 15:54 dir.load -> ../mods-available/dir.load
lrwxrwxrwx 1 root root 26 ene 21 15:54 env.load -> ../mods-available/env.load
lrwxrwxrwx 1 root root 29 ene 21 15:54 filter.load -> ../mods-available/filter.load
lrwxrwxrwx 1 root root 27 ene 21 15:54 mime.conf -> ../mods-available/mime.conf
lrwxrwxrwx 1 root root 27 ene 21 15:54 mime.load -> ../mods-available/mime.load
lrwxrwxrwx 1 root root 32 ene 21 15:54 mpm_event.conf -> ../mods-available/mpm_event.conf
lrwxrwxrwx 1 root root 32 ene 21 15:54 mpm_event.load -> ../mods-available/mpm_event.load
lrwxrwxrwx 1 root root 34 ene 21 15:54 negotiation.conf -> ../mods-available/negotiation.conf
lrwxrwxrwx 1 root root 34 ene 21 15:54 negotiation.load -> ../mods-available/negotiation.load
lrwxrwxrwx 1 root root 33 ene 21 15:54 reqtimeout.conf -> ../mods-available/reqtimeout.conf
lrwxrwxrwx 1 root root 33 ene 21 15:54 reqtimeout.load -> ../mods-available/reqtimeout.load
lrwxrwxrwx 1 root root 31 ene 21 15:54 setenvif.conf -> ../mods-available/setenvif.conf
lrwxrwxrwx 1 root root 31 ene 21 15:54 setenvif.load -> ../mods-available/setenvif.load
lrwxrwxrwx 1 root root 29 ene 21 15:54 status.conf -> ../mods-available/status.conf
lrwxrwxrwx 1 root root 29 ene 21 15:54 status.load -> ../mods-available/status.load
mdmvazquez@server:/etc/apache2/mods-enabled$

```

3,

```

MdmVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 2.9.3                                dir.load

LoadModule dir_module /usr/lib/apache2/modules/mod_dir.so

```

4,

```

MdmVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
GNU nano 2.9.3                                dir.conf

<IfModule mod_dir.c>
    DirectoryIndex index.html index.cgi index.pl index.php index.xhtml index.htm
</IfModule>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet

```

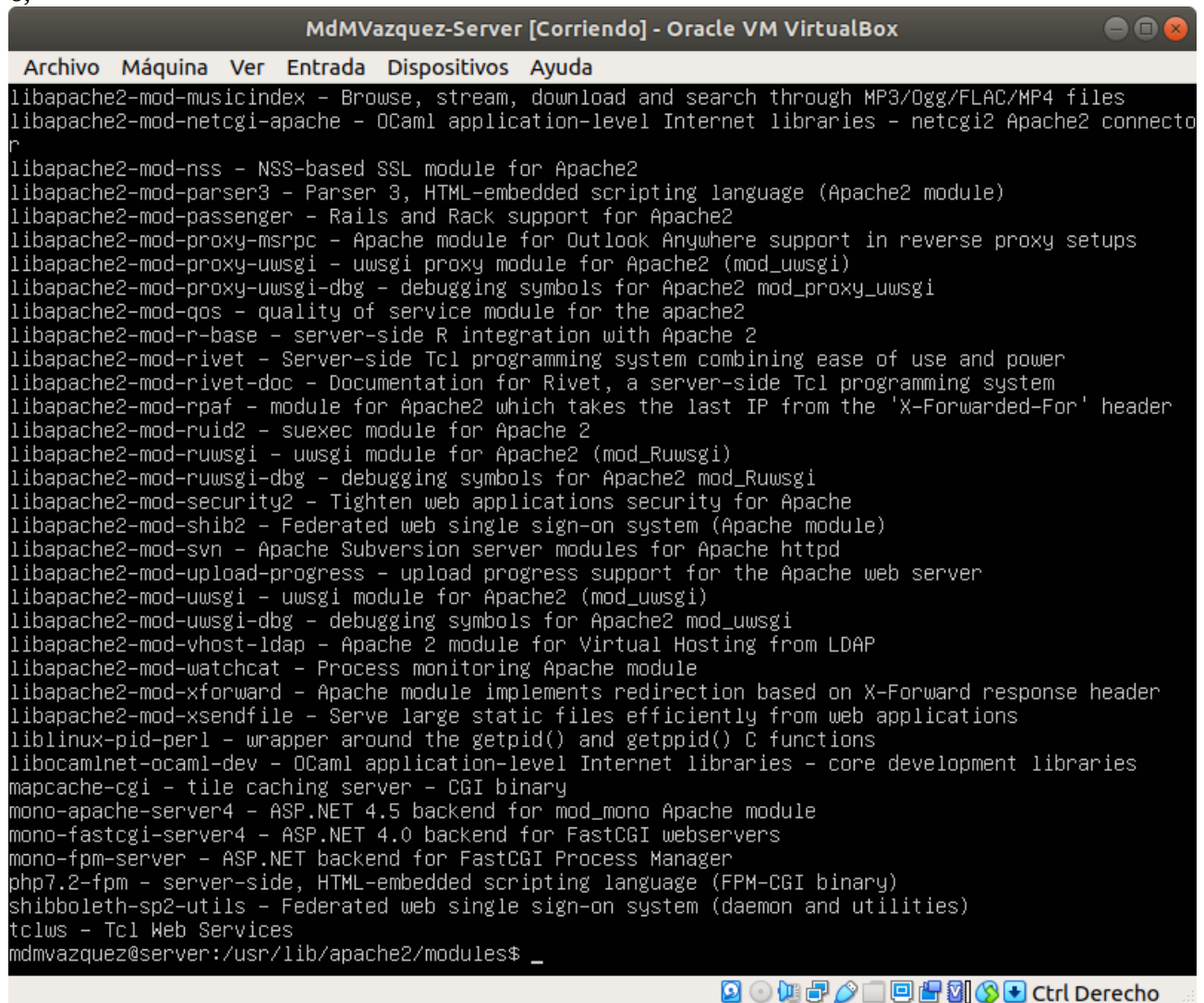
5,

```

MdmVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
-rw-r--r-- 1 root root 10280 sep 16 12:58 mod_proxy_fdpass.so
-rw-r--r-- 1 root root 43048 sep 16 12:58 mod_proxy_ftp.so
-rw-r--r-- 1 root root 30760 sep 16 12:58 mod_proxy_hcheck.so
-rw-r--r-- 1 root root 30792 sep 16 12:58 mod_proxy_html.so
-rw-r--r-- 1 root root 63680 sep 16 12:58 mod_proxy_http2.so
-rw-r--r-- 1 root root 38952 sep 16 12:58 mod_proxy_http.so
-rw-r--r-- 1 root root 18504 sep 16 12:58 mod_proxy_scgi.so
-rw-r--r-- 1 root root 121376 sep 16 12:58 mod_proxy.so
-rw-r--r-- 1 root root 18400 sep 16 12:58 mod_proxy_wstunnel.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_ratelimit.so
-rw-r--r-- 1 root root 10280 sep 16 12:58 mod_reflector.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_remoteip.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_reqtimeout.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_request.so
-rw-r--r-- 1 root root 67624 sep 16 12:58 mod_rewrite.so
-rw-r--r-- 1 root root 34856 sep 16 12:58 mod_sed.so
-rw-r--r-- 1 root root 10280 sep 16 12:58 mod_session_cookie.so
-rw-r--r-- 1 root root 22568 sep 16 12:58 mod_session_crypto.so
-rw-r--r-- 1 root root 18472 sep 16 12:58 mod_session_dbd.so
-rw-r--r-- 1 root root 18472 sep 16 12:58 mod_session.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_setenvif.so
-rw-r--r-- 1 root root 10280 sep 16 12:58 mod_slotmem_plain.so
-rw-r--r-- 1 root root 18472 sep 16 12:58 mod_slotmem_shm.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_socache_dbm.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_socache_memcache.so
-rw-r--r-- 1 root root 22568 sep 16 12:58 mod_socache_shmcb.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_speling.so
-rw-r--r-- 1 root root 227568 sep 16 12:58 mod_ssl.so
-rw-r--r-- 1 root root 22568 sep 16 12:58 mod_status.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_substitute.so
-rw-r--r-- 1 root root 10280 sep 16 12:58 mod_suexec.so
-rw-r--r-- 1 root root 10208 sep 16 12:58 mod_unique_id.so
-rw-r--r-- 1 root root 10280 sep 16 12:58 mod_userdir.so
-rw-r--r-- 1 root root 14376 sep 16 12:58 mod_usertrack.so
-rw-r--r-- 1 root root 10280 sep 16 12:58 mod_vhost_alias.so
-rw-r--r-- 1 root root 22568 sep 16 12:58 mod_xml2enc.so
mdmvazquez@server:/usr/lib/apache2/modules$

```

6,



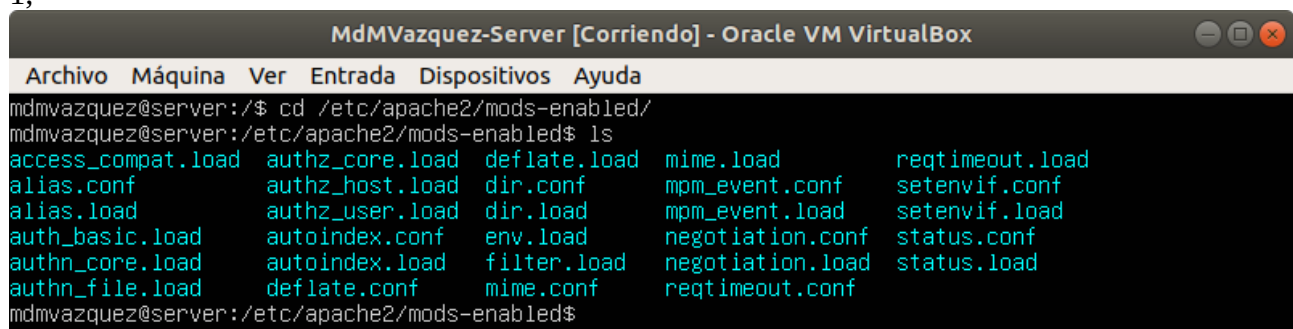
```

MdMVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
libapache2-mod-musicindex - Browse, stream, download and search through MP3/Ogg/FLAC/MP4 files
libapache2-mod-netcgi-apache - OCaml application-level Internet libraries - netcgi2 Apache2 connecto
r
libapache2-mod-nss - NSS-based SSL module for Apache2
libapache2-mod-parser3 - Parser 3, HTML-embedded scripting language (Apache2 module)
libapache2-mod-passenger - Rails and Rack support for Apache2
libapache2-mod-proxy-msrpc - Apache module for Outlook Anywhere support in reverse proxy setups
libapache2-mod-proxy-uwsgi - uwsgi proxy module for Apache2 (mod_uwsgi)
libapache2-mod-proxy-uwsgi-dbg - debugging symbols for Apache2 mod_proxy_uwsgi
libapache2-mod-qos - quality of service module for the apache2
libapache2-mod-r-base - server-side R integration with Apache 2
libapache2-mod-rivet - Server-side Tcl programming system combining ease of use and power
libapache2-mod-rivet-doc - Documentation for Rivet, a server-side Tcl programming system
libapache2-mod-rpaf - module for Apache2 which takes the last IP from the 'X-Forwarded-For' header
libapache2-mod-ruid2 - suexec module for Apache 2
libapache2-mod-ruwsgi - uwsgi module for Apache2 (mod_Ruwsgi)
libapache2-mod-ruwsgi-dbg - debugging symbols for Apache2 mod_Ruwsgi
libapache2-mod-security2 - Tighten web applications security for Apache
libapache2-mod-shib2 - Federated web single sign-on system (Apache module)
libapache2-mod-svn - Apache Subversion server modules for Apache httpd
libapache2-mod-upload-progress - upload progress support for the Apache web server
libapache2-mod-uwsgi - uwsgi module for Apache2 (mod_uwsgi)
libapache2-mod-uwsgi-dbg - debugging symbols for Apache2 mod_uwsgi
libapache2-mod-vhost-ldap - Apache 2 module for Virtual Hosting from LDAP
libapache2-mod-watchcat - Process monitoring Apache module
libapache2-mod-xforward - Apache module implements redirection based on X-Forward response header
libapache2-mod-xsendfile - Serve large static files efficiently from web applications
liblinux-pid-perl - wrapper around the getpid() and getppid() C functions
libocamlnet-ocaml-dev - OCaml application-level Internet libraries - core development libraries
mapcache-cgi - tile caching server - CGI binary
mono-apache-server4 - ASP.NET 4.5 backend for mod_mono Apache module
mono-fastcgi-server4 - ASP.NET 4.0 backend for FastCGI web servers
mono-fpm-server - ASP.NET backend for FastCGI Process Manager
php7.2-fpm - server-side, HTML-embedded scripting language (FPM-CGI binary)
shibboleth-sp2-utils - Federated web single sign-on system (daemon and utilities)
tclws - Tcl Web Services
mdmvazquez@server:/usr/lib/apache2/modules$ _

```

Actividad 2

1,



```

MdMVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
mdmvazquez@server:/$ cd /etc/apache2/mods-enabled/
mdmvazquez@server:/etc/apache2/mods-enabled$ ls
access_compat.load  authz_core.load  deflate.load  mime.load  reqtimeout.load
alias.conf          authz_host.load  dir.conf     mpm_event.conf  setenvif.conf
alias.load          authz_user.load  dir.load     mpm_event.load  setenvif.load
auth_basic.load     autoindex.conf  env.load     negotiation.conf  status.conf
authn_core.load     autoindex.load  filter.load  negotiation.load  status.load
authn_file.load     deflate.conf     mime.conf    reqtimeout.conf
mdmvazquez@server:/etc/apache2/mods-enabled$

```

2,

```

MdmVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
mdmvazquez@server:/etc/apache2/mods-enabled$ sudo a2enmod userdir
Enabling module userdir.
To activate the new configuration, you need to run:
  systemctl restart apache2
mdmvazquez@server:/etc/apache2/mods-enabled$

```

3,

```

MdmVazquez-Server [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
mdmvazquez@server:/etc/apache2/mods-enabled$ ls
access_compat.load  authz_core.load  deflate.load  mime.load  reqtimeout.load  userdir.load
alias.conf          authz_host.load  dir.conf      mpm_event.conf  setenvif.conf
alias.load          authz_user.load  dir.load      mpm_event.load  setenvif.load
auth_basic.load     autoindex.conf  env.load      negotiation.conf  status.conf
authn_core.load     autoindex.load  filter.load   negotiation.load  status.load
authn_file.load     deflate.conf     mime.conf     reqtimeout.conf  userdir.conf
mdmvazquez@server:/etc/apache2/mods-enabled$ _

```

7,



10,

