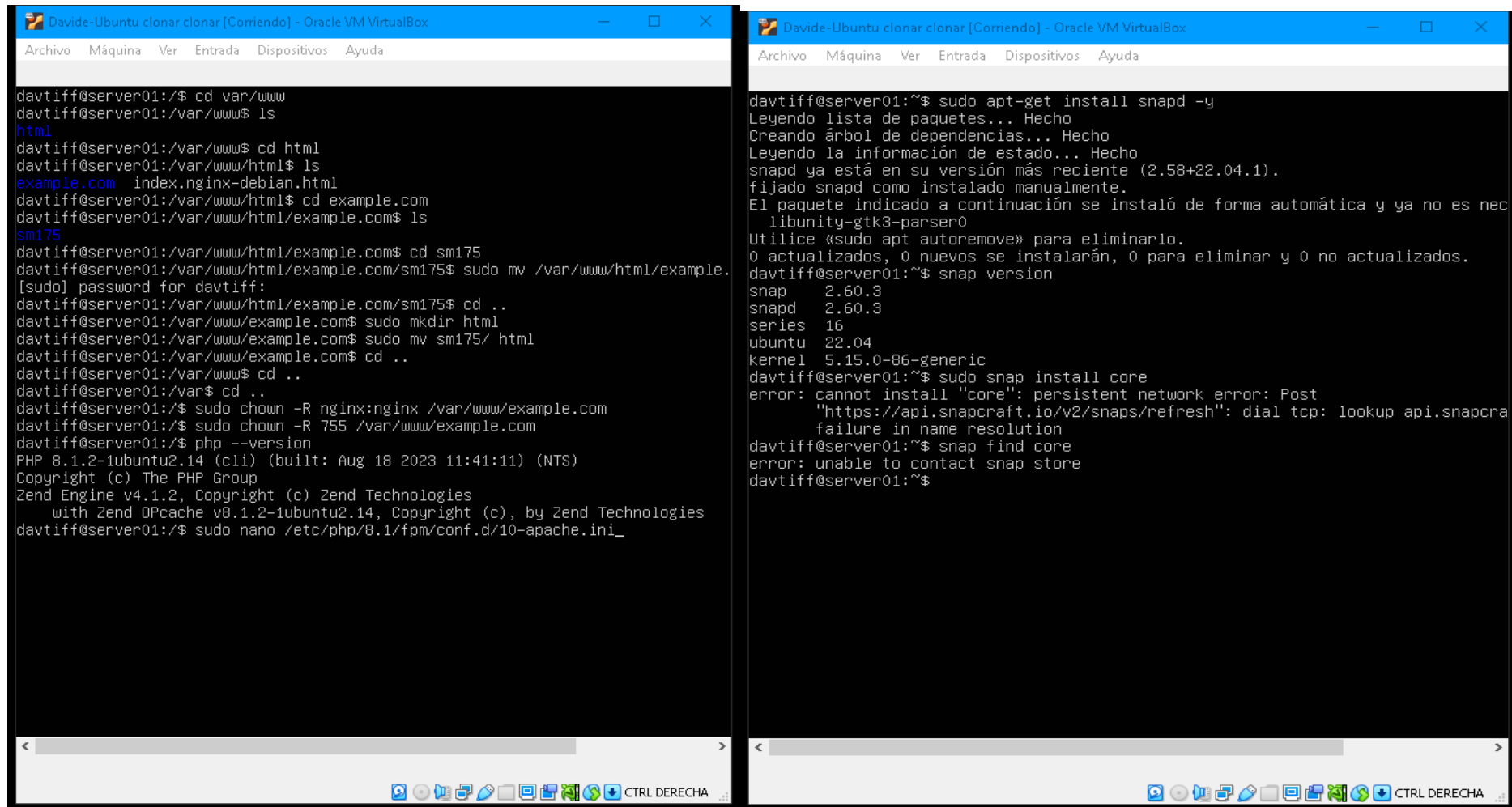


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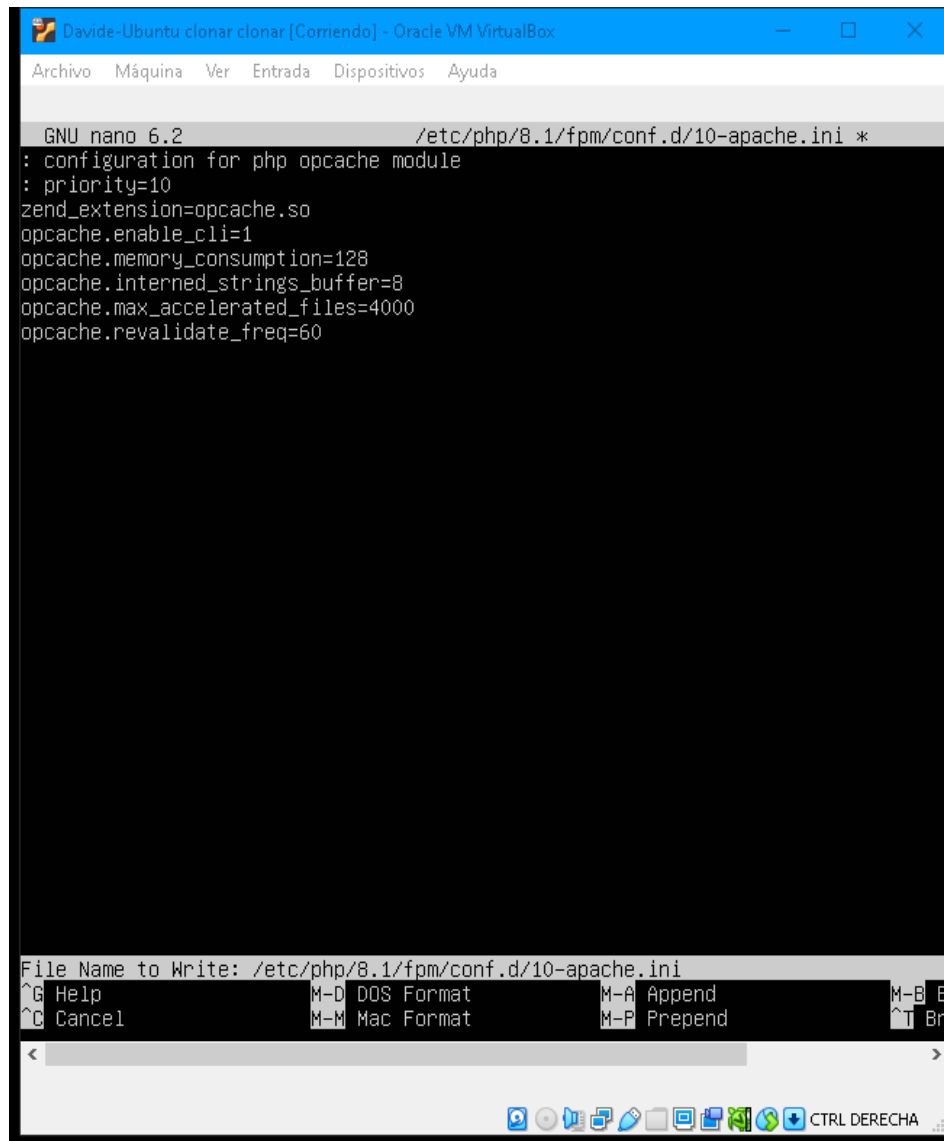
Taller #18: instalación de un servidor LEMP parte 3



```
davtiff@server01:/$ cd /var/www
davtiff@server01:/var/www$ ls
html
davtiff@server01:/var/www$ cd html
davtiff@server01:/var/www/html$ ls
example.com  index.nginx-debian.html
davtiff@server01:/var/www/html$ cd example.com
davtiff@server01:/var/www/html/example.com$ ls
sm175
davtiff@server01:/var/www/html/example.com$ cd sm175
davtiff@server01:/var/www/html/example.com/sm175$ sudo mv /var/www/html/example.
[sudo] password for davtiff:
davtiff@server01:/var/www/html/example.com/sm175$ cd ..
davtiff@server01:/var/www/example.com$ sudo mkdir html
davtiff@server01:/var/www/example.com$ sudo mv sm175/ html
davtiff@server01:/var/www/example.com$ cd ..
davtiff@server01:/var/www$ cd ..
davtiff@server01:/var$ cd ..
davtiff@server01:/$ sudo chown -R nginx:nginx /var/www/example.com
davtiff@server01:/$ sudo chown -R 755 /var/www/example.com
davtiff@server01:/$ php --version
PHP 8.1.2-1ubuntu2.14 (cli) (built: Aug 18 2023 11:41:11) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.1.2, Copyright (c) Zend Technologies
    with Zend OPcache v8.1.2-1ubuntu2.14, Copyright (c), by Zend Technologies
davtiff@server01:/$ sudo nano /etc/php/8.1/fpm/conf.d/10-apache.ini_

davtiff@server01:~$ sudo apt-get install snapd -y
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
snapd ya está en su versión más reciente (2.58+22.04.1).
fijado snapd como instalado manualmente.
El paquete indicado a continuación se instaló de forma automática y ya no es nec
  libunity-gtk3-parser0
Utilice «sudo apt autoremove» para eliminarlo.
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 0 no actualizados.
davtiff@server01:~$ snap version
snap      2.60.3
snapd     2.60.3
series    16
ubuntu    22.04
kernel    5.15.0-86-generic
davtiff@server01:~$ sudo snap install core
error: cannot install "core": persistent network error: Post
    "https://api.snapcraft.io/v2/snaps/refresh": dial tcp: lookup api.snapcra
    failure in name resolution
davtiff@server01:~$ snap find core
error: unable to contact snap store
davtiff@server01:~$
```

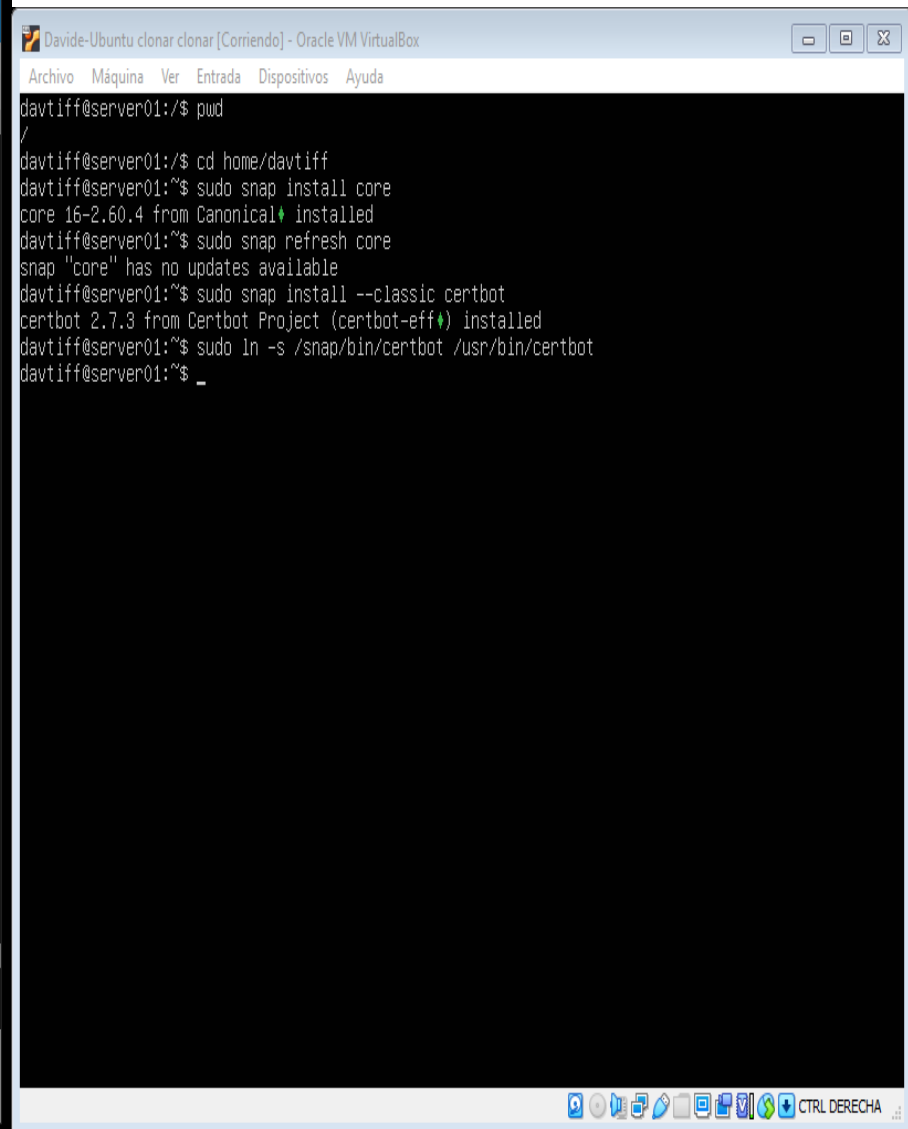
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The screenshot shows a terminal window titled "Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox". Inside, the nano 6.2 text editor is open, editing the file `/etc/php/8.1/fpm/conf.d/10-apache.ini`. The editor displays the following configuration for the PHP opcache module:

```
: configuration for php opcache module
: priority=10
zend_extension=opcache.so
opcache.enable_cli=1
opcache.memory_consumption=128
opcache.interned_strings_buffer=8
opcache.max_accelerated_files=4000
opcache.revalidate_freq=60
```

At the bottom of the editor, a menu bar shows options: `^G Help`, `^C Cancel`, `M-D DOS Format`, `M-M Mac Format`, `M-A Append`, `M-P Prepend`, `M-B B`, and `^T Br`. The status bar at the very bottom indicates "File Name to Write: /etc/php/8.1/fpm/conf.d/10-apache.ini" and "CTRL DERECHA".

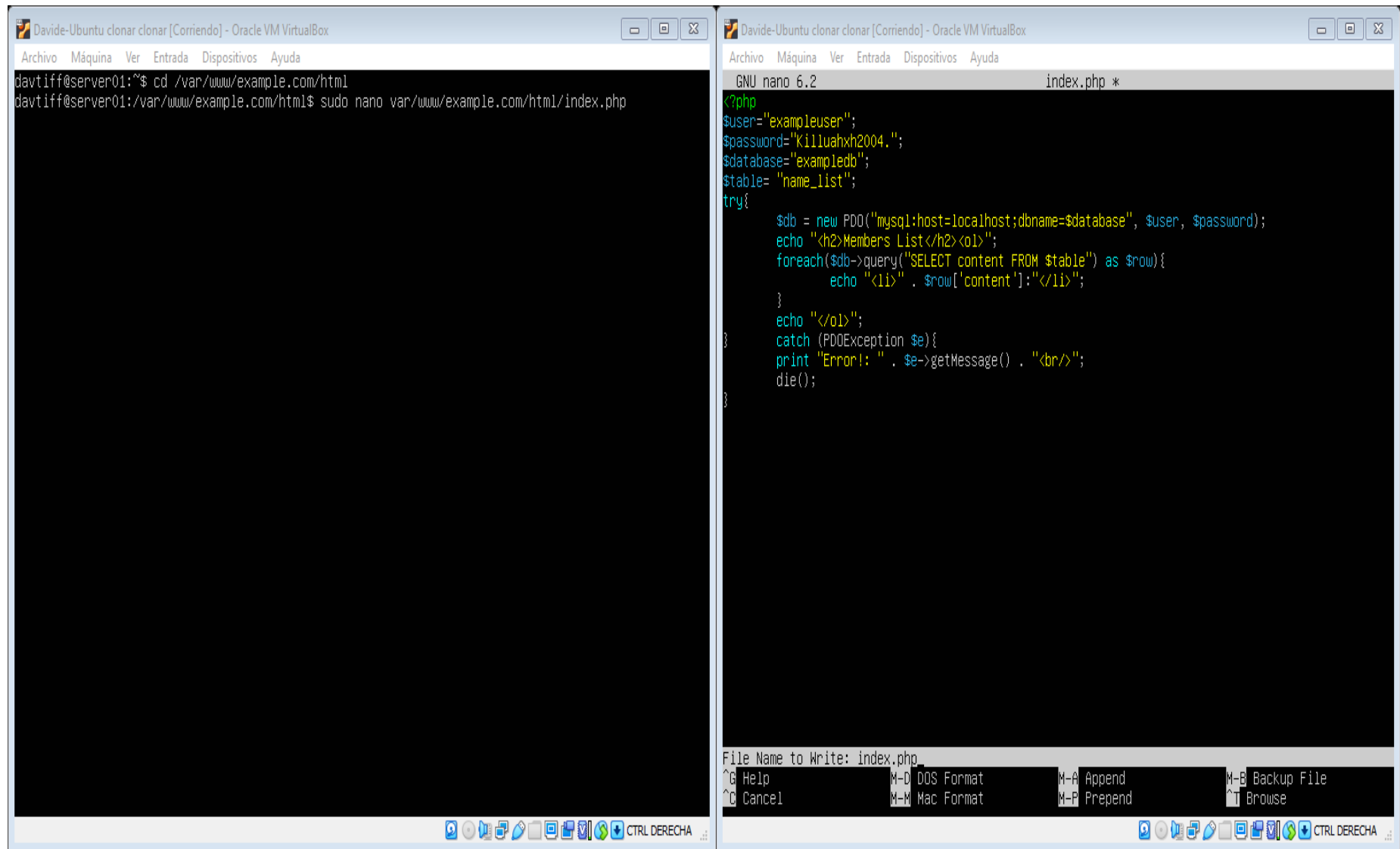


The screenshot shows a terminal window titled "Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox". The user is logged in as `davtiff` on `server01`. The terminal shows the following commands and their outputs:

```
davtiff@server01:/$ pwd
/
davtiff@server01:/$ cd home/davtiff
davtiff@server01:/$ sudo snap install core
core 16-2.60.4 from Canonical✓ installed
davtiff@server01:/$ sudo snap refresh core
snap "core" has no updates available
davtiff@server01:/$ sudo snap install --classic certbot
certbot 2.7.3 from Certbot Project (certbot-eff✓) installed
davtiff@server01:/$ sudo ln -s /snap/bin/certbot /usr/bin/certbot
davtiff@server01:/$ _
```

The terminal window has a standard Ubuntu desktop environment at the bottom with various icons and the text "CTRL DERECHA".

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The image displays two side-by-side screenshots of an Oracle VM VirtualBox window titled "Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox".

The left screenshot shows a terminal window with the following commands and output:

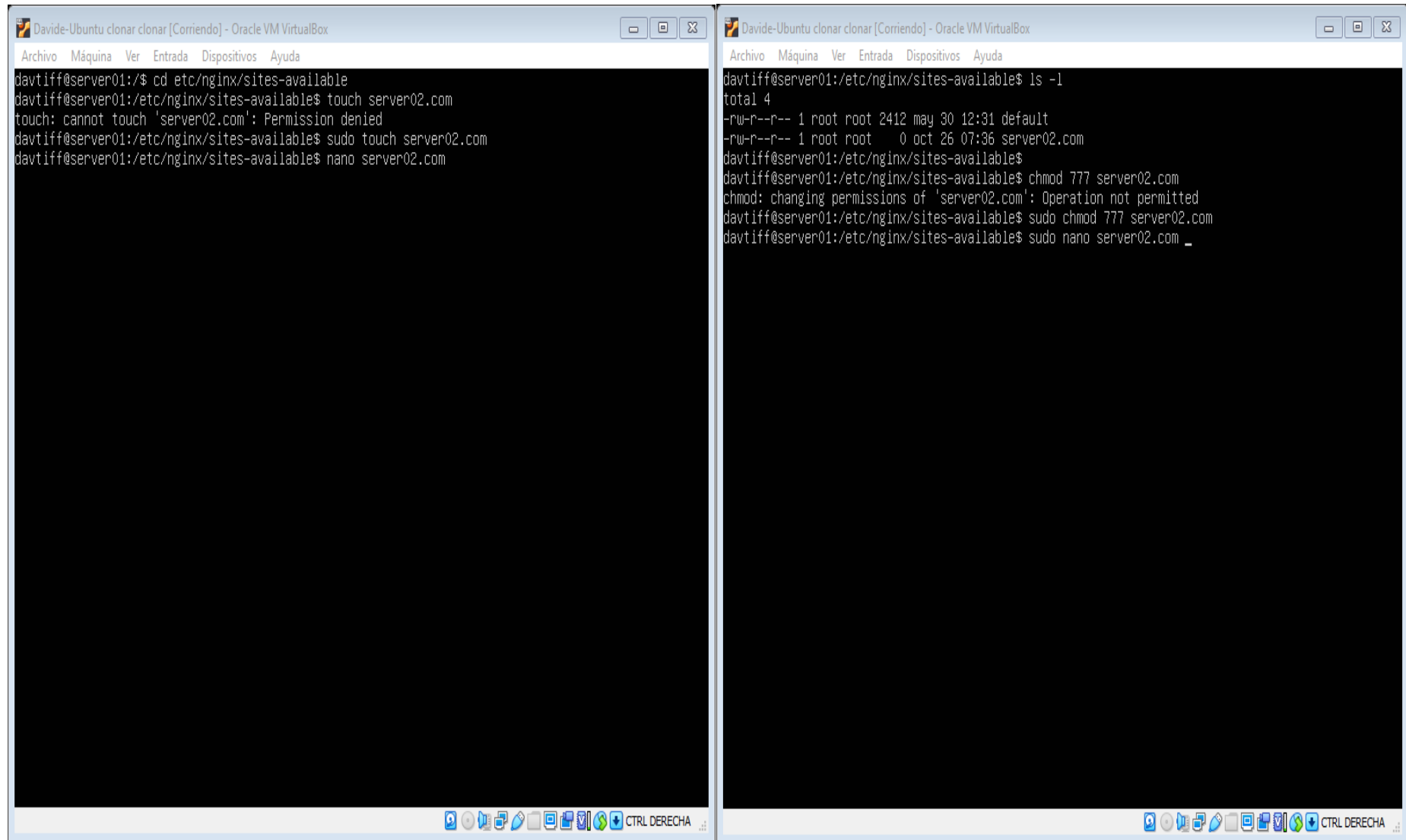
```
davtiff@server01:~$ cd /var/www/example.com/html
davtiff@server01:/var/www/example.com/html$ sudo nano var/www/example.com/html/index.php
```

The right screenshot shows the GNU nano 6.2 editor editing the file `index.php`. The code is as follows:

```
<?php
$user="exampleuser";
$password="killuahxh2004.";
$database="exampledb";
$table= "name_list";
try{
    $db = new PDO("mysql:host=localhost;dbname=$database", $user, $password);
    echo "<h2>Members List</h2><ol>";
    foreach($db->query("SELECT content FROM $table") as $row){
        echo "<li>" . $row['content']."</li>";
    }
    echo "</ol>";
}
catch (PDOException $e){
    print "Error!: " . $e->getMessage() . "<br/>";
    die();
}
```

At the bottom of the nano editor, the "File Name to Write: index.php" is shown, along with a menu of keyboard shortcuts: ^G Help, ^C Cancel, M-D DOS Format, M-M Mac Format, M-A Append, M-P Prepend, M-B Backup File, and ^T Browse. The bottom status bar of the window shows system icons and the text "CTRL DERECHA".

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The image displays two side-by-side terminal windows from Oracle VM VirtualBox. Both windows have a title bar that reads "Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox".

The left terminal window shows the following commands and output:

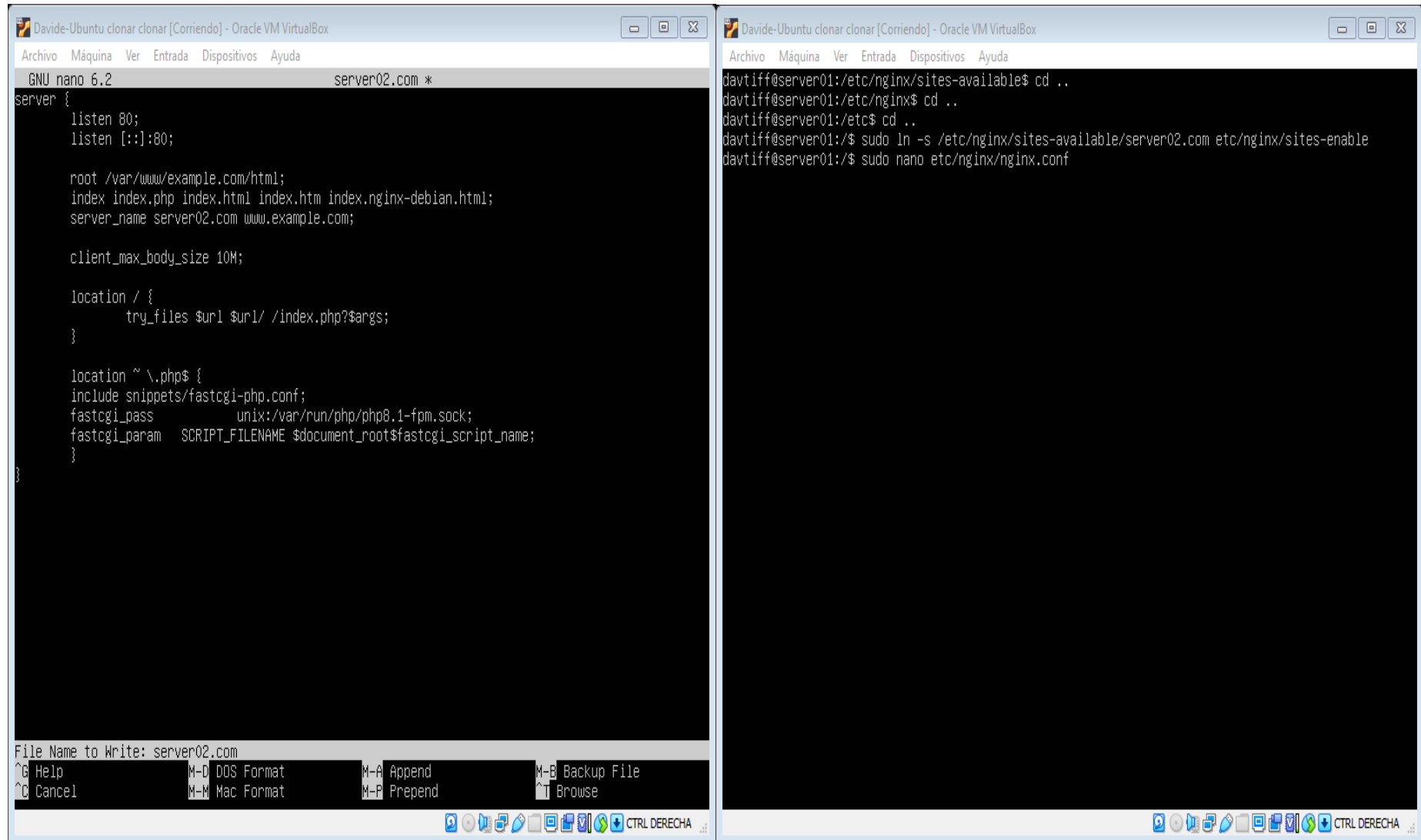
```
Archivo Máquina Ver Entrada Dispositivos Ayuda
davtiff@server01:/$ cd etc/nginx/sites-available
davtiff@server01:/etc/nginx/sites-available$ touch server02.com
touch: cannot touch 'server02.com': Permission denied
davtiff@server01:/etc/nginx/sites-available$ sudo touch server02.com
davtiff@server01:/etc/nginx/sites-available$ nano server02.com
```

The right terminal window shows the following commands and output:

```
Archivo Máquina Ver Entrada Dispositivos Ayuda
davtiff@server01:/etc/nginx/sites-available$ ls -l
total 4
-rw-r--r-- 1 root root 2412 may 30 12:31 default
-rw-r--r-- 1 root root    0 oct 26 07:36 server02.com
davtiff@server01:/etc/nginx/sites-available$
davtiff@server01:/etc/nginx/sites-available$ chmod 777 server02.com
chmod: changing permissions of 'server02.com': Operation not permitted
davtiff@server01:/etc/nginx/sites-available$ sudo chmod 777 server02.com
davtiff@server01:/etc/nginx/sites-available$ sudo nano server02.com _
```

Both windows have a standard Linux terminal interface with a menu bar at the top and a toolbar at the bottom. The bottom toolbar includes icons for file operations and a "CTRL DERECHA" button.

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```
GNU nano 6.2 server02.com *
server {
    listen 80;
    listen [::]:80;

    root /var/www/example.com/html;
    index index.php index.html index.htm index.nginx-debian.html;
    server_name server02.com www.example.com;

    client_max_body_size 10M;

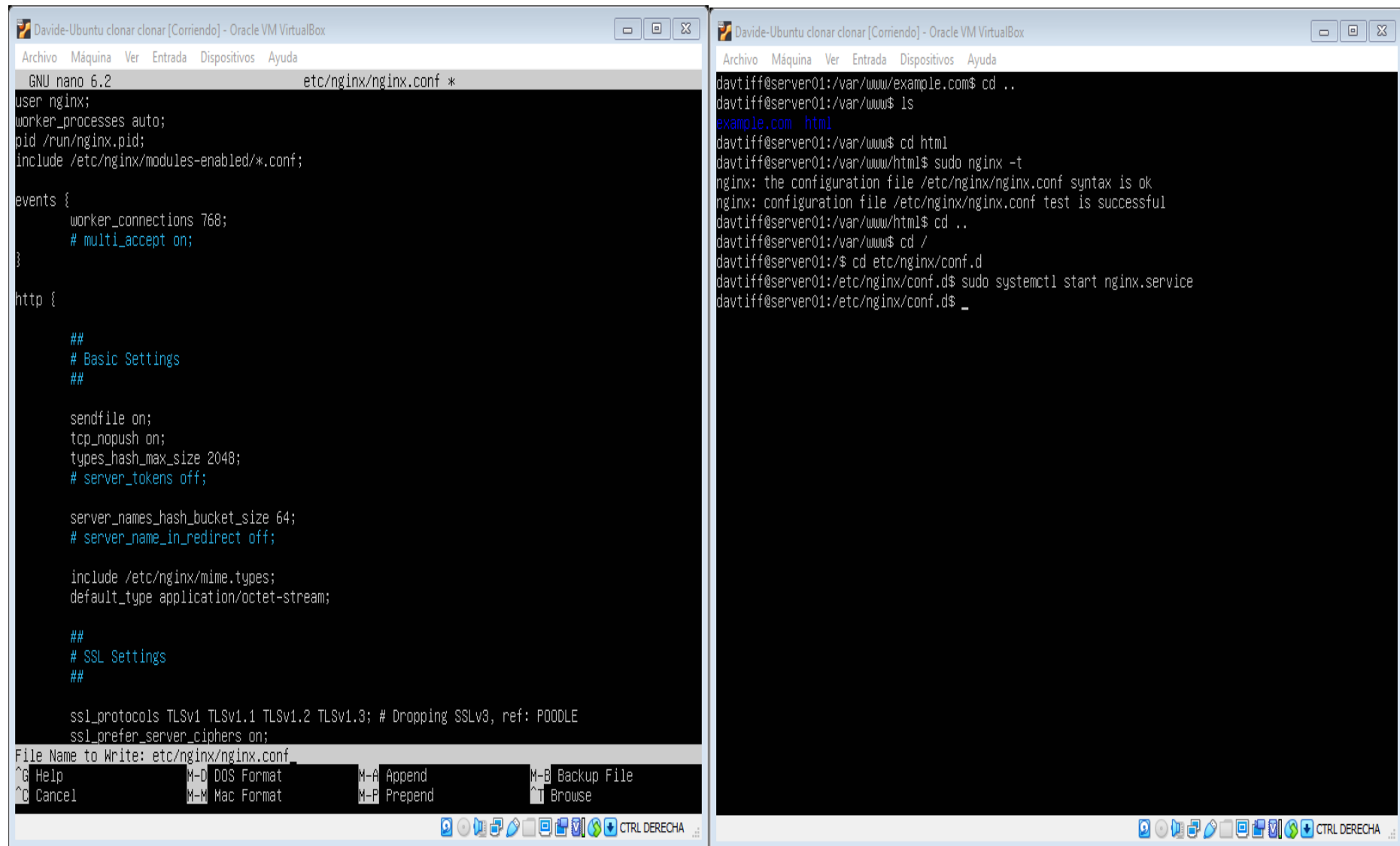
    location / {
        try_files $url $url/ /index.php?$args;
    }

    location ~ \.php$ {
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/var/run/php/php8.1-fpm.sock;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
    }
}

File Name to Write: server02.com
^G Help      M-D DOS Format  M-A Append     M-B Backup File
^C Cancel    M-M Mac Format  M-P Prepend    ^I Browse
```

```
davtiff@server01:/etc/nginx/sites-available$ cd ..
davtiff@server01:/etc/nginx$ cd ..
davtiff@server01:/etc$ cd ..
davtiff@server01:/etc$ sudo ln -s /etc/nginx/sites-available/server02.com etc/nginx/sites-enabled
davtiff@server01:/etc$ sudo nano etc/nginx/nginx.conf
```

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The image displays two side-by-side screenshots of a VirtualBox VM window titled "Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox".

The left screenshot shows the `GNU nano 6.2` editor editing the file `etc/nginx/nginx.conf`. The configuration file content is as follows:

```
user nginx;
worker_processes auto;
pid /run/nginx.pid;
include /etc/nginx/modules-enabled/*.conf;

events {
    worker_connections 768;
    # multi_accept on;
}

http {

    ##
    # Basic Settings
    ##

    sendfile on;
    tcp_nopush on;
    types_hash_max_size 2048;
    # server_tokens off;

    server_names_hash_bucket_size 64;
    # server_name_in_redirect off;

    include /etc/nginx/mime.types;
    default_type application/octet-stream;

    ##
    # SSL Settings
    ##

    ssl_protocols TLSv1 TLSv1.1 TLSv1.2 TLSv1.3; # Dropping SSLv3, ref: P000LE
    ssl_prefer_server_ciphers on;
}
```

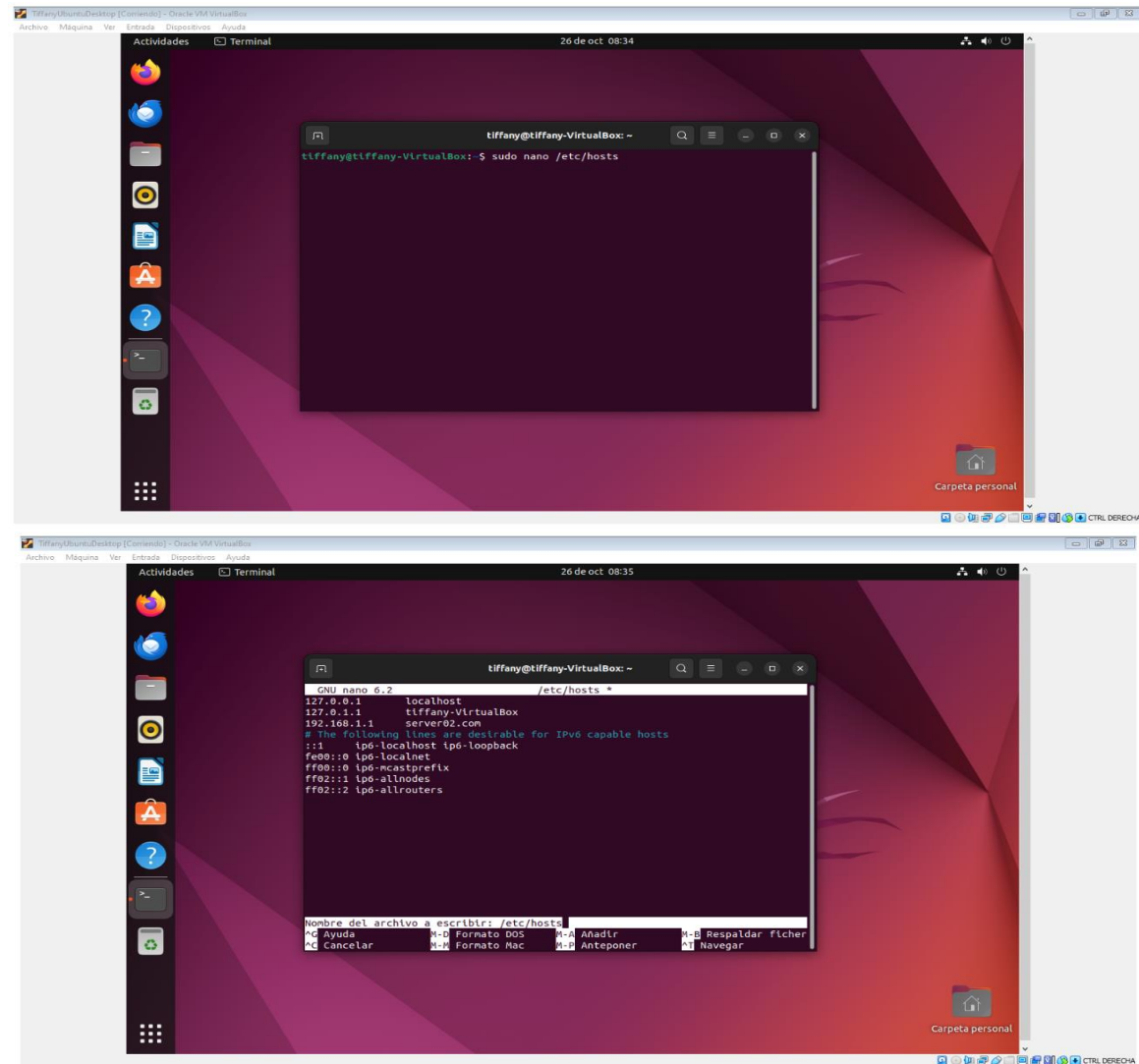
The bottom of the window shows a menu with options: `^G Help`, `^C Cancel`, `M-D DOS Format`, `M-M Mac Format`, `M-A Append`, `M-P Prepend`, `M-B Backup File`, and `^T Browse`. The status bar at the bottom indicates "CTRL DERECHA".

The right screenshot shows a terminal window with the following commands and output:

```
davtiff@server01:/var/www/example.com$ cd ..
davtiff@server01:/var/www$ ls
example.com  html
davtiff@server01:/var/www$ cd html
davtiff@server01:/var/www/html$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
davtiff@server01:/var/www/html$ cd ..
davtiff@server01:/var/www$ cd /
davtiff@server01:/$ cd etc/nginx/conf.d
davtiff@server01:/etc/nginx/conf.d$ sudo systemctl start nginx.service
davtiff@server01:/etc/nginx/conf.d$ _
```

The status bar at the bottom of the terminal window also indicates "CTRL DERECHA".

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