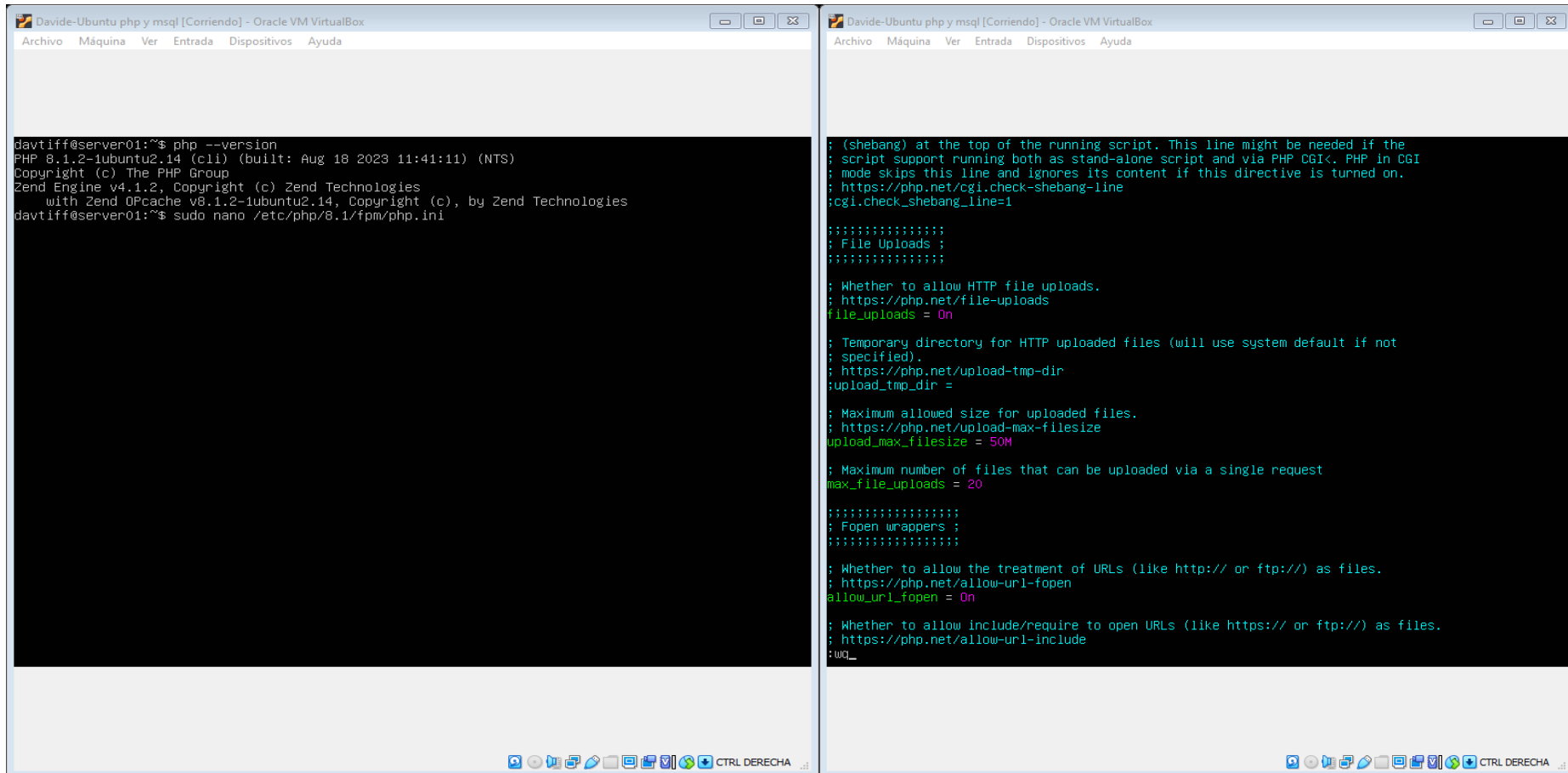


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## Taller #13: Nginx con PHP y MySQL (LEMP Stack) parte 2



The image shows two side-by-side terminal windows from an Oracle VM VirtualBox. The left window shows the output of the command `php --version` and the command `sudo nano /etc/php/8.1/fpm/php.ini`. The right window shows the contents of the `/etc/php/8.1/fpm/php.ini` file, which is a configuration file for PHP's FastCGI Process Manager (FPM). The configuration file contains various settings for file uploads, temporary directories, and maximum file sizes.

```
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/php.ini

; (shebang) at the top of the running script. This line might be needed if the
; script support running both as stand-alone script and via PHP CGI<. PHP in CGI
; mode skips this line and ignores its content if this directive is turned on.
; https://php.net/cgi.check-shebang-line
;cgi.check_shebang_line=1

;;;;;;;;;;;;;;;
; File Uploads ;
;;;;;;;;;;;;;;;

; Whether to allow HTTP file uploads.
; https://php.net/file-uploads
file_uploads = On

; Temporary directory for HTTP uploaded files (will use system default if not
; specified).
; https://php.net/upload-tmp-dir
;upload_tmp_dir =

; Maximum allowed size for uploaded files.
; https://php.net/upload-max-filesize
upload_max_filesize = 50M

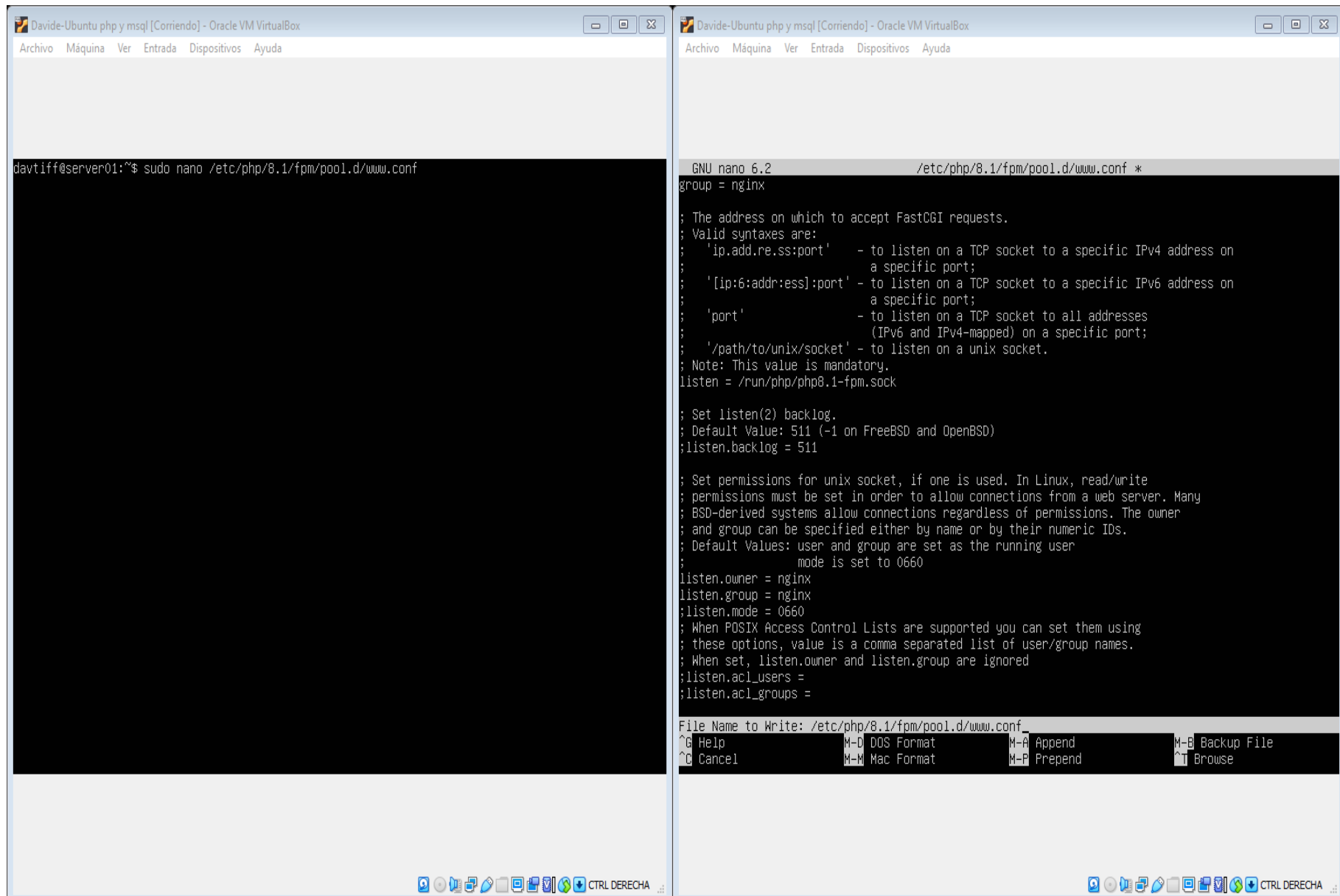
; Maximum number of files that can be uploaded via a single request
max_file_uploads = 20

;;;;;;;;;;;;;;;
; Fopen wrappers ;
;;;;;;;;;;;;;;;

; Whether to allow the treatment of URLs (like http:// or ftp://) as files.
; https://php.net/allow-url-fopen
allow_url_fopen = On

; Whether to allow include/require to open URLs (like https:// or ftp://) as files.
; https://php.net/allow-url-include
;wg_
```

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```
GNU nano 6.2 /etc/php/8.1/fpm/pool.d/www.conf *
group = nginx

; The address on which to accept FastCGI requests.
; Valid syntaxes are:
; 'ip.add.re.ss:port'   - to listen on a TCP socket to a specific IPv4 address on
;                       a specific port;
; '[ip:6:addr:ess]:port' - to listen on a TCP socket to a specific IPv6 address on
;                       a specific port;
; 'port'               - to listen on a TCP socket to all addresses
;                       (IPv6 and IPv4-mapped) on a specific port;
; '/path/to/unix/socket' - to listen on a unix socket.
; Note: This value is mandatory.
listen = /run/php/php8.1-fpm.sock

; Set listen(2) backlog.
; Default Value: 511 (-1 on FreeBSD and OpenBSD)
;listen.backlog = 511

; Set permissions for unix socket, if one is used. In Linux, read/write
; permissions must be set in order to allow connections from a web server. Many
; BSD-derived systems allow connections regardless of permissions. The owner
; and group can be specified either by name or by their numeric IDs.
; Default Values: user and group are set as the running user
;                  mode is set to 0660
listen.owner = nginx
listen.group = nginx
listen.mode = 0660
; When POSIX Access Control Lists are supported you can set them using
; these options, value is a comma separated list of user/group names.
; When set, listen.owner and listen.group are ignored
;listen.acl_users =
;listen.acl_groups =

File Name to Write: /etc/php/8.1/fpm/pool.d/www.conf
^G Help          M-D DOS Format   M-A Append       M-B Backup File
^C Cancel        M-W Mac Format   M-R Prepend      ^T Browse
```

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```
Davide-Ubuntu php y msql [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

davtiff@server01:~$ sudo systemctl restart php8.1-fpm
Job for php8.1-fpm.service failed because the control process exited with error code.
See "systemctl status php8.1-fpm.service" and "journalctl -xeu php8.1-fpm.service" for details.
davtiff@server01:~$ sudo addgroup --system nginx
Adding group `nginx' (GID 119) ...
Done.
davtiff@server01:~$ sudo adduser --system --no-create-home --ingroup nginx --disabled-login --disabled-password nginx
Adding system user `nginx' (UID 114) ...
Adding new user `nginx' (UID 114) with group `nginx' ...
Not creating home directory `/home/nginx'.
davtiff@server01:~$ id nginx
uid=114/nginx gid=119/nginx groups=119/nginx
davtiff@server01:~$ getent group nginx
nginx:x:119:
davtiff@server01:~$ sudo vim /etc/nginx/nginx.conf
```

```
Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

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
    ##

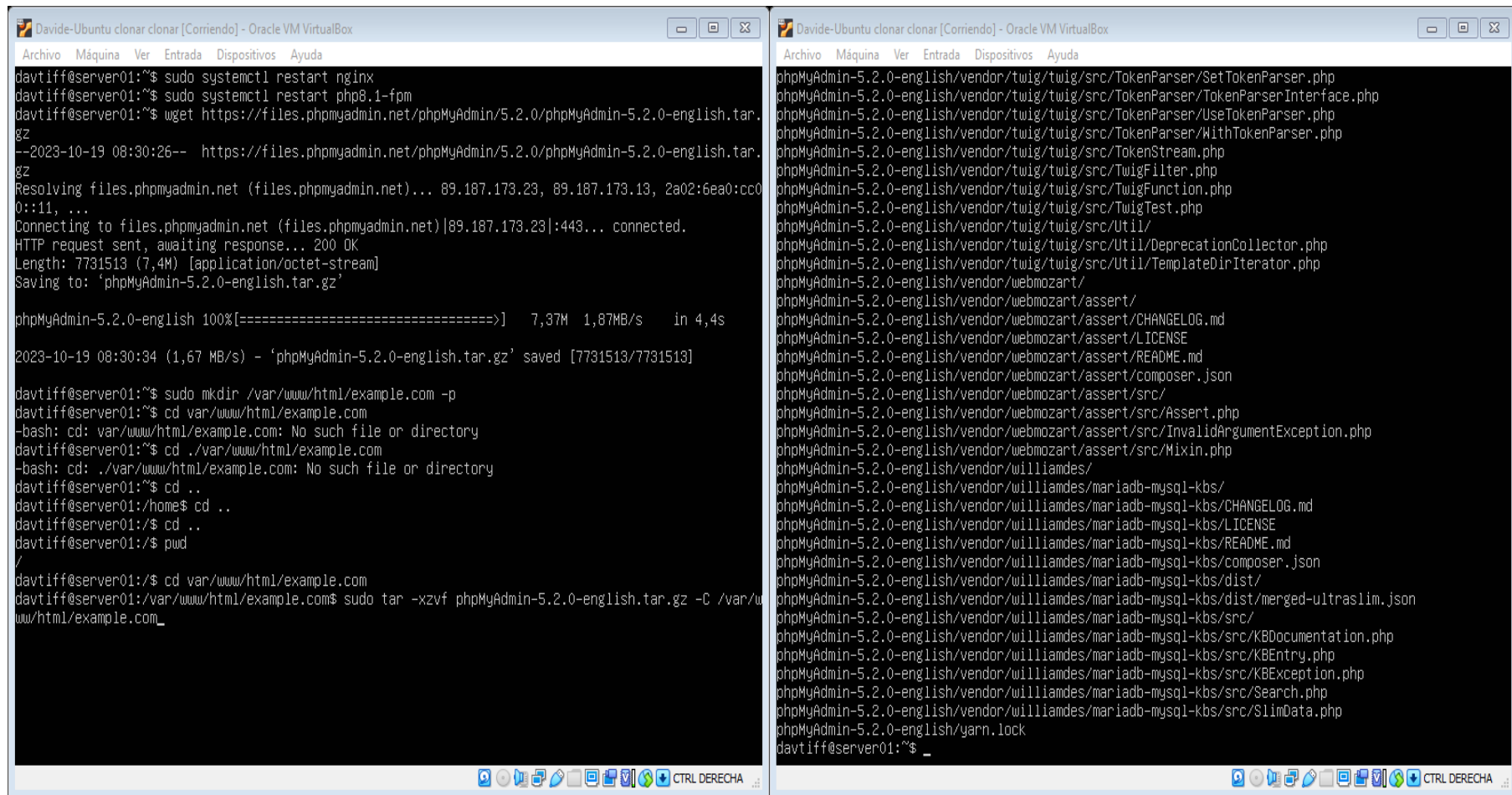
    ssl_protocols TLSv1 TLSv1.1 TLSv1.2 TLSv1.3; # Dropping SSLv3, ref: P00DLE
    ssl_prefer_server_ciphers on;

    ##
    # Logging Settings
    ##
}

-- INSERTAR --
```

1,11 Comienzo

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```
Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
davtiff@server01:~$ sudo systemctl restart nginx
davtiff@server01:~$ sudo systemctl restart php8.1-fpm
davtiff@server01:~$ wget https://files.phpmyadmin.net/phpMyAdmin/5.2.0/phpMyAdmin-5.2.0-english.tar.gz
--2023-10-19 08:30:26-- https://files.phpmyadmin.net/phpMyAdmin/5.2.0/phpMyAdmin-5.2.0-english.tar.gz
Resolving files.phpmyadmin.net (files.phpmyadmin.net)... 89.187.173.23, 89.187.173.13, 2a02:6ea0:cc0:0::11, ...
Connecting to files.phpmyadmin.net (files.phpmyadmin.net)[89.187.173.23]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 7731513 (7,4M) [application/octet-stream]
Saving to: 'phpMyAdmin-5.2.0-english.tar.gz'

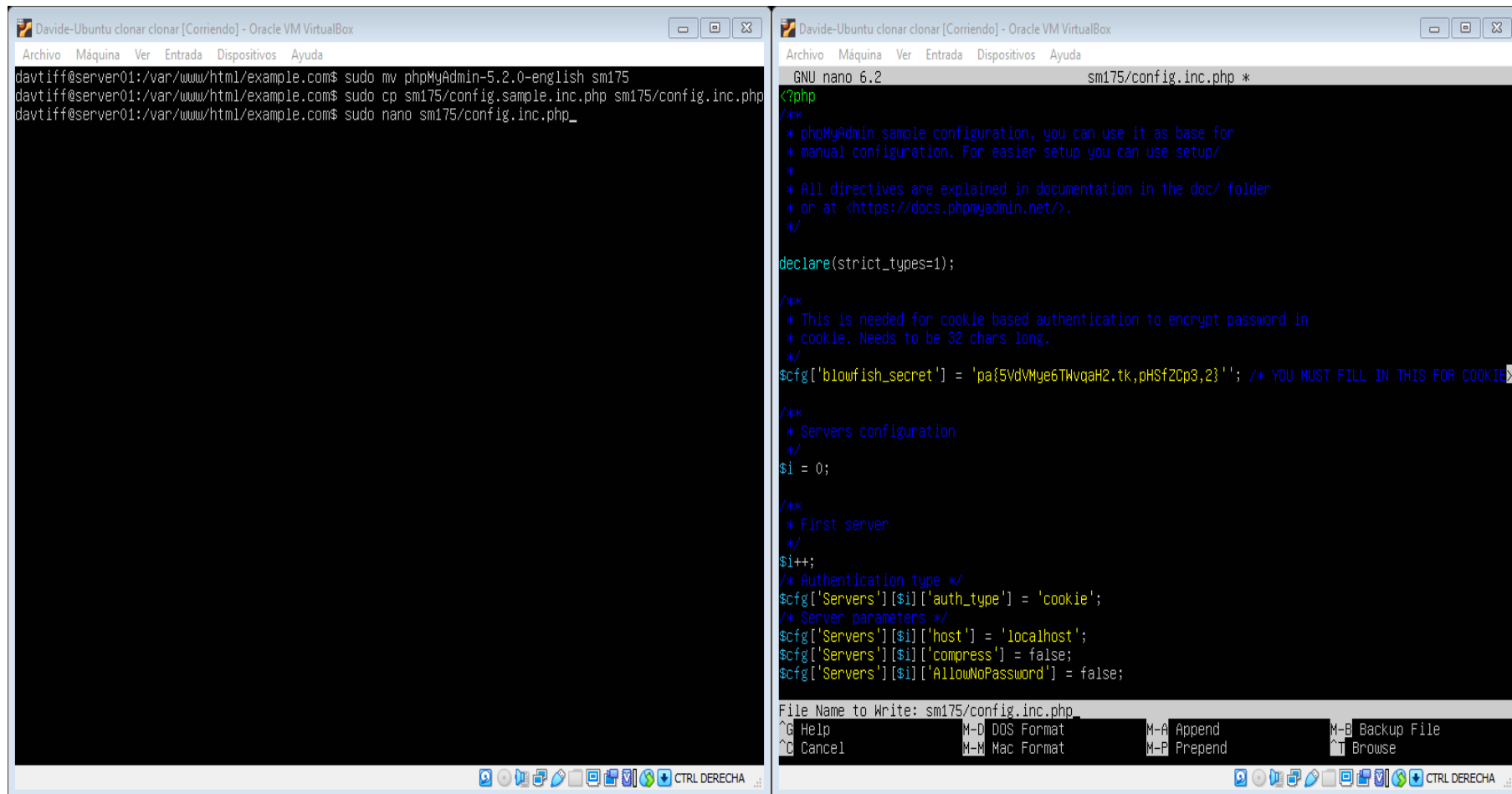
phpMyAdmin-5.2.0-english 100%[=====] 7,37M 1,87MB/s in 4,4s

2023-10-19 08:30:34 (1,67 MB/s) - 'phpMyAdmin-5.2.0-english.tar.gz' saved [7731513/7731513]

davtiff@server01:~$ sudo mkdir /var/www/html/example.com -p
davtiff@server01:~$ cd var/www/html/example.com
-bash: cd: var/www/html/example.com: No such file or directory
davtiff@server01:~$ cd ./var/www/html/example.com
-bash: cd: ./var/www/html/example.com: No such file or directory
davtiff@server01:~$ cd ..
davtiff@server01:~/home$ cd ..
davtiff@server01:/$ cd ..
davtiff@server01:/$ pwd
/
davtiff@server01:/$ cd var/www/html/example.com
davtiff@server01:var/www/html/example.com$ sudo tar -xvzf phpMyAdmin-5.2.0-english.tar.gz -C /var/www/html/example.com_

phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TokenParser/SetTokenParser.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TokenParser/TokenParserInterface.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TokenParser/UseTokenParser.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TokenParser/WithTokenParser.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TokenStream.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TwigFilter.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TwigFunction.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/TwigTest.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/Util/
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/Util/DeprecationCollector.php
phpMyAdmin-5.2.0-english/vendor/twig/twig/src/Util/TemplateDirIterator.php
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/CHANGELOG.md
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/LICENSE
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/README.md
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/composer.json
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/src/
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/src/Assert.php
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/src/InvalidArgumentException.php
phpMyAdmin-5.2.0-english/vendor/webmozart/assert/src/Mixin.php
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/CHANGELOG.md
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/LICENSE
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/README.md
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/composer.json
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/dist/
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/dist/merged-ultraslim.json
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/src/
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/src/KBDocumentation.php
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/src/KBEntry.php
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/src/KBException.php
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/src/Search.php
phpMyAdmin-5.2.0-english/vendor/williamdes/mariadb-mysql-kbs/src/SlimData.php
phpMyAdmin-5.2.0-english/yarn.lock
davtiff@server01:~$ _
```

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```
Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
davtiff@server01:/var/www/html/example.com$ sudo mv phpMyAdmin-5.2.0-english sm175
davtiff@server01:/var/www/html/example.com$ sudo cp sm175/config.sample.inc.php sm175/config.inc.php
davtiff@server01:/var/www/html/example.com$ sudo nano sm175/config.inc.php_

GNU nano 6.2 sm175/config.inc.php *
<?php
/**
 * phpMyAdmin sample configuration, you can use it as base for
 * manual configuration. For easier setup you can use setup/
 *
 * All directives are explained in documentation in the doc/ folder
 * or at <https://docs.phpmyadmin.net/>.
 */

declare(strict_types=1);

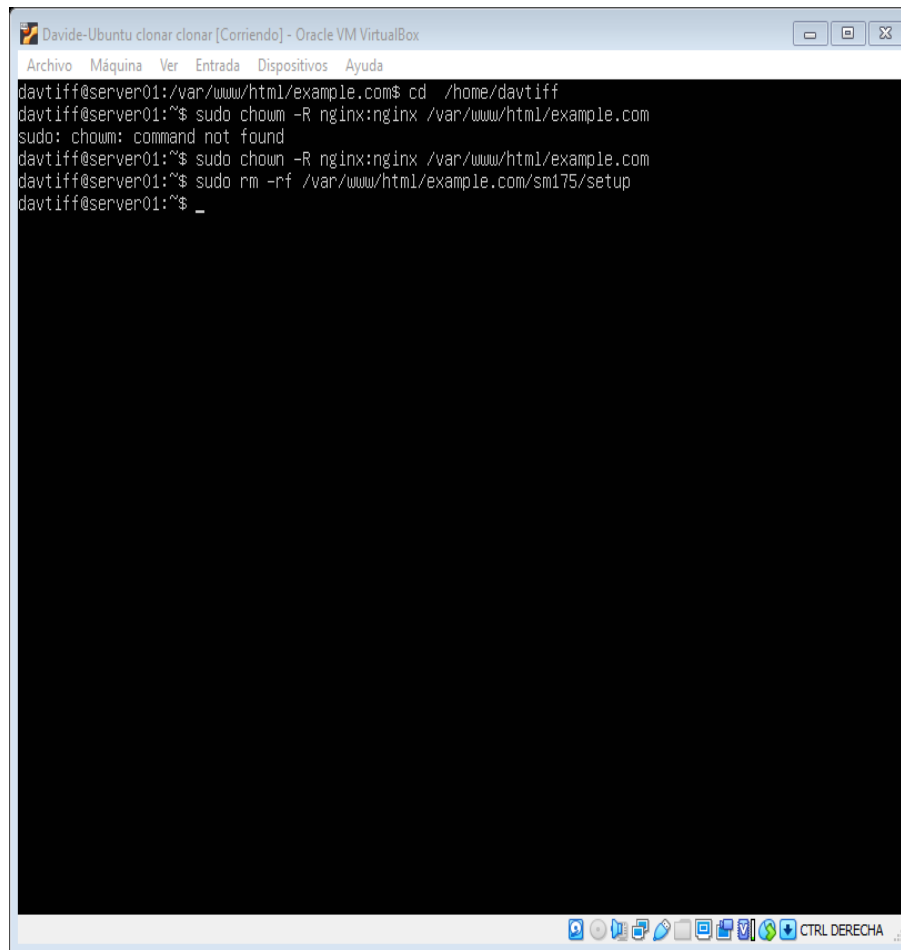
/**
 * This is needed for cookie based authentication to encrypt password in
 * cookie. Needs to be 32 chars long.
 */
$config['blowfish_secret'] = 'pa{5VdVMye6TWvqaH2.tk,pHSf2Cp3,2}'; /* YOU MUST FILL IN THIS FOR COOKIE

/*
 * Servers configuration
 */
$i = 0;

/**
 * First server
 */
/* Authentication type */
$config['Servers'][$i]['auth_type'] = 'cookie';
/* Server parameters */
$config['Servers'][$i]['host'] = 'localhost';
$config['Servers'][$i]['compress'] = false;
$config['Servers'][$i]['AllowNoPassword'] = false;

File Name to Write: sm175/config.inc.php
^G Help          M-D DOS Format   M-A Append       M-B Backup File
^C Cancel        M-M Mac Format   M-R Prepend      ^T Browse
CTRL DERECHA
```

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The screenshot shows a terminal window titled "Davide-Ubuntu clonar clonar [Corriendo] - Oracle VM VirtualBox". The terminal displays the following commands and outputs:

```
davtiff@server01:/var/www/html/example.com$ cd /home/davtiff
davtiff@server01:~$ sudo chown -R nginx:nginx /var/www/html/example.com
sudo: chown: command not found
davtiff@server01:~$ sudo chown -R nginx:nginx /var/www/html/example.com
davtiff@server01:~$ sudo rm -rf /var/www/html/example.com/sm175/setup
davtiff@server01:~$ _
```

The terminal window has a menu bar with "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The bottom status bar shows icons for various applications and the text "CTRL DERECHA".