

## Exercici 4: configurar PHP en Apache

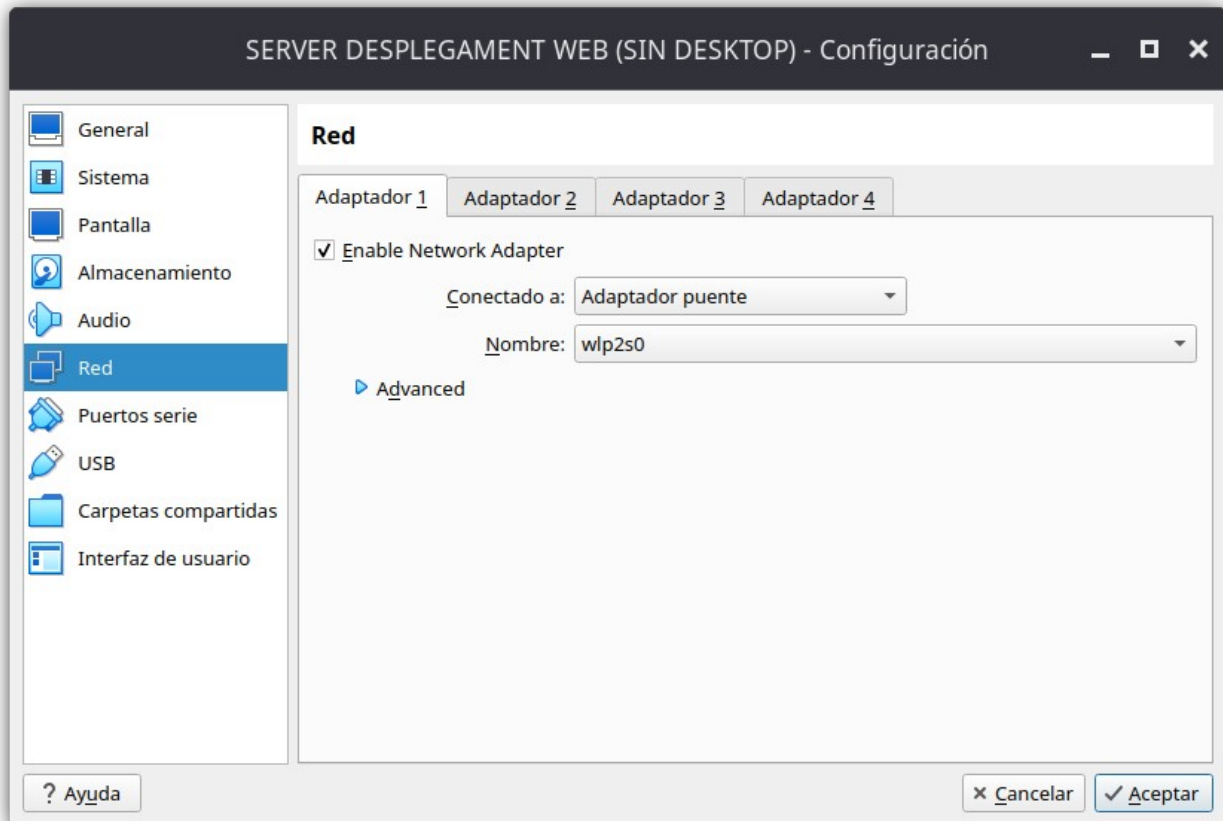
LUIS MUÑOZ NAVE

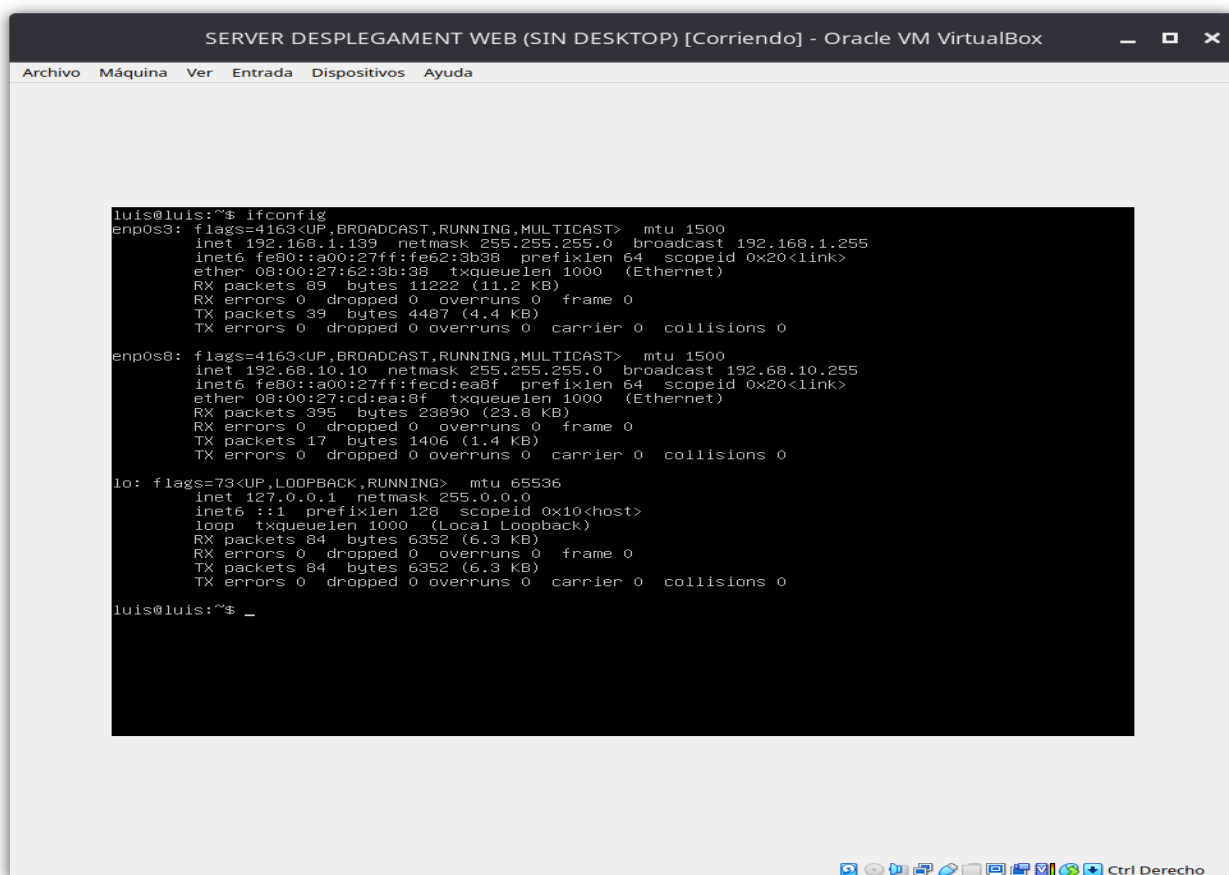
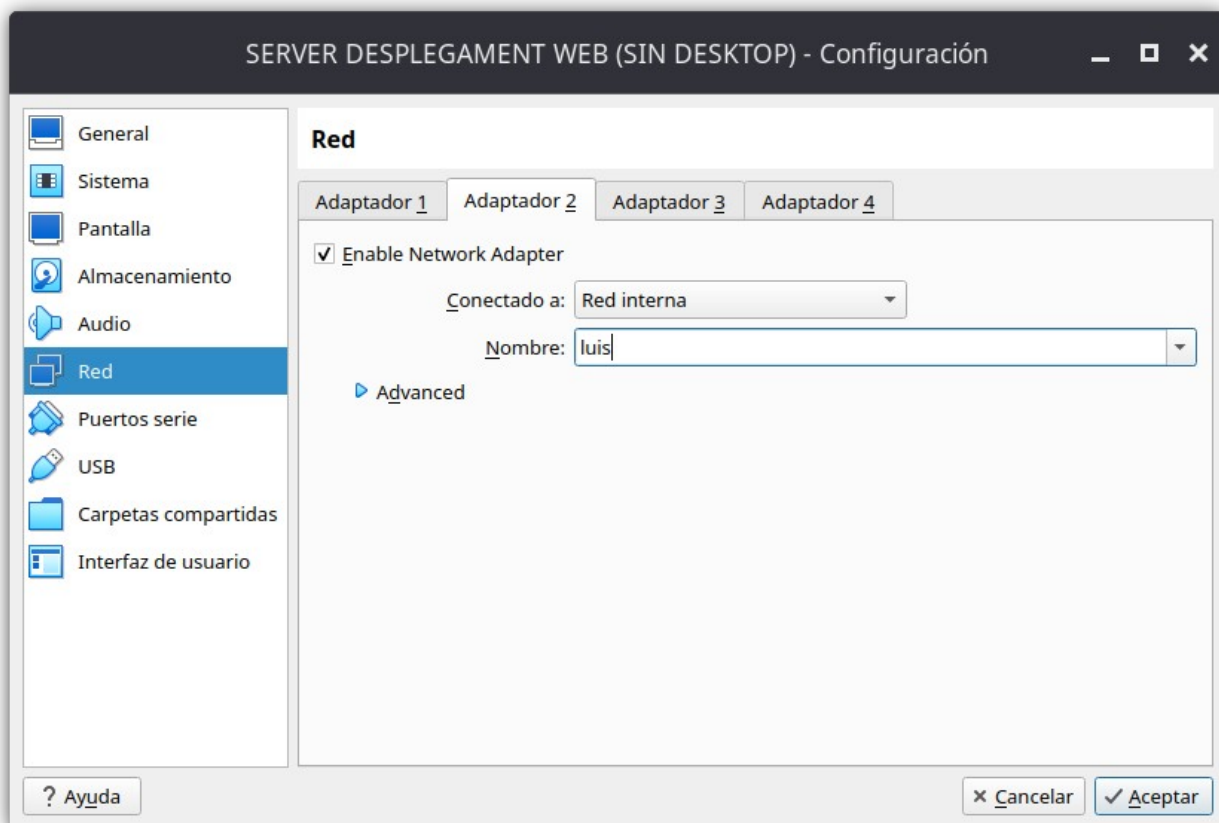
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2 adaptadors de xarxa.

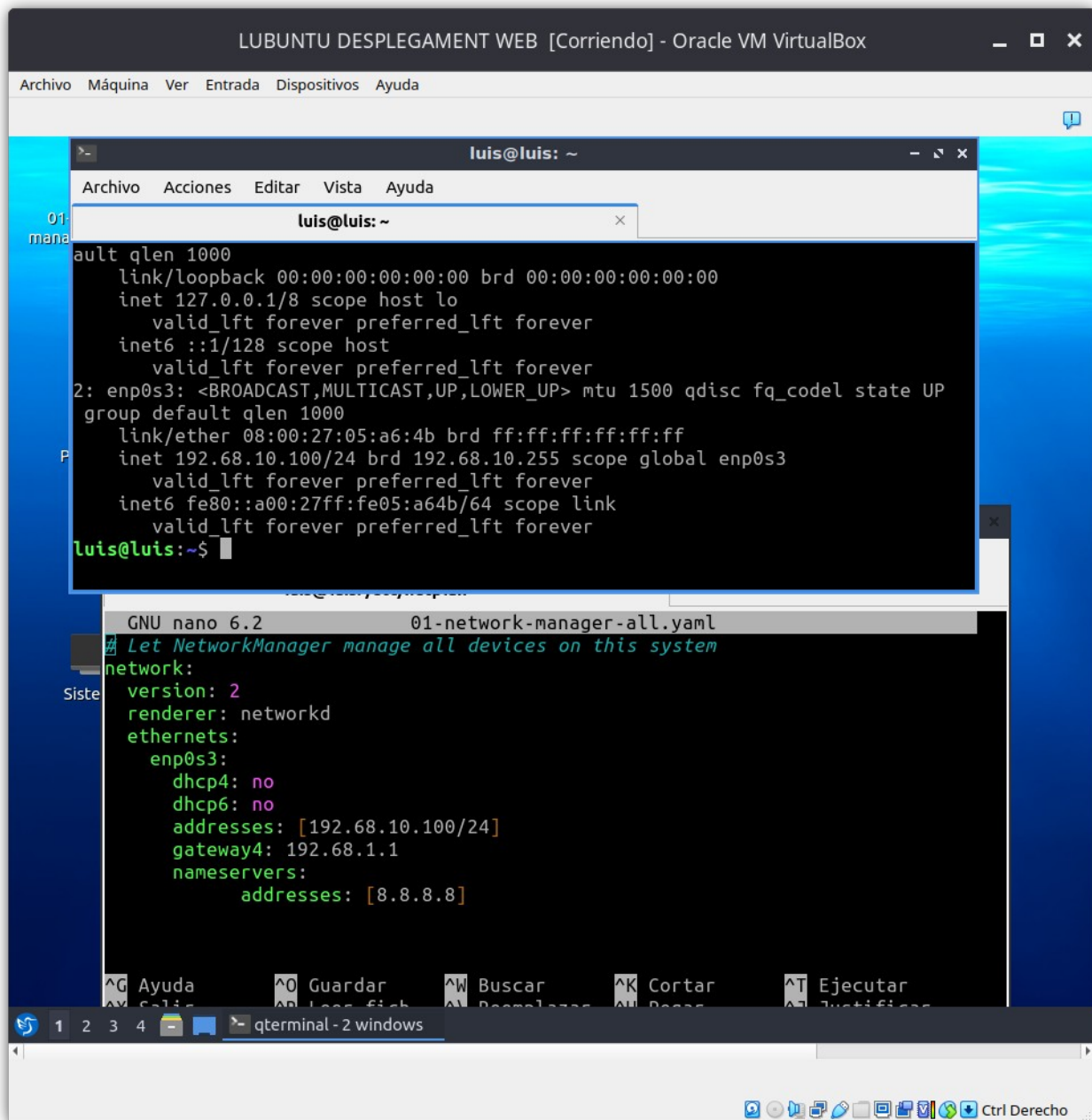
\* Xarxa interna.

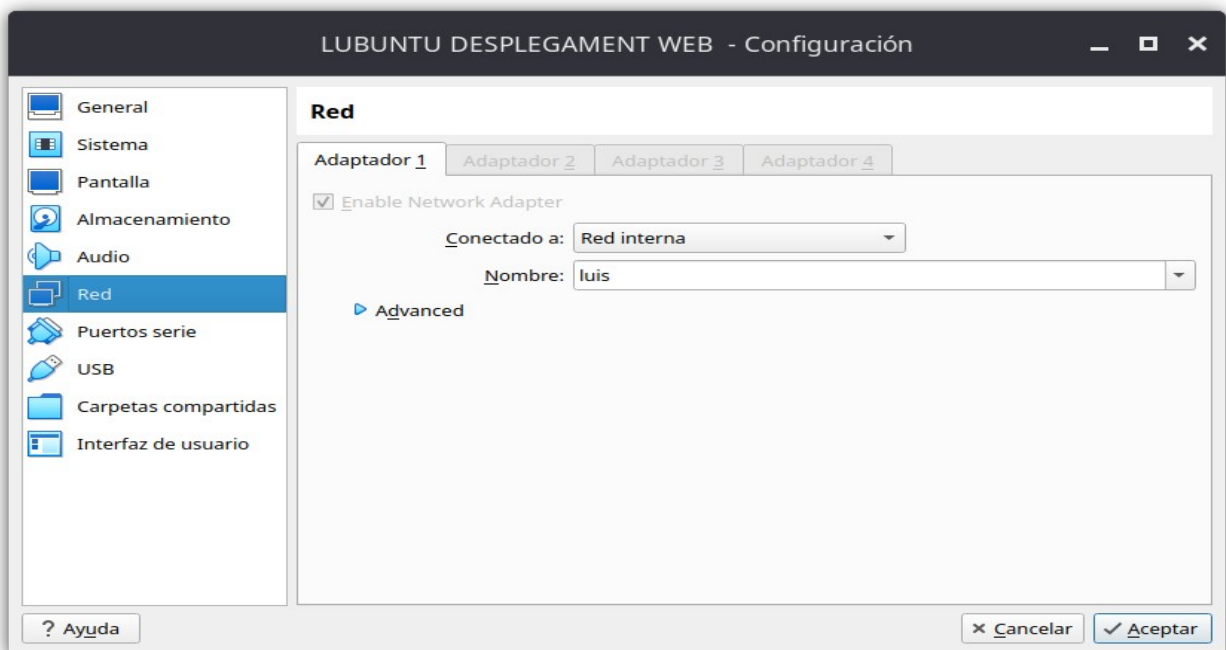
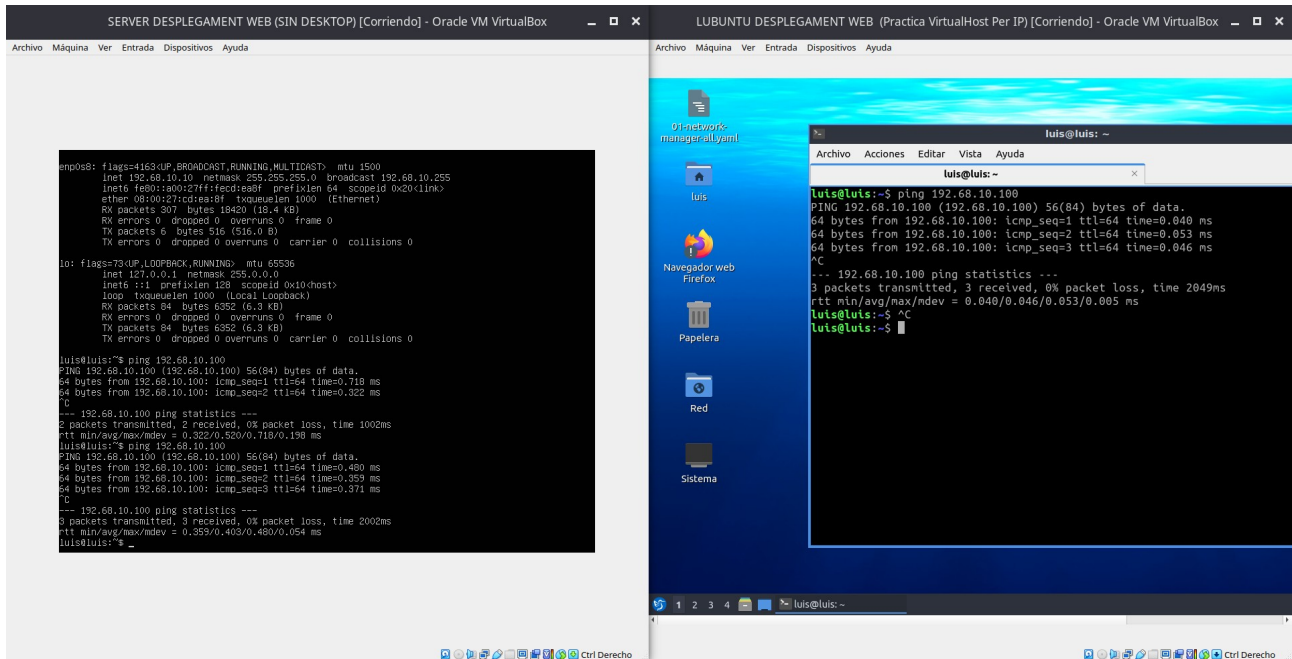
\* Adaptador pont.



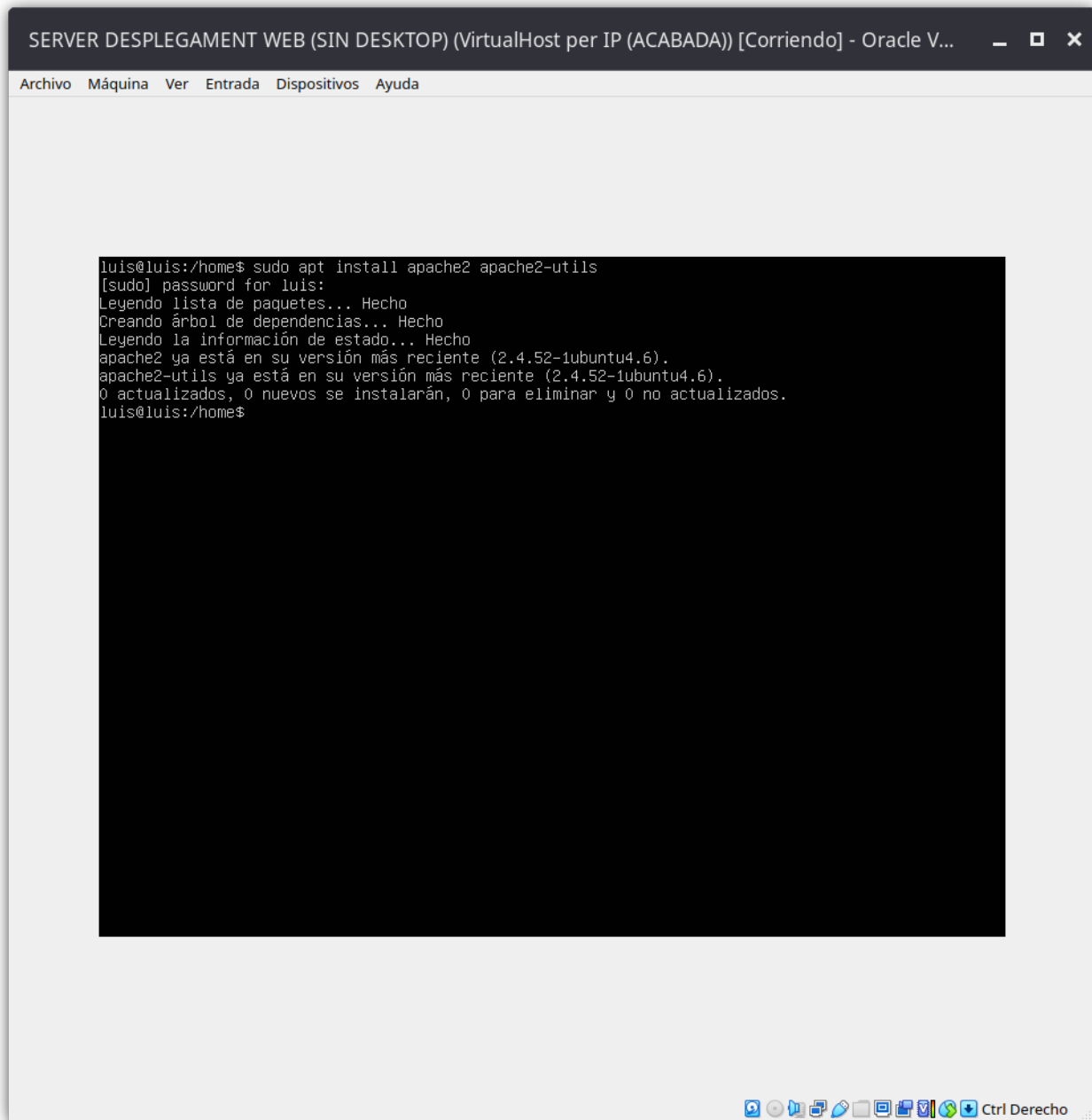


- Màquina virtual amb Lubuntu. -  
1 adaptador de xarxa.  
\* Xarxa interna  
• Màquina real amb accés al servidor.





Configurar Apache per a poder vore llocs web programats en PHP.



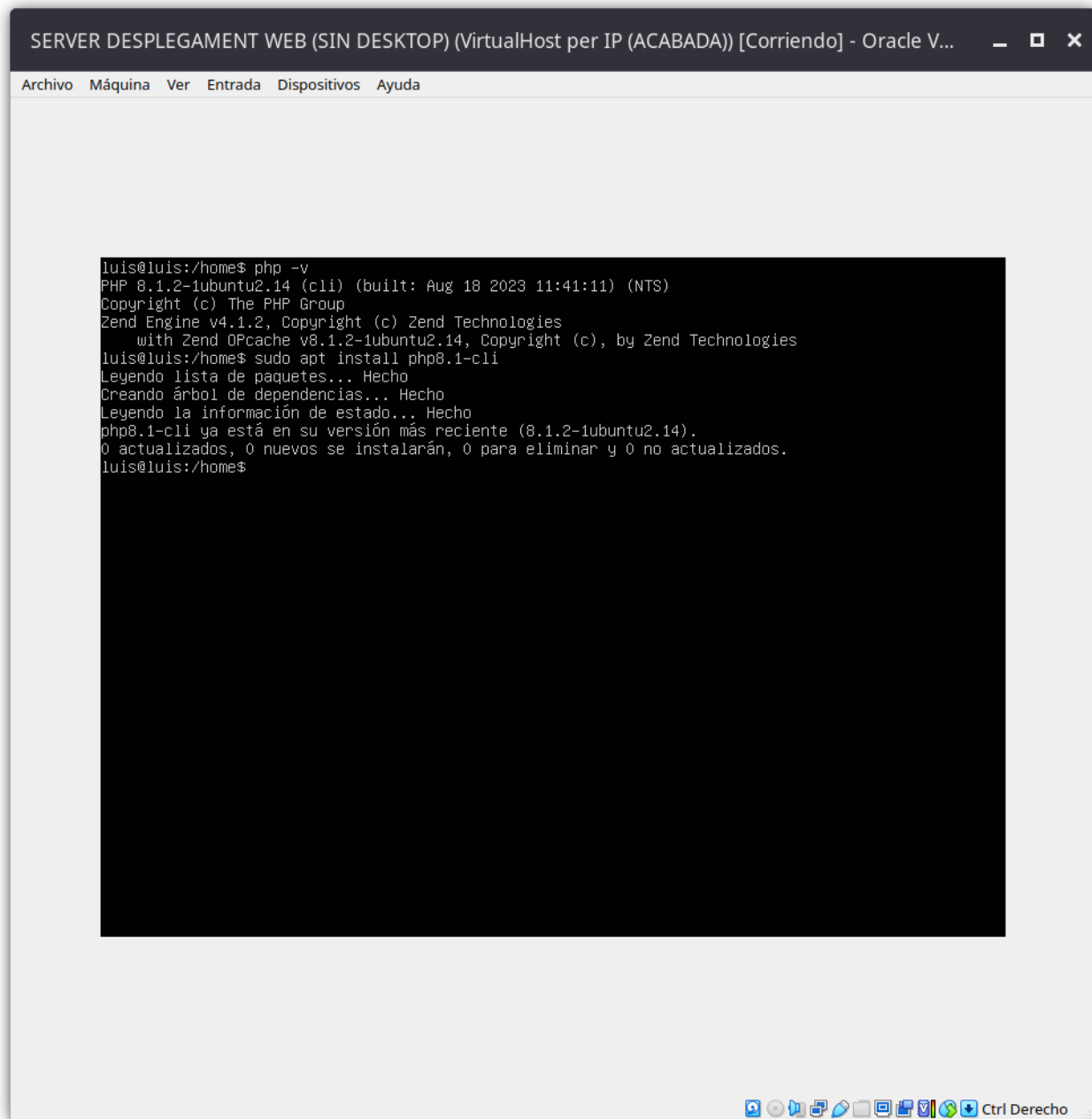
The image shows a terminal window titled "SERVER DESPLEGAMENT WEB (SIN DESKTOP) (VirtualHost per IP (ACABADA)) [Corriendo] - Oracle V...". The window has a menu bar with "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The terminal output shows the following commands and results:

```
luis@luis:/home$ sudo apt install apache2 apache2-utils
[sudo] password for luis:
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
apache2 ya está en su versión más reciente (2.4.52-1ubuntu4.6).
apache2-utils ya está en su versión más reciente (2.4.52-1ubuntu4.6).
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 0 no actualizados.
luis@luis:/home$
```

The terminal window has a dark background and a light-colored text. The output indicates that both packages are already installed at their latest versions. The window also features a taskbar at the bottom with various system icons and the text "Ctrl Derecho".

## Passes

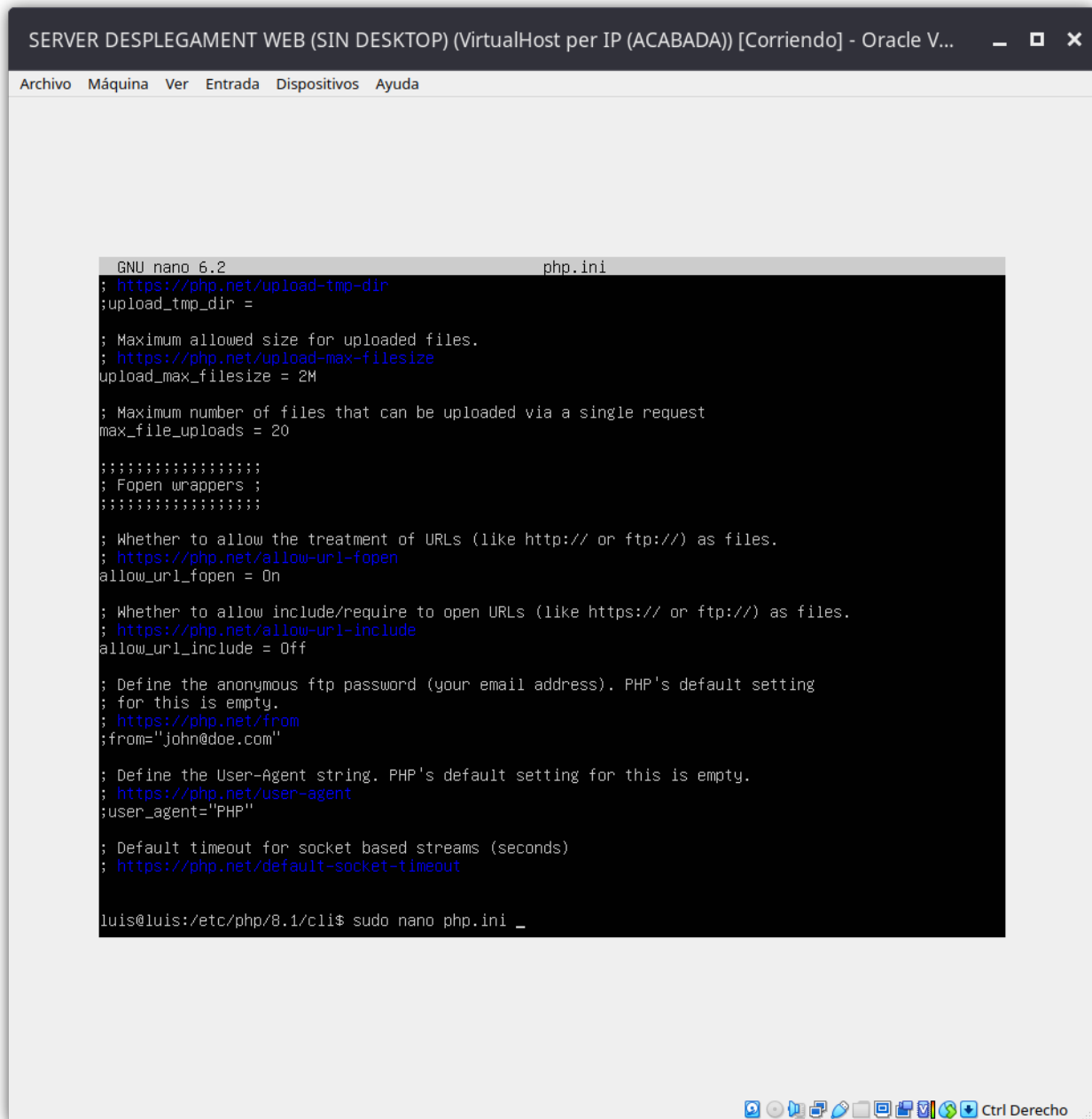
1. Instalar els paquets necessaris de PHP.



The screenshot shows a terminal window titled "SERVER DESPLEGAMENT WEB (SIN DESKTOP) (VirtualHost per IP (ACABADA)) [Corriendo] - Oracle V...". The terminal output shows the user running 'php -v' and 'sudo apt install php8.1-cli'. The output of 'php -v' shows PHP 8.1.2-1ubuntu2.14 (cli) (built: Aug 18 2023 11:41:11) (NTS) with Zend Engine v4.1.2 and Zend OPcache v8.1.2-1ubuntu2.14. The output of 'sudo apt install php8.1-cli' shows that the package is already installed and up-to-date.

```
luis@luis:/home$ php -v
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
luis@luis:/home$ sudo apt install php8.1-cli
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias... Hecho
Leyendo la información de estado... Hecho
php8.1-cli ya está en su versión más reciente (8.1.2-1ubuntu2.14).
0 actualizados, 0 nuevos se instalarán, 0 para eliminar y 0 no actualizados.
luis@luis:/home$
```

2. Editar/comprovar que el fitxer php.ini està ben configurat.



```
SERVER DESPLEGAMENT WEB (SIN DESKTOP) (VirtualHost per IP (ACABADA)) [Corriendo] - Oracle V...
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

GNU nano 6.2                                php.ini
; https://php.net/upload-tmp-dir
upload_tmp_dir =

; Maximum allowed size for uploaded files.
; https://php.net/upload-max-filesize
upload_max_filesize = 2M

; 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
allow_url_include = Off

; Define the anonymous ftp password (your email address). PHP's default setting
; for this is empty.
; https://php.net/from
;from="john@doe.com"

; Define the User-Agent string. PHP's default setting for this is empty.
; https://php.net/user-agent
user_agent="PHP"

; Default timeout for socket based streams (seconds)
; https://php.net/default-socket-timeout

luis@luis:/etc/php/8.1/cli$ sudo nano php.ini _
```

3. Comprobar que l'arxiu dir.conf és correcte.

```
SERVER DESPLEGAMENT WEB (SIN DESKTOP) (VirtualHost per IP (ACABADA)) [Corriendo] - Oracle V...
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

GNU nano 6.2 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

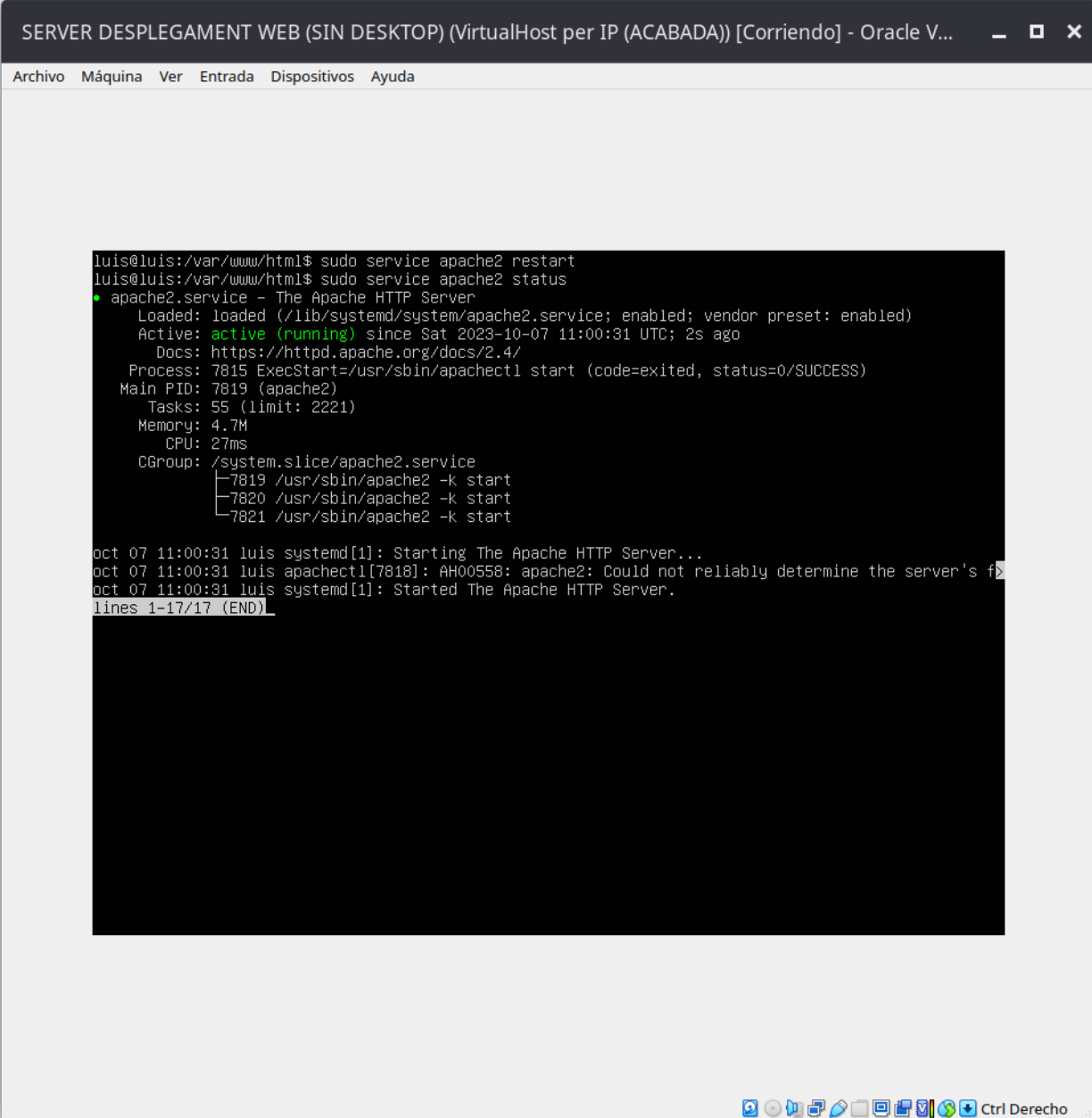
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_ Go To Line M-E Redo

[ Read 5 lines ]

Ctrl Derecho
```



#### 4. Reiniciar el servei d'Apache



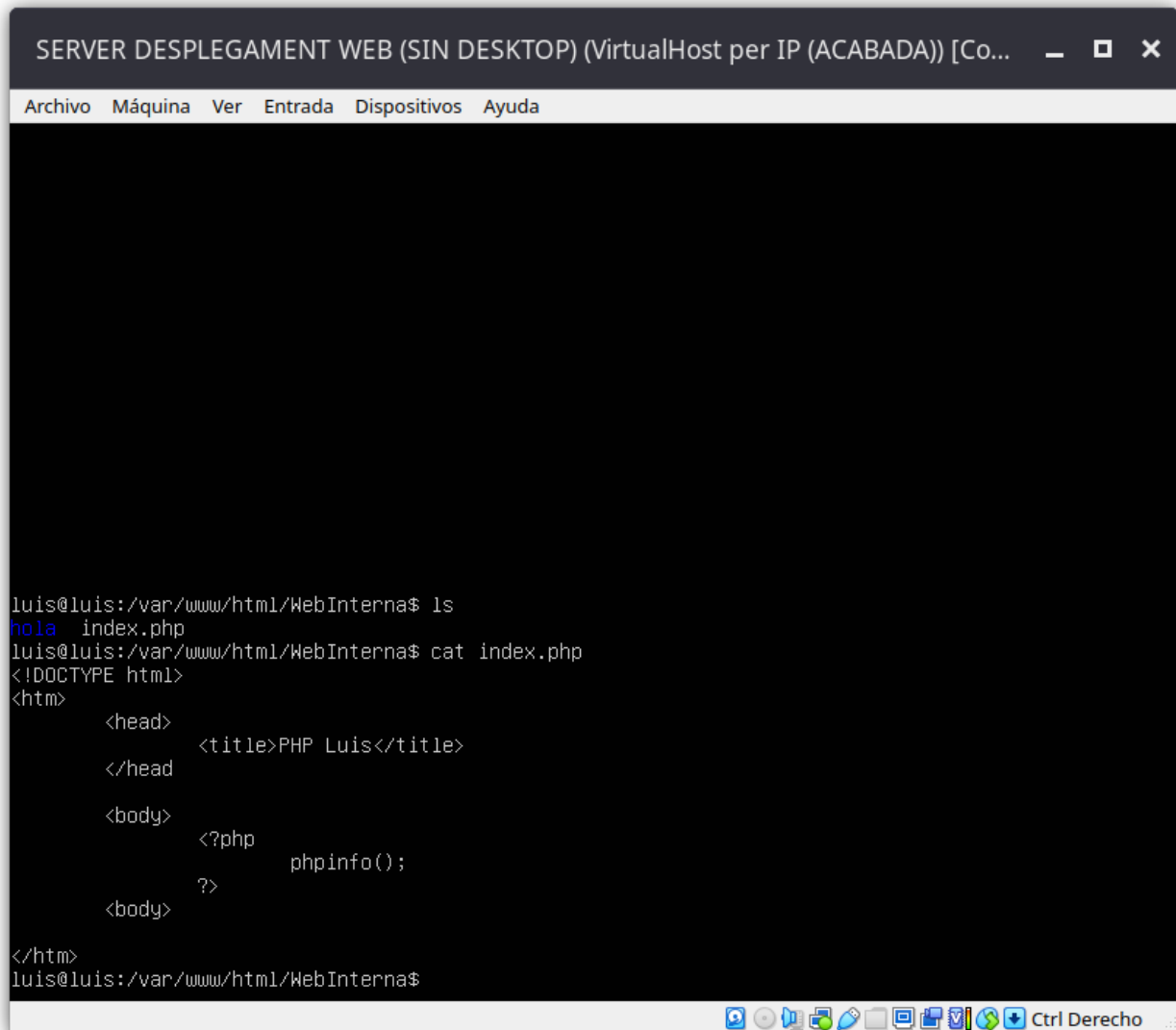
The screenshot shows a terminal window titled "SERVER DESPLEGAMENT WEB (SIN DESKTOP) (VirtualHost per IP (ACABADA)) [Corriendo] - Oracle V...". The terminal displays the following commands and output:

```
luis@luis:/var/www/html$ sudo service apache2 restart
luis@luis:/var/www/html$ sudo service apache2 status
• apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2023-10-07 11:00:31 UTC; 2s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 7815 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
  Main PID: 7819 (apache2)
    Tasks: 55 (limit: 2221)
   Memory: 4.7M
      CPU: 27ms
   CGroup: /system.slice/apache2.service
           └─7819 /usr/sbin/apache2 -k start
             └─7820 /usr/sbin/apache2 -k start
               └─7821 /usr/sbin/apache2 -k start

oct 07 11:00:31 luis systemd[1]: Starting The Apache HTTP Server...
oct 07 11:00:31 luis apachectl[7818]: AH00558: apache2: Could not reliably determine the server's f
oct 07 11:00:31 luis systemd[1]: Started The Apache HTTP Server.
lines 1-17/17 (END)
```

The terminal window has a menu bar with "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". At the bottom right, there is a system tray with various icons and the text "Ctrl Derecho".

5. Crear un fitxer index.php amb la funció phpinfo() per comprovar si funciona tot correctament.



The image shows a terminal window titled "SERVER DESPLEGAMENT WEB (SIN DESKTOP) (VirtualHost per IP (ACABADA)) [Co...". The terminal has a menu bar with "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The terminal content shows the following commands and output:

```
luis@luis:/var/www/html/WebInterna$ ls
hola index.php
luis@luis:/var/www/html/WebInterna$ cat index.php
<!DOCTYPE html>
<html>
  <head>
    <title>PHP Luis</title>
  </head>
  <body>
    <?php
        phpinfo();
    ?>
  </body>
</html>
luis@luis:/var/www/html/WebInterna$
```

The terminal window has a taskbar at the bottom with various icons and the text "Ctrl Derecho".



## PHP Version 8.1.2-1ubuntu2.14

System	Linux luis 5.15.0-86-generic #96-Ubuntu SMP Wed Sep 20 08:23:49 UTC 2023
Build Date	Aug 18 2023 11:41:11
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-p /8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2 /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext /8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/ /conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/a shmop.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/c /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-s /8.1/apache2/conf.d/20-tokenizer.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
Zend Extension Build	API420210902.NTS
PHP Extension Build	API20210902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled

