HERRAMIENTAS OPCIONALES

INSTALACION SSL

Ponemos este comando para instalarlo

```
root@joel-VirtualBox:/home/joel# apt install certbot python3-certbot-apache
```

```
root@joel-VirtualBox:/home/joel# certbot --apache
```

```
root@joel-VirtualBox:/home/joel# systemctl status certbot.timer
● certbot.timer - Run certbot twice daily
     Loaded: loaded (/lib/systemd/system/certbot.timer; enabled; preset: enable>
     Active: active (waiting) since Thu 2023-10-19 09:13:05 CEST; 6min ago
      Until: Thu 2023-10-19 09:13:05 CEST; 6min ago
    Trigger: Thu 2023-10-19 18:17:06 CEST; 8h left
   Triggers: ● certbot.service
```

Con este comando hacemos reload al server

```
root@joel-VirtualBox:/home/joel# systemctl reload apache2
```

INSTALACION GIT

Con este comando instalamos GIT

```
root@joel-VirtualBox:/home/joel# apt install git
```

Con este vemos GIT

```
root@joel-VirtualBox:/home/joel# git --version
git version 2.39.2
```

```
root@joel-VirtualBox:/home/joel# git
uso: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
           [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
           [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
           [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
           [--super-prefix=<path>] [--config-env=<name>=<envvar>]
           <command> [<args>]

Estos son comandos comunes de Git usados en varias situaciones:

comienza un área de trabajo (ver también: git help tutorial)
   clone     Clona un repositorio dentro de un nuevo directorio
   init      Crea un repositorio de Git vacío o reinicia el que ya existe
```

```
root@joel-VirtualBox:/home/joel# ssh-keygen -C "jsm0055@alu.medac.es"
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa): github.pub
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in github.pub
Your public key has been saved in github.pub.pub
The key fingerprint is:
SHA256:Bei2wH+RFCe+pOysP8FuCrus+tYHJiaNwfJx7rRKSeA jsm0055@alu.medac.es
The key's randomart image is:
```

```
root@joel-VirtualBox:/home/joel# cat github.pub.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQC8bMWbJRWGcHEzG0AgLQfqAxpxhtwko+ujk2aKmWwm
x0Q0rOKGGl6LOFO8wsP3i3a4PZDKNV0Uk0tgkVeiUJBD7Ql3s1HIEyOqLLrIb5XqYQqNZ0evYZ1kZzcC
4nkXbaa8j8zNPzEx2UTpmR9PjKlFUi9lDFOfdBp+QczUq9mbpcl9a9Wat7uNAzQ+0YXRMAXB6kOqT4Dl
jJ2vOD/+p0w+axZto5TZiOs1n7PRyfHA7SZ7gpWVYGeKTA2aQv1tzczKDxHc9tXBpMTpF+bn4xt2bxL2
zBe+igxsp/uQLnYT5GYRrDnA1Dom64FHH1V+V23ybVw5K2PcUgzAgHeocpToxl+HADnEMyYurD0RM7b2
15DReyypnuBwR1Y0A01SrHtKVwxHL/Rv4dMqbO9330kE7JIzq+gNDZW9fPOjJx0WgLmDUgbr9au70ZmM
3MHj2EvLsgyTsGjB3ID/x2hxl9u+h0jIYccxYHDRAuNcjQQsWkR3tPpFTaCX8Q12O4jsLxk= jsm0055
@alu.medac.es
```

Authentication Keys

INSTALACION DE XDEBUG

Con este comando instalamos XDEBUG

```
root@joel-VirtualBox:/home/joel# apt install php8.1-xdebug
```

```
root@joel-VirtualBox:/home/joel# systemctl reload apache2
```

```
root@joel-VirtualBox:/home/joel# nano index.php
```

```
  GNU nano 7.2                              index.php *
<?php
phpinfo();
?>
```

```
root@joel-VirtualBox:/home/joel# cd /etc/php/8.1/apache2
root@joel-VirtualBox:/etc/php/8.1/apache2# ls
conf.d  php.ini
root@joel-VirtualBox:/etc/php/8.1/apache2# nano php.ini
```

```
xdebug.mode=debug
xdebug.client_host=localhost
xdebug_client_port=9003
xdebug_idekey="VSCODE"
```

```
display_errors = On

; The display of errors which occur durin
; separately from display_errors. We stro
; for production servers to avoid leaking
; Default Value: On
; Development Value: On
; Production Value: Off
; https://php.net/display-startup-errors
display_startup_errors = On
```

```
root@joel-VirtualBox:/etc/php/8.1/apache2# systemctl restart apache2
```

localhost

PHP Version 8.1.12-1ubuntu4.3

php

System	Linux joel-VirtualBox 6.2.0-33-generic #33-Ubuntu SMP PREEMPT_DYNAMIC Tue Sep 5 14:49:19 UTC 2023 x86_64
Build Date	Aug 17 2023 17:37:48
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-mysqlnd.ini, /etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-mysqli.ini, /etc/php/8.1/apache2/conf.d/20-pdo_mysql.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysvmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini, /etc/php/8.1/apache2/conf.d/20-xdebug.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
```

# GIT ADD

```
joel@joel-VirtualBox:/var/www/joel/html$ git config --global user.name "JJOEEL"
joel@joel-VirtualBox:/var/www/joel/html$ git config --global user.mail "jsm0055@alu.medac.es"
joel@joel-VirtualBox:/var/www/joel/html$ git config --list
user.name=JJOEEL
user.mail=jsm0055@alu.medac.es
```

```
root@joel-VirtualBox:/var/www/joel/html# git clone https://github.com/JJ0EEL/test.git
Clonando en 'test'...
Username for 'https://github.com': JJ0EEL
Password for 'https://JJ0EEL@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-wi
th-https-urls for information on currently recommended modes of authentication.
fatal: Autenticación falló para 'https://github.com/JJ0EEL/test.git/'
root@joel-VirtualBox:/var/www/joel/html# git remote set-url origin https://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@git
hub.com/JJ0EEL/test.git
```

```
root@joel-VirtualBox:/home/joel/Escritorio# git clone https://github.com/JJOEEL/test.git
Clonando en 'test'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Recibiendo objetos: 100% (3/3), listo.
```

```
root@joel-VirtualBox:/home/joel/Escritorio/test# ls
README.md
```

```
root@joel-VirtualBox:/home/joel/Escritorio/test# echo "Buenos dias" > "index.html"
root@joel-VirtualBox:/home/joel/Escritorio/test# ls
index.html   README.md
```

```
root@joel-VirtualBox:/home/joel/Escritorio/test# git add index.html
root@joel-VirtualBox:/home/joel/Escritorio/test# git commit -m "1º commit"
[main 9e4b1c7] 1º commit
 1 file changed, 1 insertion(+)
 create mode 100644 index.html
root@joel-VirtualBox:/home/joel/Escritorio/test# git push origin main
Username for 'https://github.com': JJOEEL
Password for 'https://JJOEEL@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-wi
th-https-urls for information on currently recommended modes of authentication.
fatal: Autenticación falló para 'https://github.com/JJOEEL/test.git/'
```

```
root@joel-VirtualBox:/home/joel/Escritorio/test# git remote set-url origin https://ghp_P8n1Xf7w37vGXnVIjdK8XzOLQQINyl3T
xcwO@github.com/JJ0EEL/test.git
```