

# Digital Ocean Configure Git & Apache Cheat Sheet

This sheet is to show how to configure Apache and Git for a new droplet.

Use a command line to connect to the droplet. The following commands will install & configure Git on the droplet. Git needs to be installed at the root level of the Droplet. When done, you can start cloning Git repositories to the droplet.

**Note:** Git repos should cloned into ~/var/www/html/**Name-of-repo**  
In this example it will be:  
root@**NameofDroplet**:/var/www/html/**NameofRepo**

The root in this example uses the name of the Droplet.  
root@ApacheDynamicSite:/var/www/html/wats1030-dynamic-page

## From Terminal:

Connect to the droplet:  
ssh root@**ip address**

## INSTALL GIT TO THE DROPLET.

root@ApacheDynamicSite:~# sudo apt-get install git

## SET GIT ON THIS DROPLET TO USE THIS NAME.

root@ApacheDynamicSite:~# git config --global user.name “**Name**”

## SET GIT ON THIS DROPLET TO USE THIS EMAIL.

root@ApacheDynamicSite:~# git config --global user.email “**email**”

## CREATE SSH KEY

root@ApacheDynamicSite:~# ssh-keygen -t rsa -b 4096 -C “**email**”

## CREATE SPECIFIC ID FOR SSH

root@ApacheDynamicSite:~# eval “\$(ssh-agent -s)”

## ADD ID TO THE SSH KEY

root@ApacheDynamicSite:~# ssh-add ~/.ssh/id\_rsa

## SHOW ME THE PUBLIC SSH KEY. SO I CAN PASTE IT INTO GITHUB.COM

root@ApacheDynamicSite:~# cat ~/.ssh/id\_rsa.pub

Go to: Github.com/settings/SSH and GPG keys  
Use a title that helps you remember what this key is for.  
Paste the key here.

## CHANGE TO WEB ROOT DIRECTORY

root@ApacheDynamicSite:~# cd ..  
root@ApacheDynamicSite:~# cd /var/www/html

## CLONE MY GIT FORK INTO MY DROPLET.

root@**ApacheDynamicSite**:/var/www/html/**wats1030-dynamic-page**#  
git clone git@github.com:**GithubUserName**/**GithubRepo**

## CHECK YOUR WORK.

root@ApacheDynamicSite:/var/www/html/wats1030-dynamic-page# ls  
THE CLONE IS HERE!  
wats1030-dynamic-page

## Next, Configure Apache to present the info in this droplet/this directory

This exercise contains sample files. Some of these files are the website we want to present, others are used to tell Apache what to do.

## COPY MOVE & RE-NAME THE DEFAULT APACHE CONFIG FILE

cp /etc/apache2/sites-available/**000-default.conf** /etc/apache2/sites-available/**sub-domain.domain.com.conf**  
This will put the config file where Apache can find it.

## OPEN OUR NEWLY CREATED CONFIG FILE AND MODIFY IT.

Change directory to: ~/etc/apache2/sites-available

root@ApacheDynamicSite:/etc/apache2/sites-available# less **sub-domain.domain.conf**

Tell Apache your **sub-domain.domain**.  
Show Apache the path to your files.  
Tell Apache which file to display.

## TELL APACHE, THIS IS THE DEFAULT CONFIG TO USE.

root@ApacheDynamicSite:~# sudo a2ensite **subdomain.domain.com.conf**

## RE-START APACHE

root@ApacheDynamicSite:~# service apache2 reload

```
root@ApacheDynamicSite:~# cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDBVGMV+yk3CeUv/qR+CFeX0yuodA+6Hz10zUxfhGU0r0
0AqJ0ZipsJbWi87dtrB76xW1h+KiPwaM5hy9dMYE1hiYt0nTpIWEJ/PaMr0t2410Bw04NTdnPocINcRfgS
Dho9upBPEx596s2nkRQKhjhXyLa8ykBIEnBllE8I1e+N8TGzgGxA1HLEfdAZQN61u5bWNHfL8AqEijJN2g
EFh4gY10jLLxy7/vbJ2naZ0202WMKhIACaK+m10Hm5kMi5kxrcNSvTUEdmYXmx42ptxLnFFAwarpqt0h9
fd7Fd90eZb0d+5vBkdH+4iM9Jz7NK2X/nku1sF95mLBAzJAFUK9z3NFw/3/cPWemQqeq8CT+cHIDtKa08G
YX6oPd2DPsHq0Yf0t397WAu07VQzbHikNVs4a2V+YLo84XxLCRGStTnaYE/zfWUUFcj866wi3Jwb5d8abS
9qCv88K66Lu3ZcnP+CM0s722o4i0QEaHjAkRpMOMJY6uNyqrGtRGdg6VEcEvLwnCe1c2jm1KVq5QMGeq8v
HJCx3H0z/qqhgu/yQl+cdTqG2/VSL9pZeQf0LMJYD1hcMutKBbBdAlq/0wi2Nt4fasFx5z1mV4r/jo00k
DcMcyfWUCAsACKgg8d4EypxzknjXYbMvL7mL7a2/NQ== mkgalligar@gmail.com
root@ApacheDynamicSite:~#
```

Signed in as Mike

Your profile

Your stars

Explore

Integrations

Help

Settings

Sign out

Personal settings

Profile

Account

Emails

Notifications

Billing

SSH and GPG keys

Security

OAuth applications

Personal access tokens

Repositories

Organizations

ApacheDynamicSite

Fingerprint: 1c:c2:ef:3b:78:d4:de:94:67:44:54:d8:92:2f:dd:b8

Added on Jul 26, 2016 — Last used within the last 2 weeks

Title

Key

Begins with 'ssh-rsa', 'ssh-dss', 'ssh-ed25519', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp521'

Add SSH key

Re-name this to this