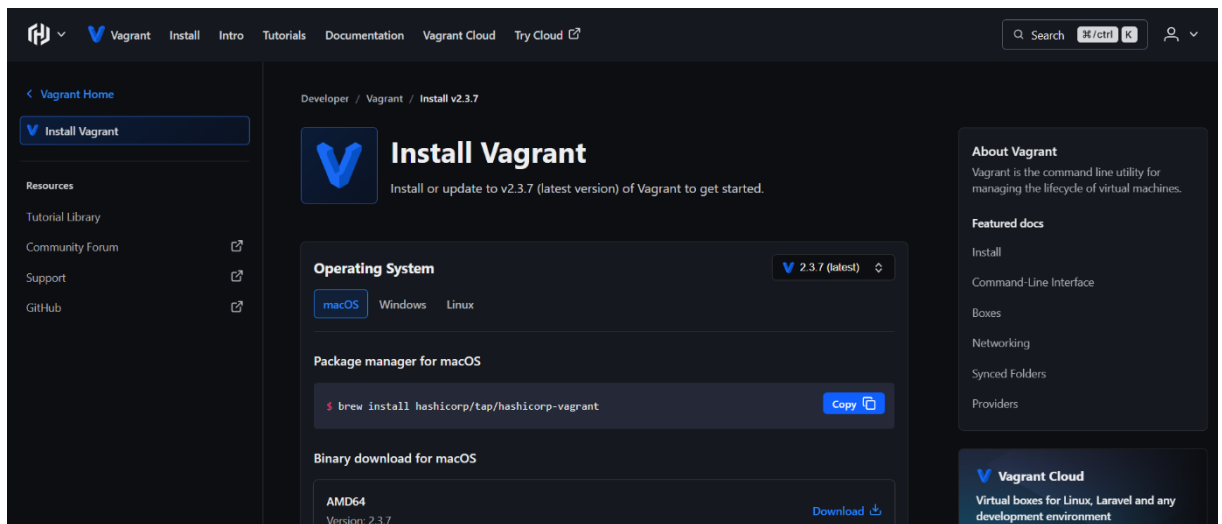


How to install Vagrant on your personal computer

Mac OSx

- Download VirtualBox from this [link](#)
- Install VirtualBox
- Download Vagrant from this [link](#)



- Install Vagrant
- Open the Terminal application:
 - Now you will execute command line in your Terminal (each of them start with \$)
 - Add the **Ubuntu 20.04 (Focal)** image to your box list: `$ vagrant box add ubuntu/focal64` **Warning: this step can take time**
 - Many other images are available [here](#)
- Create your first virtual machine:
 - `$ vagrant init ubuntu/focal64` -> it will generate a Vagrantfile with `base = "ubuntu/focal64"` - *you don't have to execute this command line everyday, only once, to create a new virtual machine*

```
Papa-Muziko:vagrant salva$ vagrant init ubuntu/trusty64
A 'Vagrantfile' has been placed in this directory. You are now
ready to 'vagrant up' your first virtual environment! Please read
the comments in the Vagrantfile as well as documentation on
'vagrantup.com' for more information on using Vagrant.
Papa-Muziko:vagrant salva$
Papa-Muziko:vagrant salva$ ls -l
total 8
-rw-r--r-- 1 salva staff 3027 Aug 28 17:53 Vagrantfile
Papa-Muziko:vagrant salva$
```

- `$ vagrant up` -> it will start your virtual machine

```
Papa-Muziko:vagrant salva$ vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
=> default: Importing base box 'ubuntu/trusty64'...
=> default: Matching MAC address for NAT networking...
=> default: Checking if box 'ubuntu/trusty64' is up to date...
=> default: A newer version of the box 'ubuntu/trusty64' is available! You currently
=> default: have version '20160822.0.0'. The latest is version '20170811.0.1'. Run
=> default: 'vagrant box update' to update.
=> default: Setting the name of the VM: vagrant_default_1583960833638_93726
=> default: Clearing any previously set forwarded ports...
=> default: Clearing any previously set network interfaces...
=> default: Preparing network interfaces based on configuration...
    default: Adapter 1: nat
=> default: Forwarding ports...
    default: 22 => 2222 (adapter 1)
=> default: Booting VM...
=> default: Waiting for machine to boot. This may take a few minutes...
    default: SSH address: 127.0.0.1:2222
    default: SSH username: vagrant
    default: SSH auth method: private key
    default: Warning: Remote connection disconnect. Retrying...
    default: Warning: Remote connection disconnect. Retrying...
    default:
    default: Vagrant insecure key detected. Vagrant will automatically replace
    default: this with a newly generated keypair for better security.
    default:
    default: Inserting generated public key within guest...
    default: Removing insecure key from the guest if it's present...
    default: Key inserted! Disconnecting and reconnecting using new SSH key...
=> default: Machine booted and ready!
[default] GuestAdditions versions on your host (5.0.20) and guest (4.3.36) do not match.
stdin: is not a tty
* Stopping VirtualBox Additions
..done.
stdin: is not a tty
Reading package lists...
Building dependency tree...
Reading state information...
The following packages were automatically installed and are no longer required:
acl at-spi2-core colord dconf-gsettings-backend dconf-service dmcc fakeroot
fontconfig fontconfig-config fonts-dejavu-core gcc gcc-4.8
hicolor-icon-theme libasan0 libasound2 libasound2-data libatk-bridge2.0-0
```

- `$ vagrant ssh` -> now you are inside your virtual machine.

```
vagrant — vagrant@vagrant-ubuntu-trusty-64: ~ — ssh · vagrant ssh — 156x42
Installing additional modules ...
Removing existing VirtualBox DKMS kernel modules ...done.
Removing existing VirtualBox non-DKMS kernel modules ...done.
Building the VirtualBox Guest Additions kernel modules ...done.
Doing non-kernel setup of the Guest Additions ...done.
Starting the VirtualBox Guest AdditionsInstalling the Window System drivers
Could not find the X.Org or XFree86 Window System, skipping.
...done.
stdin: is not a tty
=> default: Checking for guest additions in VM...
=> default: Mounting shared folders...
    default: /vagrant => /Users/salva/vagrant
Papa-Muzika:vagrant salva$
Papa-Muzika:vagrant salva$
Papa-Muzika:vagrant salva$ vagrant ssh
Welcome to Ubuntu 14.04.5 LTS (GNU/Linux 3.13.0-93-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

System information as of Tue Aug 29 00:54:20 UTC 2017

System load:  0.41               Processes:    81
Usage of /:   3.5% of 39.34GB    Users logged in:  0
Memory usage: 25%              IP address for eth0: 10.0.2.15
Swap usage:   0%

Graph this data and manage this system at:
https://landscape.canonical.com/

Get cloud support with Ubuntu Advantage Cloud Guest:
http://www.ubuntu.com/business/services/cloud

0 packages can be updated.
0 updates are security updates.

Now release '16.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

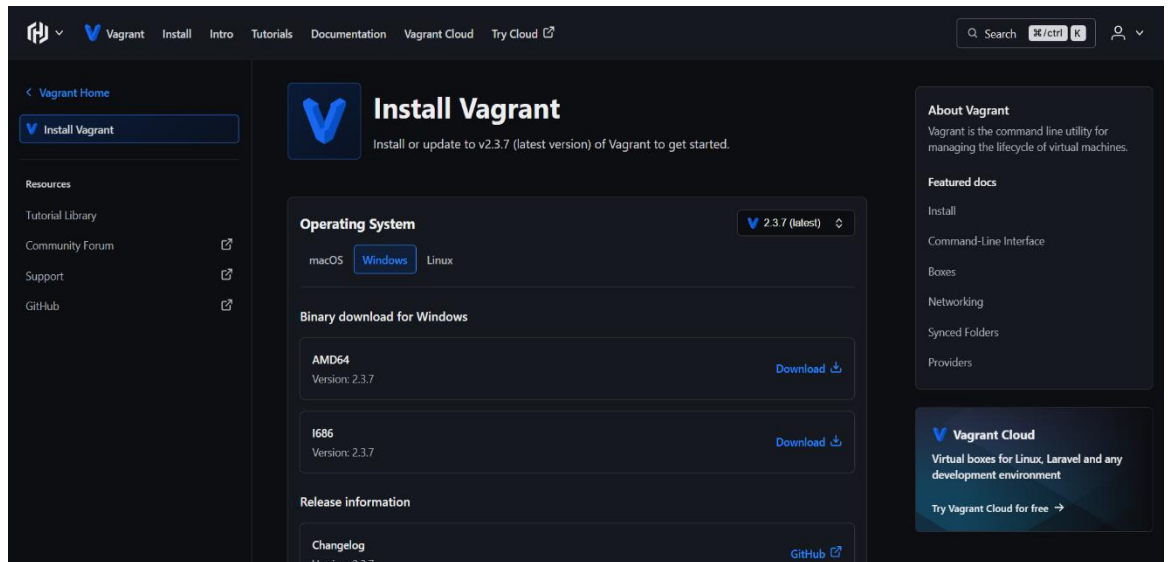
vagrant@vagrant-ubuntu-trusty-64:~$ uname
Linux
vagrant@vagrant-ubuntu-trusty-64:~$
```

Windows

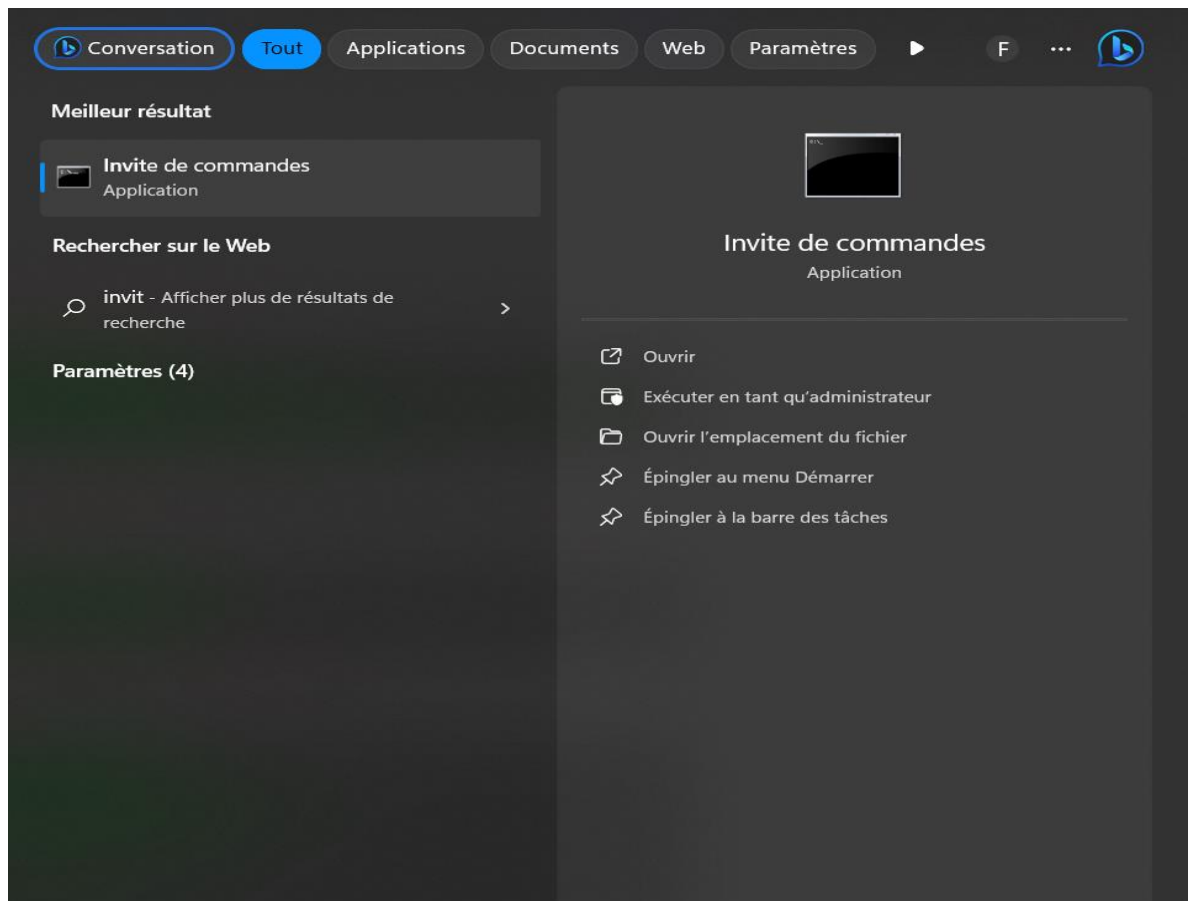
- Download VirtualBox from this [link](#)

The image shows the VirtualBox website. On the left is a sidebar with links: About, Screenshots, Downloads, Documentation (with sub-links for End-user docs and Technical docs), Contribute, and Community. The main content area has the VirtualBox logo at the top, followed by a 'Download VirtualBox' section. This section includes a link to binaries, a note about the license, and a list of platform packages for VirtualBox 7.0.10: Windows hosts, macOS / Intel hosts, Linux distributions, Solaris hosts, and Solaris 11 IPS hosts. There is also a 'Note' at the bottom stating that after upgrading VirtualBox, it is recommended to upgrade the guest additions as well. The website has a blue header and footer with navigation links like 'Page d'accueil', 'Index', and 'Historique'.

- Install VirtualBox
- Download Vagrant from this [link](#)



- Install Vagrant
- Open the command prompt



- Add the **Ubuntu 20.04 (Focal)** image to your box list:
 - `C:\Users\elmar> vagrant box add ubuntu/focal64` **Warning: this step can take time**
 - Many other images are available here
 -
- Create your first virtual machine:

- `C:\Users\elmar> vagrant init ubuntu/focal64` -> it will generate a Vagrantfile with `base = "ubuntu/focal64"` -you don't have to execute this command line everyday, only once, to create a new virtual machine
- `C:\Users\elmar> vagrant plugin install vagrant-vbguest` -> to avoid issue with the last version of Vagrant (2.2.4 or latest)
- `C:\Users\elmar> vagrant up` -> it will start your virtual machine
- `C:\Users\elmar> vagrant ssh` -> now you are inside your virtual machine.