

Florida Drupal Camp 2017 DrupalVM Pre-requisites

Prior to arriving for the one-day course, you should have the following downloaded and installed to your laptop:

- Virtualbox
- Vagrant
- The DrupalVM Box

This guide will help you do just that.

What you need

1. A laptop. If you bring a desktop we can't guarantee outlets.
2. The ability to install and configure software on your laptop. This often means administrative privileges.
3. The knowledge of how to use the operating system on your laptop including navigating the file system, starting and stopping programs, and installing software.
4. The following software downloaded and installed:

Virtualbox

Virtualbox provides the host to guest operating system virtualization software that is needed to use Vagrant and DrupalVM.

Virtualbox is [available](#) for Windows, OS X, and Linux. You should choose the latest platform packages for the operating system you are using.

After you download the installer go ahead and install it by following the on-screen prompts.

You can read more about Virtualbox at virtualbox.org.

You can verify it is installed correctly by starting the graphical program:



Vagrant

Vagrant works with Virtualbox to enable portable virtual operating system images. It also can provision and configure these images repeatably and reset them to a known saved state.

Vagrant is [available](#) for Windows, Linux, and OS X operating systems. Please download it now and install it.

Verify Vagrant is installed by opening a command prompt and typing

```
vagrant version
```

```
Command Prompt
Z:\>vagrant version
Installed Version: 1.8.5
Latest Version: 1.8.6

To upgrade to the latest version, visit the downloads page and
download and install the latest version of Vagrant from the URL
below:

  https://www.vagrantup.com/downloads.html

If you're curious what changed in the latest release, view the
CHANGELOG below:

  https://github.com/mitchellh/vagrant/blob/v1.8.6/CHANGELOG.md
Z:\>
```

DrupalVM

[DrupalVM](#) is the final tool you need for this course. It is a linux operating system that is then configured using Vagrant with Drupal Development tools.

The [quickstart](#) offers in-depth information. Please do the following after installing

Vagrant and Virtualbox:

1. Either [clone](#) or [Download](#) the DrupalVM project from <https://github.com/geerlingguy/drupal-vm>.
2. If you downloaded a zip, extract it, then enter the directory. If you cloned it, enter the directory.
3. From within the drupal-vm directory, type `vagrant up`.

You should see something similar to the following:

```
Bringing machine 'drupalvm' up with 'virtualbox' provider...
==> drupalvm: Importing base box 'geerlingguy/ubuntu1604'...
==> drupalvm: Matching MAC address for NAT networking...
==> drupalvm: Checking if box 'geerlingguy/ubuntu1604' is up to date.
....
drupalvm: Running provisioner: ansible_local...
drupalvm: Installing Ansible...
drupalvm: Running ansible-playbook...
....
PLAY RECAP *****
drupalvm                : ok=184   changed=94   unreachable=0   fa
```

This last step downloads the DrupalVM box to your local machine.

At this point you can stop because you've successfully installed all of the prerequisites needed for the training. If you want to look around and kick the tires, feel free to do so. Refer to the [quickstart](#) guide for more information.

When you're done, you can stop the virtual machine with:

```
vagrant halt
vagrant destroy
```

This is essentially the *reset* button that puts your box back in its original state so that you're ready for the training session.

Not Working?

First, if you receive errors or something doesn't work, go back and read this guide again and make sure you didn't miss any steps. Second, welcome to the world of software development! As developers, our tools are constantly changing and being updated. This usually means that often things that *did* work yesterday, might not work today.

This is why companies will pay you to develop software. Knowing how to fix and troubleshoot problems makes you valuable to them.

Here are some basic troubleshooting steps if things didn't quite go as planned:

1. Google the error. There is a pretty good chance that someone else encountered it as well.

2. Create an issue for the project that is giving you the error. Both Vagrant and DrupalVM are open source projects with active contributors. Search for your issue first and if you don't find it, add an issue. You'll likely get a response pretty quickly.
3. Find an active [irc](#) specific to the tool you're having problems with. You can often get real-time support and have your problem fixed quickly.
4. Don't despair. Show up for the training any way. Maybe someone sitting next to you encountered a similar problem and knows how to fix it. We can also try to fix it during breaks or at least point you in the right direction.

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