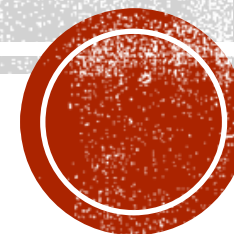


# UNDERSTANDING VAGRANT



# WHAT IT DOES

- It allows you to quickly and effortlessly create virtual environments (known as Vagrant boxes)
- integrates with multiple providers, such as VirtualBox, VMware, and Docker.



# VAGRANTFILE

- a configuration file that uses the Ruby programming language syntax.
- contains everything needed for another user to replicate your virtual environment/application.



# BOXES

- packages that, similar to Vagrantfiles, can be shared and used to replicate virtual environments.
- can be easily downloaded by the [Vagrant cloud](#)



# INSTALLING VIRTUALBOX AND VAGRANT

- **Windows Installation**



# INSTALLING VIRTUALBOX AND VAGRANT

## Chocolatey Installation

- Installation can be done using [chocolatey](https://chocolatey.org) by opening up a powershell or a command prompt and using the following command:
  - `@"%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" -NoProfile -InputFormat None -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"`



# INSTALLING VIRTUALBOX AND VAGRANT

- You must install a virtualization tool. I recommend VirtualBox using the following command:
  - `choco install virtualbox`

```
C:\WINDOWS\system32>choco install virtualbox
Chocolatey v0.10.15
[Pending] Removing incomplete install for 'vagrant'
Installing the following packages:
virtualbox
By installing you accept licenses for the packages.
Progress: Downloading virtualbox 6.1.8... 100%

virtualbox v6.1.8 [Approved]
virtualbox package files install completed. Performing other installation steps.
The package virtualbox wants to run 'chocolateyInstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): y
```



# INSTALL VAGRANT

- Install vagrant using the following command:
  - `choco install vagrant`

```
C:\WINDOWS\system32>choco install vagrant
Chocolatey v0.10.15
[Pending] Removing incomplete install for 'virtualbox'
Installing the following packages:
vagrant
By installing you accept licenses for the packages.

vagrant v2.2.9 [Approved]
vagrant package files install completed. Performing other installation steps.
The package vagrant wants to run 'chocolateyinstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): y
```





# VERIFY INSTALLATION

- Open a command prompt and run the following command:
  - Vagrant -v

 Command Prompt

```
Microsoft Windows [Version 10.0.18362.836]  
(c) 2019 Microsoft Corporation. All rights reserved.
```

```
C:\Users\user>vagrant -v  
Vagrant 2.2.7
```

