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Setup Documents

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Doug Winsby (<https://autocare.communifire.com/people/dougwinsby>)



5/21/2020

I think we should add a "**Setup**" section to the documentation that includes walk-throughs of common setup environments. Here are some that come to mind:

Vagrant (on VirtualBox)

Vagrant provides easy to configure, reproducible, and portable work environments built on top of industry-standard technology and controlled by a single consistent workflow to help maximize the productivity and flexibility of you and your team.

WSL (Windows Subsystem for Linux)

Windows Subsystem for Linux is a compatibility layer for running Linux binary executables natively on Windows 10 and Windows Server 2019.

Docker

Docker is a set of platform as a service products that uses OS-level virtualization to deliver software in packages called containers. Containers are isolated from one another and bundle their own software, libraries and configuration files; they can communicate with each other through well-defined channels.

PostgreSQL

There are some tricky configuration issues with setting up a PostgreSQL database on Linux. Some of our evaluators may not have experience with this software.

We might need to have them Linux-specific. Maybe just target Ubuntu and Fedora.

Some of this might not be necessary if we can pre-provision a Vagrant box or other container with all the settings ready to go. That's something we really need to look into.

Sandpiper Team: Are there any IT resources at your company that have experience with Docker or Vagrant that could help with this?

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6/19/2020

Here are good resources for creating a sharable Vagrant box (under the VirtualBox "provider"):

<https://blog.engineyard.com/building-a-vagrant-box> (<https://blog.engineyard.com/building-a-vagrant-box>).

<https://www.vagrantup.com/docs/providers/virtualbox/boxes>
(<https://www.vagrantup.com/docs/providers/virtualbox/boxes>).

This produces a "box" that can be used with these simple commands (assuming the box we created was called sandpiper.box):

```
vagrant box add --name sandy /path/to/sandpiper.box  
vagrant init sandy  
vagrant up
```

We could also "share" this box in a [global registry](https://app.vagrantup.com/boxes/search) (<https://app.vagrantup.com/boxes/search>), as explained here:

<https://www.vagrantup.com/vagrant-cloud/boxes/create> (<https://www.vagrantup.com/vagrant-cloud/boxes/create>).

This is a [free](https://app.vagrantup.com/pricing) (<https://app.vagrantup.com/pricing>) service for "public boxes".

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