**Docker Puppet ASP.NET Example**

The [Puppet Docker module](https://forge.puppetlabs.com/garethr/docker) is a great way of installing and managing Docker on a host, but it also allows for some basic container management.

This repo contains a fairly simple example using Vagrant to launch a Linux virtual machine, then Puppet to install Docker, build an image and run a container. For added spice the container runs a ASP.NET vNext application.

The ASP.NET vNext application example is taken from this excellent blog post from MSDN about [running ASP.NET apps in linux containers](http://blogs.msdn.com/b/webdev/archive/2015/01/14/running-asp-net-5-applications-in-linux-containers-with-docker.aspx).

**Usage**

vagrant up --provider virtualbox

vagrant provision

This will take a little time as it launches a virtual machine and downloads lots of software onto it.

**What happened?**

Once up you should be able to access [10.20.1.11:5004](http://10.20.1.11:5004/) and it should show the hello world ASP.NET example.

The text is coming from a docker container on the host app1.

**Under the hood**

1. The instance (app1) installs docker, builds an image using the [Dockerfile](https://github.com/garethr/puppet-docker-vnext-example/blob/master/modules/application/files/vnext/Dockerfile) and runs a container based on that image.

The interesting Puppet code is found in the [application module](https://github.com/garethr/puppet-docker-vnext-example/blob/master/modules/application/manifests/init.pp).