DevOpsSchool
Lets Learn, Share & Practice DevOps

Day - 1

- **Why Vagrant?**
  - What If?
  - What You'll Learn
- **Test Drive Vagrant**
  - Introduction
  - Installing Vagrant and VirtualBox on Windows
  - Installing Vagrant and VirtualBox on OS X
  - Installing Vagrant and VirtualBox on Ubuntu
  - Vagrant Up - Creating Your First VM
  - Displaying a GUI Interface
  - Sharing Files With the VM
  - Suspending the VM
  - Halting the VM
  - Destroying the VM
  - Windows Line Endings
  - Additional Help
  - Takeaway
- **Web Development Environment and Vagrant Fundamentals**
  - Development Environment Overview
  - The Vagrant file
  - Installing Nginx
  - Provisioning
  - Networking
  - Sharing and Versioning Web Site Files
  - Vagrant Share
  - Vagrant Status
  - Sharing and Versioning Nginx Config Files
  - Configuring Synced Folders
  - Further Exploration
- **Creating a Hubot Environment**
  - Introduction
  - Boxes
  - rsync
  - Initialize Hubot Dev Environment
  - Provision Hubot
  - Scaffold a Hubot Project
  - Configure rsync Synced Folders
  - Run Hubot From the Shell
- **Hubot in the Cloud**
  - Introduction
  - Multiple Machines
  - Providers
  - Plugins
  - Configuring an AWS AMI
  - Configuring SSH to AWS and Access Keys
  - Configuring rsync to AWS
  - Overriding Application Configuration
  - Launching Hubot Into the Cloud
  - Alternative VirtualBox Option
  - Development Workflow and Changing Hubot
  - Release Workflow and Releasing Our Change
  - Rolling Back Production
  - Cleanup
  - AWS Considerations
  - Vagrant cygwin zwindows SSL Bug Fix
  - Reflect

- **Windows Guests**
  - Introduction
  - Windows Guest Differences
  - Finding Windows Boxes
  - Creating Windows Boxes
  - Vagrant Up
  - Vagrant RDP
  - Provision IIS
  - Testing Web Deploy
  - Testing Web Config Transformations
  - PowerShell's Desired State Configuration
  - Recap

  - Integrate HipChat
  - Configure Upstart Service
  - Run Upstart Service
  - Recap

- **Dot Local Development Databases**
  - Introduction
  - Provisioning Types
  - Why Puppet?
  - Build a Standalone MongoDB Server
  - Package Our MongoDB VM Into a Vagrant Box
  - Maintaining Desired State With Puppet
  - Loading Data Sets
  - Playing With MongoDB Replica Sets
  - global-status
  - Reflect