Automate all the things!

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Background, experience & objectives

Agenda

- Introduction (a quick talk)

- Exercises from 0 to Jenkins (4 hands on labs)

- The Final Challenge

- Open Discussion / 1:1 Questions

We'll have a personal time in between labs, let's try not to get distracted with phone, email and/or twitter.

Introduction

Why Grunt.js?

https://github.com/
johnnyhalife/
AutomateAllThings

Ground 0 - Setting up your environment
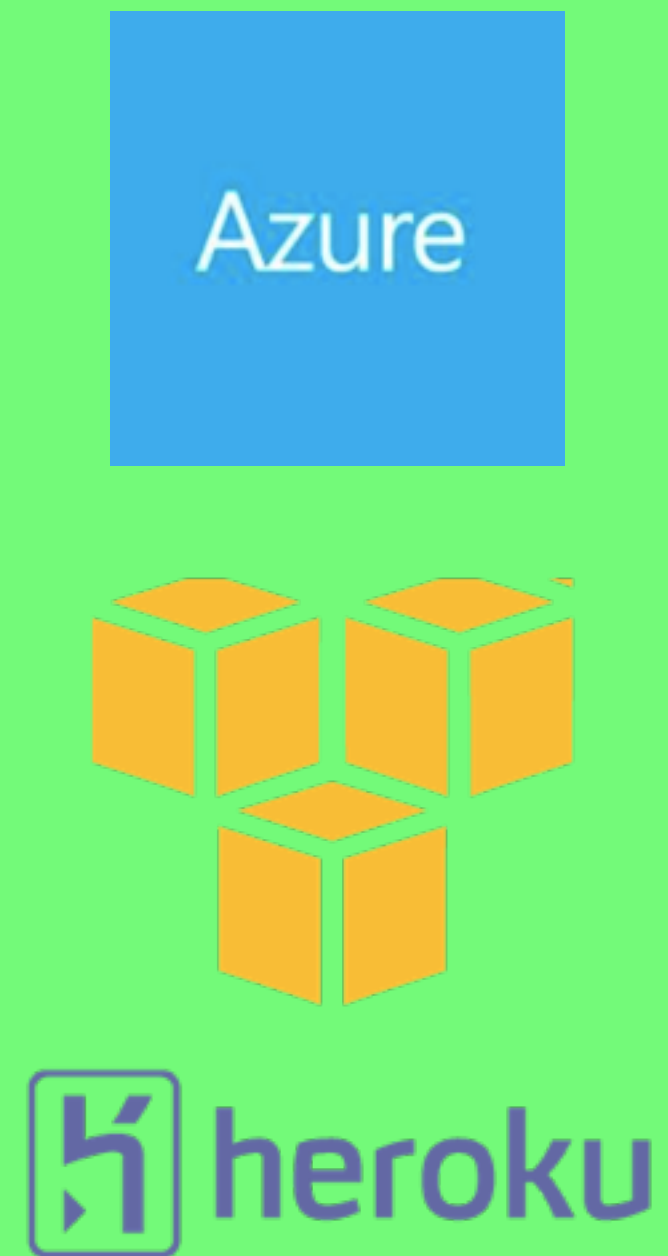
Exercise one - Lap Around Grunt.js

Exercise two - Create Your First Grunt Task

Exercise three - Meet Mr Jenkins

Final Challenge

Resources for the challenge

- grunt-cdn

- grunt-s3-sync

- grunt-rev-md5

- grunt-htmlrefs

- grunt-contrib-cssmin

- grunt-contrib-uglify

Jenkins Starter Kit

- Get your **Jenkins VM running on the cloud in minutes** by using VM Depot Jenkins Image.

  http://vmdepot.msopentech.com/List/Index?sort=Featured&search=jenkins

- If you prefer AWS EC2 there's an image for that available on the AWS marketplace

  https://aws.amazon.com/marketplace/pp/B008ASDQO6

- **Avoid polling Git** when having your server on the cloud by using the Github Plugin.

  https://wiki.jenkins-ci.org/display/JENKINS/GitHub+Plugin

- Build **Pull-Requests automatically** using Github Pull-request Build Plugin.

  https://wiki.jenkins-ci.org/display/JENKINS/GitHub+pull+request+builder+plugin

- Login to your Jenkins Server using your **Google Apps Account** (https://wiki.jenkins-ci.org/display/JENKINS/Google+OAuth+Plugin) or your **Github Account** (https://wiki.jenkins-ci.org/display/JENKINS/Github+OAuth+Plugin).

- Use multiple build nodes by doing using **distributed builds**

  https://wiki.jenkins-ci.org/display/JENKINS/Distributed+builds

- **(Only valid for Linux!)** Use the NodeJS Plugin which allows you to create as many NodeJS installations "profiles" as you want. The auto-installer will automatically install a given version of NodeJS, on every Jenkins slave where it will be needed.

  https://wiki.jenkins-ci.org/display/JENKINS/NodeJS+Plugin

Open Space

Thanks!

@johnnyhalife

https://github.com/johnnyhalife/AutomateAllThings