Workshop Prerequisites

Important – Bring a laptop with permissions to install software!

Brain Storming

Think about	Questions
What is your current deployment pipeline?	Does your team or organisation have pipeline? If yes: - What stages does it includes? - What types of testing are covered as part of pipeline process? - Which test environment is being used? If No, list out all the stages your pipeline should have.
What is the relationship between how you test and your deployment pipeline?	- Does it help you perform testing in a timely manner? - Is the application ready for exploratory testing when it is deployed? - Can you perform a wider variety of functional and non-functional testing?
How can your pipeline be improved?	- Is it reliable and deploy within a sensible timeframe? - Are your tests and your application code together? Should they be? - Does it report on success or failure in an actionable way?

Remember a pipeline can have manual steps as well, especially early on in the process of automation. Draw your deployment pipeline if it helps.

Required Pre-Workshop Installations

Technology	Resources
Git	Basic understanding of Git, primarily the ability to clone repos, plus maybe push to your own personal GitHub accounts! Have a look Git Guide - We will also assume some experience with command line tools such as Terminal for MacOS or Powershell for Windows. To pull repo – `git clone https://github.com/mwinteringham/restful-booker.git`
NodeJS and NPM	This will get you both. NodeJS is the language we will be using and npm is its associated package manager. Mac Only - Install Node via brew – (NPM will be installed with Node). Type `brew install node` (at the terminal, with brew installed)
Docker	Read Why docker? Install Docker for Mac or Docker for Windows
Python	Python is a prerequisite for many programs, install from here
Jenkins	Read about Jenkins image here With Docker installed, at the terminal enter – `docker pull jenkins/jenkins`

This is as far as you need to go, the rest we will cover in the workshop. ☺