**Workshop Prerequisites**

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| Important – Bring a laptop with permissions to install software! |

Brain Storming

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| 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

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| 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](http://rogerdudler.github.io/gitguide/)  - 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](https://www.npmjs.com/get-npm) 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](https://brew.sh/) installed) |
| Docker | Read [Why docker?](https://www.docker.com/why-docker) Install [Docker for Mac](https://hub.docker.com/editions/community/docker-ce-desktop-mac) or [Docker for Windows](https://hub.docker.com/editions/community/docker-ce-desktop-windows) |
| Python | Python is a prerequisite for many programs, install from [here](https://www.python.org/downloads/) |
| Jenkins | Read about Jenkins image [here](https://github.com/jenkinsci/docker/blob/master/README.md)  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.** ☺