**Docker Cheat sheet**

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| Basic | docker version | Gives information about docker client and docker server/engine |
| docker info | Gives detailed information about docker. E.g. containers, images, plugin etc. |
| docker --help | Use in combination with other commands e.g.  docker images --help |
| docker login | Login to your docker hub account. |
| Images | docker images | List of all images we have |
| docker pull | Pull image from docker hub   |  | | --- | | docker pull jenkins | | docker pull mwinteringham/restfulbooker | |
| docker rmi | Remove one or more images |
| docker images -q | Gives image ID |
| Container | docker ps -a | List all the containers |
| docker run | To run the container. Image will be pulled from docker hub is not available locally. |
| docker start | To start docker container, it takes container ID as argument. |
| docker stop | To stop docker container, it takes container ID as argument. |
| System | docker stats | Provides details on running container, memory usage etc |
| docker system df | To check disk usage of docker |
| docker system prune | Remove unused data. Be careful when using this command. |

**Jenkins for Docker**

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| docker pull jenkins | Pulls latest Jenkins image from docker hub. We don’t have container at this stage |
| docker volume create myjenkins | Create a volume. It’s better to use volume mount instead of physical location |
| docker run –name MyJenkins -p 8080:8080 -p 50000:5000 -v myjenkins:/var/Jenkins\_home Jenkins  Go to: localhost:8080  Jenkins is up and running | MyJenkins – name of container  myjenkins – volume  It’s easy to share between containers when using volume |
| docker exec jenkins-master cat /var/jenkins\_home/secrets/initialAdminPassword | Admin password |