The first line of each Dockerfile identifies the baseline Labtainer image to be pulled from the Docker Hub. The initial default image is a basic Ubuntu system with a minimal set of packages. To use an alternate image having additional networking packges (e.g., tcpdump, xinetd, sshd), change the first line to:

```
FROM $registry/labtainer.network
```

Base images include:

- labtainer.base – Minimal Ubuntu system.

- labtainer.network – Networking packages installed and xinetd running, but network services not activated

- labtainer.network.ssh – Same as network, but with ssh active in the xinetd configuration.

- labtainer.centos – A CentOS server with systemd and the true "init" initial process.

- labtainer.lamp – A CentOS server with Apache, Mysql and PHP, (the LAMP stack)

- labtainer.firefox – An Ubuntu container with the Firefox browser.

- labtainer.wireshark – The labtainer.network with wireshark added.

- labtainer.java – An Ubuntu container with the Firefox browser and the open JDK.

- labtainer.kali – A Kali Linux system with the Metasploit framework.

- labtainer.metasploitable – The Metasploitable-2 vulnerable server.

- labtainer.bird – The Bird router (See the bird labs).

- labtainer.owasp – The firefox base with the OWASP zap toolset.

- labtainer.juiceshop – The OWASP vulnerable Juice Shop web server.

Refer to the Dockerfiles in `$LABTAINER_DIR/scripts/designer/base_dockerfiles` to see which software packages are included within each baseline image.

The Dockerfile is used to add packages to your container, e.g.,

```
RUN apt-get update && apt-get install -y some_package
```

You will also see "ADD" commands in the Docker file that populate the container directories with lab-specific files such as described in section 4.3.

Next, you must also describe your containers within the *start.config* file as described below.

4.2 Container definitions in start.config

Most single container labs can use the automatically generated start.config file without modification. Adding networks to containers and defining users other than the default "ubuntu" user requires modification of the start.config file. The following describes the major sections of that configuration file. Most of the configuration entries can be left alone for most labs.

- GLOBAL_SETTINGS – These lab-wide parameters include:

    - GRADE_CONTAINER – Deprecated