**Testing Installation**

**Summary:** This document will allow users to test the installation of their pre-requisites by getting a basic test of an RSA cracker tool running on Docker alongside Skupper and Kubernetes.

**Prerequisite:** Refer to Installing Prerequisites Document

**Log**

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Run the installation script

1. Clone the github repository below into a folder of your choice where you have permission to edit and read files. Ensure you change directory into the folder once cloned,

| **>** git clone <https://github.com/GemaSoftware/SeniorDesignStuff.git>  **>** cd SeniorDesignStuff |
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Change Mode

1. Ensure that the install.sh script is executable by running the following command

| **>** chmod +x install.sh |
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Execute

1. Run the install script to install and test the RSA Crack tool using Docker. If all is well, the program should terminate with no error.

| > ./install.sh |
| --- |

Optional - Manual Test

This code snippet below will allow you to manually create the Docker images and test the RSA Cracking tool inline. Make sure to delete the docker instance from Docker Desktop once you are done testing.

| > cd ParentImage/  > docker build --tag "mainparentimage" .  <This will take a while>  > cd ../MainImage/  > docker build --tag "seniordesign" .  > docker run -d -p 1234:1337 seniordesign:latest  > nc localhost 1234  <Command prompt should now be listening for you to type.>  <Enter in>  run |
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After typing “run”, you should see an output that says the cracking was successful alongside all the p and q values needed to crack the RSA key. If you see that, the testing is successful.