**Incident Report: KG-19101-Creat-Juice-Shop-App  
Date:** 09-09-2024

### **Executive Summary**

In this task, I was assigned to set up the OWASP Juice Shop application on my Kali Linux virtual machine using Docker. OWASP Juice Shop is a deliberately insecure web application, often used in security training and demonstrations. The goal was to successfully install Docker, pull the Juice Shop image, and run the application locally.

### **Methodology**

To complete this story, I followed these steps:

* Installed Docker on my Kali Linux machine using the provided commands.
* Pulled the OWASP Juice Shop Docker image using the command: sudo docker pull bkimminich/juice-shop.
* Launched the container with the command: sudo docker run --rm -p 3000:3000 bkimminich/juice-shop.
* Verified that the Juice Shop application was running by accessing http://localhost:3000 in my browser.
* I chose Docker due to its simplicity in managing containers, making it ideal for deploying web applications like OWASP Juice Shop.

### **Findings/Solutions**

The installation process was straightforward, and the OWASP Juice Shop ran successfully in the Docker container on Kali Linux. I learned how to pull and run Docker containers efficiently, which will be useful in future offensive security tasks. A key takeaway was how easily Docker allows for setting up environments like Juice Shop for testing vulnerabilities.

**Project Description:**

***You will need to complete this story before starting your offensive stories!***

For the offensive stories, we are going to be using the OWASP Juice Shop application.

***Please read this carefully.***

**What is OWASP Juice Shop?**

OWASP Juice Shop is probably the most modern and sophisticated insecure web application! It can be used in security trainings, awareness demos, CTFs and as a guinea pig for security tools.

**How to spin up a OWASP Juice Shop Application:**

* Install Docker on your Kali Linux machine using the commands below.
  + If you get an error message after entering the final command 'docker', the installation did not install docker successfully. Reach out to an instructor at this point.
* Head over to <https://github.com/juice-shop/juice-shop>
* Scroll down to 'Setup' and look for the 'Docker Container' section. You will need to use your command line to do steps 2 & 3 in the image below.

NOTE: When entering the commands list below, you will need to add sudo at the beginning of the command.

**Example:**

sudo docker pull bkimminich/juice-shop

* After you have done this successfully, you can now run your container any time you need to complete an offensive story.
  + Repeat step #3 in you command line to run your container if you need to shut down the server, then navigate to [http://localhost:3000](http://localhost:3000/) to get access to the web page.
* Once you have completed these steps, take a screenshot of your Docker container as well as a screenshot of your application running locally in your browser. 👍

Write a brief incident report on what you learned during this process and email it to your instructor. Please include a screenshot of OWASP Juice Shop running in your Kali Linux VM.

Happy hacking!