Team Name: sdmay24-11
Team Members: Ashler Benda, Nasereddin, Garrett Arp, Ethan Douglass, Andrew Bowen, Karthik Kasarabada, Ayo Ogunsola
Report Period: Oct 9-Oct 22

Summary of Progress in this Period

During this period, we started working on our designs for the project. We started to work through the IAM Vulnerable modules bought together by BishopFox, which is a similar tool made to learn AWS and the common misconfigurations. As we learned, we took note of the interesting or important concepts to include in our own designs. We also researched other articles related to AWS breaches and techniques published by people in the industry.

The first design we created was a template design that layed out the general structure of each attack path. Our attack paths will follow the typical pentesting flow of an attack by an external user. The attack starts with Initial Entry, followed by Lateral Movement and Persistence, and ending with Privelege Escalation and Looting. We defined each of the terms and related them to our requirements in the first design to provide a easy to follow layout, even for those unfamiliar with cybersecurity.

Additionally, we created an initial design for one of the attack paths. We chose AWS services and misconfigurations to create a flow of an attack. The design included a diagram showing the relations between the services as well as a description of each service and misconfiguration/vulnerability. The initial design was a simple verision based on the resources we had experience with from our learning tasks earlier in the semester. It didn't met all of the requirements but was there just as a practice.

Pending Issues

Plans for Upcoming Reporting Period

Our next part of the design document is to plan our testing. We will revisit our requirements to determine how to properly test how each requirement is met and how to test our design. We will also continue to work on new design iterations to find the best attack paths. Our team will split into two groups to work concurrently on two attack path designs.
