

sdmay23-14: Mobile Vehicle Cybersecurity Using a Secure Bridge

Week 3 Report

October 8 - October 14

Team Members

Josue Torres — *Development*

Ryan Campbell — *Development*

Cody Stricker — *Development*

Levi Jansen — *Development*

Drake Ridgeway — *Development*

Riley Lawson — *Development*

Ryan Scehovic — *Development*

Summary of Progress this Report

The majority of this week was spent on coming up with a plan for our project. As a team we collaborated to strategize on how to best execute the steps required. We outlined the milestones and the schedule of progression for our project, as well as the development framework and various tools we will use. Aside from that, we also prepped for our lightning talk which was this week. We created a set of slides to give a run down of the problem we are trying to solve and what our solution is.

Pending Issues

Our team has yet to decide on a time to meet during the next reporting period. There are no other issues.

Plans for Upcoming Reporting Period

With our project plan finished, we are going to start getting into the actual implementation of the steps required for our project. This includes building a program that encrypts/decrypts a CAN frame using AES-128. Once that is finished, we are going to devise a simulated CAN network to generate CAN frames that we can then pass to the encryption program which will allow us to test the encryption/decryption.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Josue Torres	Project Planning, Lightning Talk	3	
Ryan Campbell	Project Planning, Lightning Talk	3	0
Cody Stricker	Project Planning, Lightning Talk	3	
Levi Jansen	Project Planning, Lightning Talk	3	0
Drake Ridgeway	Project Planning, Lightning Talk	3	
Riley Lawson	Project Planning, Lightning Talk	3	0
Ryan Scehovic	Project Planning, Lightning Talk	3	

Gitlab Activity Summary

Nothing to report.
