

UNIVERSITY OF SOUTH FLORIDA

Major Research Area Paper Presentation

Cybersecurity Vulnerabilities in Mobile Fare Payment Applications
by
Kevin Dennis

For the Ph.D. degree in Computer Science and Engineering

Mobile fare payment applications are becoming increasingly commonplace in the public transportation. Few public agencies or supporting vendors have policies or established processes in place to receive vulnerability reports or patch vulnerabilities discovered in their technologies. This research presents a vulnerability discovered in a mobile fare payment application that may have affected customers in as many as 40 cities across the United States – an estimated 1,554,000 users. Lessons learned from the vulnerability disclosure process followed by the research team as well as recommendations for public agencies seeking to improve the security of these types of applications are also discussed.

Thursday, April 29th, 2021

12:30 PM

Online (Collaborate Ultra)

Please email kevindennis@usf.edu for more information

THE PUBLIC IS INVITED

Examining Committee

Jay Ligatti, Ph.D., Major Professor

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