UNIVERSITY OF SOUTH FLORIDA

Defense of a Master's Thesis

*BlindCanSeeQL: Improved Blind SQL Injection
For DB Schema Discovery Using A Predictive Dictionary
From Web Scraped Word Based Lists*
by
Ryan Wheeler

For the MSCS degree in Computer Science & Engineering

SQL Injections are still a prominent threat on the web. Using a custom built tool, BlindCanSeeQL (BCSQL), we will explore how to automate Blind SQL attacks to discover database schema using less requests than the standard methods, thus helping avoid detection from overloading a server with hits. This tool uses a web crawler to discover keywords that assist with autocompleting schema object names, along with improvements in ASCII bisection to lower the number of requests sent to the server. Along with this tool, we will discuss ways to prevent and protect against such attacks.

Tuesday, October 6, 2015
1:00 PM
ENB 313

THE PUBLIC IS INVITED

Examining Committee

Yicheng Tu, Ph.D., Major Professor
Jay Ligatti, Ph.D.
Yao Liu, Ph.D.

Robert Bishop, Ph.D.
Dean, College of Engineering

Dwayne Smith, Ph.D.
Dean, Office of Graduate Studies

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