
Closing the loop on Fuzzing monitors

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ABSTRACT

beSTORM fuzzing framework has the following attributes:

- Device under Test (DUT)
- The client fuzzer attacking the DUT
- An attack language
- A monitor to ensure the target is still alive while fuzz testing is in progress and to report exception back to the fuzzer

Newer protocols such as Bluetooth, Zigbee, WiFi, and Zwave (mostly IoT and smart devices) face the challenge having a feedback loop to the fuzzer during the fuzzing session. **We seek research partners to solve this challenge.**

A 2nd challenge is scripting the attack language as new protocols come on stream, and the idea is to adopt 'auto learning' newer protocols and translating them into the fuzzer's attack language.

SPEAKER BIOGRAPHY

Michael LEONG

A technopreneur and Managing Director of Beyond Security Asia, Michael Leong has over 25 years of technology marketing and management experience. Prior to joining Beyond Security, he spent most of his career with top MNC companies that included Intuit, Reckon, Borland, CSC, Volvo Group managing and heading APAC market. Michael holds certification in CEH, Certified Forensic Investigator and Penetration Testing.

PANG Ying Kiat

YK Pang is the technical lead for software and network security testing tools at Beyond Security Asia. He started his career as a software programmer, financial systems, at one of the largest computer software house in South East Asia. He has over 25 years of IT work experience having held positions in IT management, network computing, marketing, consulting, and general management. At Beyond Security, he has led major projects in penetration testing and IT audit security services in the vulnerability assessment and management space.

He is senior member of the Singapore Computer Society. He holds an MBA, a Master of Business in Accounting, and certifications as a Certified Information Systems Auditor, Certified Ethical Hacker, and Certified Information Security Manager.