

Title

Fuzzing Use Cases: Ericsson Security Test Automation

Speaker(s)

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To whom is the presentation addressed?

Quality assurance engineers in unit testing, system testing, regression testing and security testing.

Keywords

fuzzing, security testing, model-based testing, test automation, zero-day vulnerability

Abstract

Fuzzing is used in all steps of a product lifecycle, starting with software development lifecycle (SDLC) and later also in the product comparison and evaluation process in procurement and in security audits of existing deployed systems. Ari Takanen will give an introduction on fuzzing technologies, and different use cases for software testers. Anu Puhakainen will then explore practical examples how fuzzing fits into the software development lifecycle, and available toolkits at Ericsson.

Biography

Anu Puhakainen has more than 20 years experience on IT and telecom industries and she has been employed by Ericsson since 1997. She is currently working as manager in NetworkSecurity Competence Center which offers security related services (e.g. vulnerability testing) for Ericsson product organizations and Ericsson customers. She is also responsible for the operations of Ericsson Product Security Incident Response Team.

Ari Takanen has worked with information security since 1996 and concentrated on software security as a researcher in Oulu University Secure Programming Group (OUSPG) since 1998. Since 2001, Ari has moved to a spin-off company from the PROTOS project, first as a founder and CEO, and now the CTO of Codenomicon Ltd. He is author of two security books.

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