

kaspersky
expert training

Cyber capacity building program

Course
program

Nº	Track	Content	Lesson	Practice
1	Evaluating product security	An introduction to applications and system security, and explain how you can build reliable and resilient ICT infrastructure.	Introduction Product security evaluation Existing approaches Kaspersky's approach to product security evaluation Track conclusion	Exercise: common threats Knowledge check: true or false? — —
2	Threat modelling	An introduction to the process of identifying and mitigating potential threats, such as structural vulnerabilities or the absence of appropriate safeguards	Identifying and mitigating potential threats Outlining key threats More key threats Mitigations Track conclusion	Building diagrams Exercise: matching diagram visuals Matching a diagram Prioritizing threats Threat modelling hometask (optional)

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3	Secure code review	The basic techniques for identifying vulnerabilities in software code	Security risks	Static analysis
			Dynamic analysis	Memory management vulnerability Task 1: type of overflow
			Integer security	Task 2: type of vulnerability. Part 1
			Type confusion, format strings, command injection	Type of vulnerability. Part 2
			Track conclusion	
4	Code fuzzing	The process of defining, developing and testing Windows-based applications to identify bugs and vulnerabilities	Track introduction	—
			The theory of fuzzing	Virtual lab: fuzzing JSON with Radamsa
			Fuzzing tools. AFL	Virtual lab: fuzzing binutils with AFL
			Sanitizers and in-memory fuzzing	Virtual lab: fuzzing cJSON with LibFuzzer
5	Vulnerability management and disclosure	Approaches for the building process of managing vulnerabilities within an organization's ICT infrastructure	Building reliable and resilient ICT infrastructure	Regulatory compliance Exercise: Key risks
			Definition and concepts in vulnerability management and disclosure	The phases of Coordinated Vulnerability Disclosure
			Establishing a vulnerability management and disclosure program	Building trust for minimizing risk

Thank you!

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Help page: kas.pr/ii9f

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