

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	Exercise: common threats
			Product security evaluation	
			Existing approaches	Knowledge check: true or false?
			Kaspersky's approach to product security evaluation	—
			Track conclusion	—
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	Building diagrams
			Outlining key threats	Exercise: matching diagram visuals
			More key threats	Matching a diagram
			Mitigations	Prioritizing threats
			Track conclusion	Threat modelling homework (optional)

Nº	Track	Content	Lesson	Practice
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!

[kaspersky.com](https://kaspersky.com)

Discord server: [kas.pr/g2j8](https://kas.pr/g2j8)

Help page: [kas.pr/ii9f](https://kas.pr/ii9f)

**kaspersky**