



Trainings

Specialized trainings for Java Card security, MasterCard CAST process and Common Criteria

Security design, especially for Java Card™ systems, test methodology and security evaluations (MasterCard Compliance Assessment and Security Testing or Common Criteria) are key topics in embedded systems.

To help you on to improve your expertise, we offer a complete range of training sessions from the strategic overview of the security up to the in-depth technical course.

Java Card™ security

Course title	Duration	Audience
Java Card™ security: issues and opportunity impact of open platforms to the security of cards, and in particular Java Card™	0.5d	Issuers
Java Card™ platforms: inside implementation of a Java Card™ Platform, focusing in particular on the representation of code and data, and on the execution of bytecode	2d + 1d hands-on lab	Developers and testers
Java Card™ applications: secure development security issues in the development of Java Card applications, tracks for improving security	1d + 1d hands-on lab	Developers

MasterCard CAST process

Course title	Duration	Audience
Assessing smart card security using CAST results overview of the most common attacks and weaknesses, and the interpretation of the CAST reports	0.5d	Security staff
Java Card™ platforms: CAST evaluation Complement of "Java Card™ platforms: inside", in depth explanation of the Java Card™ Platform Security Guidelines used in the CAST process, description of the platform evaluation process itself and security counter-measures	2d + 1d hands-on lab	Security developers
Java Card™ applications: CAST evaluation Complement of "Java Card™ applications: secure development", in depth explanation of the Application Security Guidelines (M/Chip4 and Java Card™ applets) used in the CAST evaluation process, description of the application evaluation process itself and security counter-measures.	1d + 1d hands-on lab	Security developers

Evaluations and testing

Course title	Duration	Audience
Common Criteria: from theory to practice CC background, CC evaluation process, overview of security target writing	1d	Issuers and developers
Common Criteria: writing a security target Protection profiles selection, methodology for writing a security target (threats, items and objectives).	1d hands-on lab	Security staff
Test methodology: improving compliance and security tests Building an effective test plan, improving the test coverage, moving towards security testing (limit cases).	1d	Testers

For more details on the training sessions (dates, price), please contact us at contact@trusted-labs.com.

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www.trusted-labs.com



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