



Kaspersky xTraining

Embrace your security team's potential with Kaspersky's global expertise

kaspersky BRING ON
THE FUTURE

Online self-learning format

Learn at your own pace from anywhere with browser-based access on your desktop/tablet/mobile

Highly practical

Safely practice your cyber security skills in a virtual environment, revealing the specifics of real-world cyber attack cases

Learn from best

Acquire unique hints, strategies and insights from global leading InfoSec professionals

Support & feedback

Take a chance to ask course experts questions during monthly online live sessions

Certificate of completion

Receive a Kaspersky letterhead PDF document signed by course leader(s) for you to present and impress your employer

Time to take your cyber security team to a new level

Kaspersky xTraining is a response to a constantly evolving cyber threat landscape. We deliver up-to-date knowledge on effective threat detection and mitigation strategies from comprehensive and well-known experiences of the Kaspersky Global Research & Analysis Team (GReAT)



Who will benefit with xTraining?

Security operations professionals

SOC teams manager

Cybersecurity consultancies

Threat hunters

Malware reversers

Governmental organizations & CERT's

Academies & research institutions

Kaspersky xTraining in faces



Costin Raiu,
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team (GReAT)



Tatyana Shishkova,
Lead Security
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Reverse engineering

Reverse engineering **All levels**

- Gain the initial knowledge needed for malware analysis
- Understand the main Intel assembly instructions
- Understand different calling conventions (stdcall, fastcall) and memory types (automatic, dynamic, static)
- Analyze executables generated by different compilers so you are more familiar with more esoteric ones
- Prepare yourself for the next level RE course

Mobile malware reverse engineering **Intermediate**

- Understand how to analyze mobile malware including Android/iOS samples
- Learn advanced static analysis or so-called surface analysis: permissions, strings, signature, resource files, decompilation of Dalvik bytecode
- Learn how to analyze native libraries for Android and iOS statically using Ghidra
- Learn advanced dynamic analysis using dynamic instrumentation with Frida

Targeted malware reverse engineering **Intermediate**

- Analyze real-life malware used in the wild by APT groups
- Reverse-engineer malicious documents and exploits
- Approach reverse engineering programs written in a number of programming or scripting languages (C, .NET, Delphi, Powershell, JavaScript, C++) and compiled for different architectures (x86, x64) with different compilers or operating systems (Windows, Linux)
- Master advanced features of reverse-engineering tools including IDA Pro's scripting capabilities

Advanced malware analysis techniques **Advanced**

- Analyze modern complicated code samples, from receiving the initial artefact, all the way to producing a technical description of the attacker's TTPs with IOCs
- Produce static decryptors for real-life scenarios and then continuing with in-depth analysis of the malicious code
- Analyze malicious documents that are typically used to deliver initial payloads and know how to extract them
- Ensure damage assessment and incident response efforts are accurate and effective

Advanced malware reverse engineering with Ghidra **Advanced**

- Get familiarized with the process of setting up Ghidra and building its latest version from source code
- Understand how to perform a typical malware analysis workflow with Ghidra
- Gain a firm understanding of how to work with data types and structures in Ghidra
- Be able to identify runtime library code with Ghidra
- Learn how to use Ghidra's scripting capabilities to automate reverse engineering tasks
- Understand how to extend Ghidra's capabilities using the Eclipse IDE

Threat hunting

Hunt APTs with Yara like a GReAT ninja **All levels**

- Write cleaner, more efficient, Yara rules
- Utilize tips & tricks to create fast and efficient rules
- Use Yara generators to save time and effort when writing codes
- Test Yara rules for false positives that could skew your results
- Hunt new undetected samples in your infrastructure and cloud platforms
- Use external modules within Yara for even more efficient hunting
- Discover secrets of anomaly search
- Test your new skills on real life cases like BlueTraveller and DiplomaticDuck

Security operations and threat hunting **Intermediate**

- Understand the structure of any Security Operations Center as a part of security defense services
- Be able to plan and organize security monitoring in the enterprise
- Use different threat intelligence sources to find new advanced threats
- Detect and investigate malicious activity in Windows and Linux infrastructures based on attacker's tactics, techniques and procedures
- Learn threat hunting infrastructure based on ELK (Elasticsearch, Logstash, Kibana)

Suricata for incident response and threat hunting **All levels**

- Understand what is a NIDS and how to use it
- Write Suricata rules for different protocols
- Utilize tips and tricks to create fast and efficient rules
- Learn about typical network attacks
- Analyze suspicious traffic and recognizing traffic anomalies
- Learn how to identify and fix a false alarm
- Learn how to use Suricata for threat hunting
- Gain new skills through a practical challenge in virtual environment

Incident response

Windows Incident Response **Intermediate**

- Gain new skills through a practical challenge in virtual environment
- Understand the phases of incident response
- Know how to identify and respond to a cyber incident
- Understand various attack techniques and targeted attack anatomy through the Cyber Kill Chain
- Differentiate APTs from other threats
- Apply live analysis on victim machines
- Acquire evidence in a forensically sound environment
- Upgrade your memory forensics skills
- Apply log file analysis with regular expressions and ELK
- Enhance cyber threat intelligence knowledge
- Be able to create better network and host-based IoCs (Indicators of Compromise)
- Test your network traffic forensics skills

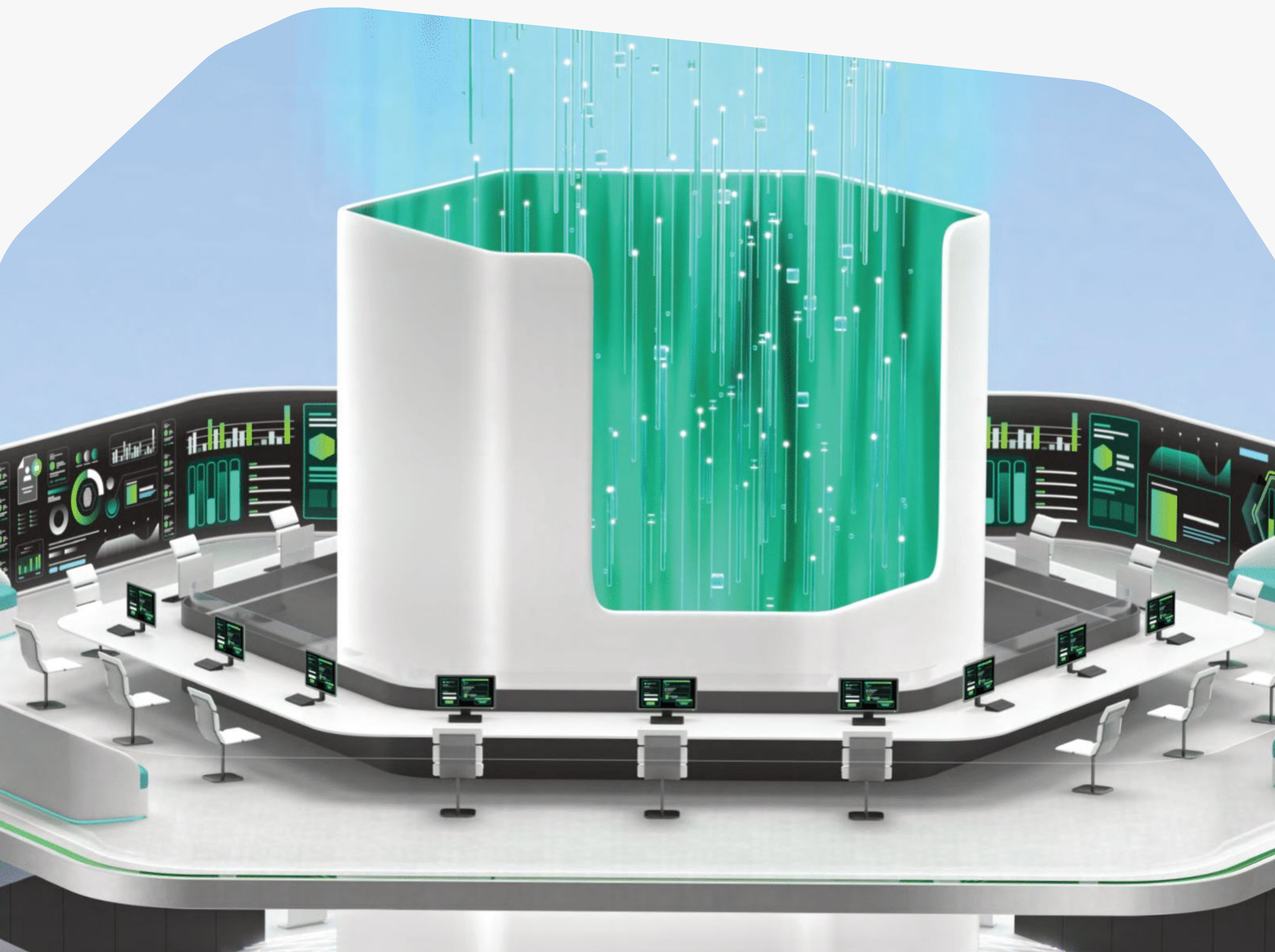
Windows digital forensics **Intermediate**

- Acquire the fundamental expertise essential for digital forensics
- Comprehend the methods of obtaining diverse digital evidence and managing it within a forensically sound setting
- Demonstrate proficiency in utilizing the tools and resources of digital forensics
- Analyze browser and email histories effectively
- Be able to find traces of malicious actions related to incidents in MS Windows artifacts
- Learn how to use timestamps from various Windows artifacts to restore an incident scenario

Product security assessment

Cyber capacity building program **All levels**

- Building capacity to identify, evaluate and estimate risks related to external applications in ICT infrastructure
- Managing identified risks and assessing the integrity and security of external applications
- Forming a list of requirements for external applications to minimize cybersecurity risks related to them
- Developing an understanding of industry best practices for building a secure ICT ecosystem with regard to external applications



Learn more about xTraining

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