

Penetration Testing

What Is a Penetration Test?

Cybercrime has grown into a trillion euro per year business and organizations of all sizes, from all industries, have become potential targets. A successful cyberattack can be financially and operationally devastating. Having an in-depth understanding of an organization's current cybersecurity posture and how to improve it, has become a necessity for businesses today.

A Penetration Test is an active but controlled attack simulation against your IT environment which allows our specialists to identify, understand, and mitigate security vulnerabilities that cybercriminals could use against your organization.



Penetration Tests are versatile and can be performed in any of the following situations:

- As a stand-alone procedure
- As part of a regular audit
- Following an infrastructure or application change
- As part of an ongoing security effort

Truesec is Here to Help

A Penetration Test will allow Truesec security specialists to examine, investigate, and test your IT environment for security flaws to determine your vulnerabilities and provide prioritized recommendations to strengthen your overall security posture. The most common Penetration Tests focus on the following areas:

- External Exposures
- Internal IT Environments
- Web Applications
- Specific Systems

About Us

As a global cybersecurity company, we're proud to be at the forefront of protecting organizations and our society against cyber threats. Our purpose has been clear since day one: Creating safety and sustainability in a digital world by preventing cyber breach and minimizing impact. We never cease to challenge and reinvent ourselves to help defend your most valuable data assets every day.

TRUESEC

A Safe Digital Future

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If You Are Under Attack, Call Truesec

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Delivery

The most effective way to conduct a Penetration Test is to provide Truesec full access to the application or environment of your choice and as much background information as possible which may include:

- IP Addresses
- Network Infrastructure Schematics
- User Protocols
- System Artifacts (SourceCode, Binaries, etc.)

Our Methodology

- The assessment is planned in detail.
- Limitations and goals are reviewed.
- Documentation, source code, and other material relevant to the assignment is collected.
- A customized test procedure is established.
- Contact information between Truesec and the customer is exchanged.
- Any special conditions are determined.



This is commonly referred to as a “White Box” Penetration Test. Besides being effective, this approach also provides the greatest value at the lowest risk.

A Penetration Test allows for dedicated security efforts targeting what is most important for your organization.

Our Penetration Testing team works with the utmost integrity and high ethical standards. We fully understand the significance and sensitivity of security vulnerabilities. Beyond formal agreements, our professional honour code ensures that we will keep information specific to your organization solely within our testing team, on a complete need-to-know basis.

Execution

- The analysis is conducted based on the prescribed conditions.

Reporting

- Truesec compiles the results of the security analysis in a written report.

Debriefing

- A meeting is scheduled for a verbal presentation of the report and debriefing.
- The meeting will include discussions regarding the management of identified issues.
- Meetings are held remotely via Microsoft Teams or Cisco Webex, or on-site if necessary.

Truesec applies its own internal review and monitoring system to ensure the quality of the delivery of this service. Where applicable, industry standards from SANS (SysAdmin, Audit, Network, and Security), NIST (National Institute of Standards and Technology), and OWASP (Open Web Application Security Project) are followed.

The Partnership

We see our work with our customers as a partnership.
We work together to get the best results and prevent incidents.

What Is Included

Included

Final written report containing detailed results of the Penetration Test	✓
Prioritized best practice recommendations for immediate action to resolve current vulnerabilities	✓
Scheduled meeting for report presentation and debriefing including discussions on the management of identified issues	✓
Recommendations from TruSec specialists for a continued security effort	✓

How To Start Benefiting of a Penetration Test

You start by talking to your TruSec customer contact, or any of our experts. Together we will begin the journey to shift your application security activities from reactive to proactive and get an assessment of your current overall security posture of your development projects.