

# CORE Impact for Network Testing

## Assess Network Infrastructure Against Real-World Threats

Your organization's servers and workstations make up the backbone of your IT infrastructure and house some of its most important information assets. Perimeter defenses offer these systems a level of protection, but no defensive application is 100% impervious to attack. It's therefore critical to proactively test your organization's ability to detect, prevent and respond to network threats.

By safely replicating real-world attacks, CORE Impact Pro enables you to determine:

- which systems are exposed if perimeter defenses are compromised
- what OS and services vulnerabilities pose real threats to your network
- how privileges can be escalated on compromised systems
- what information could be accessed, altered or stolen
- which systems are vulnerable to denial of service attacks
- how trust relationships could expose additional systems to local attacks

## Practice Ongoing Security Assurance

CORE Impact Pro's Rapid Penetration Test (RPT) incorporates industry-accepted security testing best practices into a six-step process that allows you to efficiently assess your network security from the attacker's viewpoint.

Rapid Penetration Testing enables you to:

- reduce risk by getting the information you need to prevent data breaches
- identify critical vulnerabilities, prove their exploitability, and pinpoint paths of attack
- regularly test the effectiveness of security infrastructure and security policies
- save time by launching simultaneous attacks and generating clear, actionable reports
- validate compliance with industry and government regulations for security testing

Impact Pro's simplifies testing for new users and allows advanced users to efficiently execute common tasks. This saves significant time versus manual testing, while providing a consistent, repeatable process for testing evolving infrastructure.

## Stay Ahead of Threats with Commercial-Grade Exploits

With Impact Pro, you have full control over the most comprehensive, stable and up-to-date library of exploits available. Created in-house by a dedicated team of experts, they are guaranteed to be current, effective and safe for your network. Core Security continually works to assess the current attack landscape and anticipate new threats. CORE Impact customers therefore typically receive over 20 new exploits and other updates per month.

## The CORE Impact Rapid Penetration Test

The CORE Impact Pro Network Rapid Penetration Test (RPT) automates security testing tasks that would otherwise require significant time, effort and expertise to perform:

### 1. Information Gathering

Identify and profile systems to target using a variety of network discovery and port scanning methods.

### 2. Attack and Penetration

Launch exploits and interact with compromised systems to demonstrate the consequences of an attack, reveal at-risk data, and gather information for remediation.

### 3. Local Information Gathering

Browse the compromised file system and collect information about rights obtained, users, network configuration and installed applications.

### 4. Privilege Escalation

Run local exploits in an attempt to obtain administrative privileges on the compromised system and access backend systems, replicating a multistaged attack.

### 5. Cleanup

Automatically remove all Impact Pro Agents, leaving compromised systems in their pre-attack states.

### 6. Reporting

Generate clear, actionable reports that provide data about the targeted network and hosts, audits of all exploits performed, and details about proven vulnerabilities.

## Assess Your Exposure to Large Scale, Multistaged Threats

CORE Impact simulates multistaged attacks by integrating network penetration testing with endpoint, email user, web application and wireless network testing. Impact allows you to leverage systems compromised during endpoint, web application and wireless tests as beachheads from which to launch local attacks on other network systems. You can also use information harvested from compromised employee databases to create and launch convincing spear phishing tests with Impact Pro's endpoint testing capabilities.

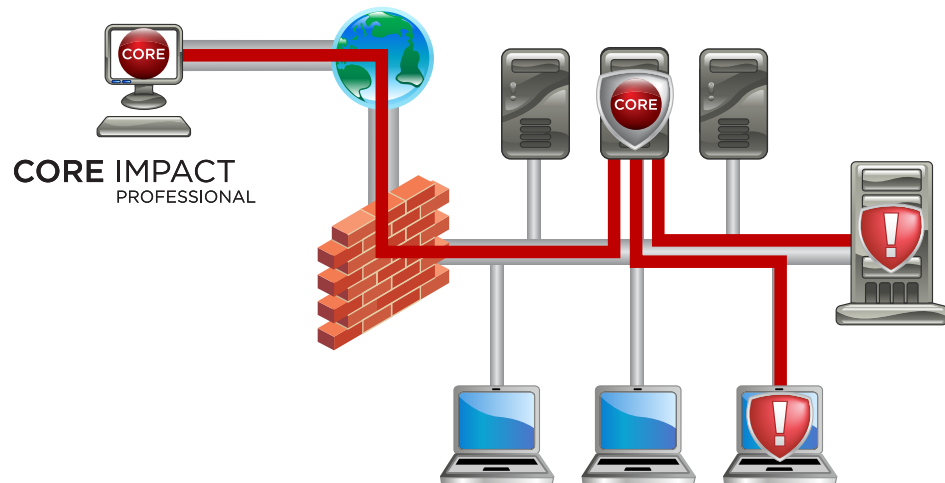
## Safely Demonstrate the Consequences of an Attack with Impact Agents

CORE Impact Pro takes security testing to another level by not only identifying and proving the exploitability of vulnerabilities, but also demonstrating the consequences of a data breach. Once an Impact exploit successfully compromises a system, the product's Agent technology allows you to interact with the system as an attacker could – such as by browsing the file system, launching a command shell, or running local exploits to escalate user privileges. Impact also allows you to pivot attacks from the newly compromised system to servers and workstations on the same network, replicating an attacker's attempts to take advantage of trust relationships and gain access to increasingly sensitive information.

*CORE Impact Pro enables you to replicate multistaged attacks that leverage compromised systems to target backend resources, revealing how chains of exploitable vulnerabilities can open paths to mission-critical systems and data.*

*You gain actionable data regarding:*

- where critical exposures exist
- what systems and data are at risk
- what steps are necessary for remediation



## Take Vulnerability Scans to the Next Level

Scanning applications provide a key component to the vulnerability management process by helping you understand your organization's potential vulnerabilities. Penetration testing with CORE Impact builds on this process by identifying which vulnerabilities are real, while determining if and how they can be exploited. This gives you the information you need to intelligently prioritize remediation efforts and effectively allocate security resources. Impact integrates with the most widely-used vulnerability scanners, allowing you to import scan results and run exploits to test identified vulnerabilities.

## Ensure that Security Defenses are Working as Expected

New exploits are constantly being developed to target and overcome intrusion protection and detection systems (IPS and IDS). While these products can detect and block unwanted network traffic, they require ongoing, custom configuration and regular updates (e.g., new attack signatures) to be effective. CORE Impact Pro allows you to test the effectiveness of these defensive technologies and gives you the information you need to configure them to properly detect and protect against the latest threats.

## Core Security