

GOAL ORIENTATED PENETRATION TESTING

KEY BENEFITS

- **Reduce risk of attack:** Mimicking real hacker behaviours provides greater visibility into your organisations weakness
- **Verify your security controls:** Tests are conducted against infrastructure and employees revealing the organisation's ability to detect and respond to attacks
- **Prioritise your risks:** Understanding what the most critical security issues are helps you to prioritise and focus remediation efforts
- **Tailored approach:** Our ethical hackers simulate cybercriminals, identifying security issues beyond the capability of automated tools or standard penetration tests

KEY SERVICE FEATURES

- **Test performed by ethical hackers:** Security analysts apply decades of ethical hacking experience to deliver a goal-oriented assessment of your external and/or internal environments
- **Detection testing:** Designed to be stealthy and under-the-radar testing the organisation's ability to detect advanced attacks
- **Vulnerability verification:** Assessment results are verified against known vulnerability and our own proprietary exploit databases to ensure all possible security issues are explored
- **Detailed analyst reporting:** Our ethical hackers review the Tactics, Techniques and Procedures (TTPs) used to breach the organisation to present:
 - An executive summary of findings with recommendations, risk summary and network health assessment
 - Detailed information on vulnerabilities prioritised by ease of exploit, exploit popularity and potential impact including prioritised recommendations for risk mitigation
- **Tailored to your organisation:** Our assessment techniques adapt according to the findings from our ongoing assessment
- **Industry-recognised testing methods:** Fully compliant with relevant industry standards, including OSSTMM, NIST and OWASP ASVS testing guides

SERVICE DESCRIPTION

Significantly more sophisticated than a standard Penetration Test, Goal Orientated Penetration Tests simulate real-world, covert, multi-phase attacks the same as would be performed by persistent hackers.

This proactive security assessment is goal orientated in its intention to gain access to the organisation's data by any means necessary, test the organisation's ability to detect and respond to the attack and identify the potential damage a real attack could cause.

All methods to breach the organisation are attempted including but not limited to physical breaches, radio frequency hacking and Wi-Fi manipulation, social engineering and traditional penetration testing.

Working closely with international government agencies, as well as global Fortune 500 companies on a daily basis, our team of 40+ Ethical Hackers are world-renowned for being amongst the best and are regularly invited to present at global thought leadership events including BlackHat, DefCon and 44Con to name but a few. They work closely with international government cybersecurity agencies on a daily basis.

KEY TECHNICAL COMPONENTS

Subject to the agreed scope, the service may include: -

- Open Source Intelligence (OSINT) gathering
- Building, organisation, network, physical controls and system reconnaissance
- Manual testing using malicious actor's Tactics, Techniques and Procedures (TTP)
- Attempted physical breach of the organisation's premises
- Human targeting through social engineering
- Hardware vulnerability exploitation
- Wi-Fi network intrusion
- Signal vulnerability exploitation with RFID door-pass cloning if required
- Business application exploitation
- Customised 0-Day exploits
- Attempted full breach
- Establish post-exploitation persistence
- Pivoting using compromised hosts for lateral movement through the network
- Data insertion and exfiltration
- Detailed report containing: -
 - Results of reconnaissance
 - Attack vectors chosen
 - Attack methods
 - Attack payloads used
 - Attack results
 - Short-term mitigations against further attacks
 - Recommended long-term remediation

WHY SECUREDATA

Real-world experience:

Our service is underpinned by SensePost - SecureData's elite consulting arm – and uses the same sophisticated tools and techniques as cybercriminals themselves. These expert consultants think like the bad guys, ensuring you have an accurate picture of your organisation's security posture and the most critical issues to address.

Trusted partner:

Most businesses don't have the in-house skills or resources to perform a Goal Orientated Penetration Test themselves. Fortunately, SecureData does. Our service means you get the information you need to make informed decisions at an affordable price.

Extensive security Insight:

SecureData's Greater Intelligence platform processes over 50 billion events per month, giving us unparalleled access to current and emerging threats. We use this information to ensure our customers are as secure as they possibly can be.

Complementary services:

We offer a broad range of services that complement our RGoal Orientated Penetration Testing services and strengthen your security posture, including Managed Next Generation Firewall, Managed IDS/IPS, Managed Vulnerability Scanning, Managed Threat Detection and Managed Compliance Monitoring.



ABOUT SECUREDATA

SecureData is a leading provider of cybersecurity services and solutions.

SecureData looks beyond point technologies to address cybersecurity as a whole. The company offers a comprehensive set of professional and managed security services across the entire attack continuum.

For over 25 years SecureData has been helping organisations assess risks, detect threats, protect assets and respond to breaches quickly and effectively ensuring essential IT infrastructure always remains secure and available.

SensePost, the consulting arm of SecureData includes some of the world's most preeminent cybersecurity experts. Trusted by both corporate and military organisations across multiple countries, SensePost helps organisations to protect IT infrastructure and stay ahead of evolving cybersecurity threats.

Operating across the UK, South Africa and the USA, SecureData has an enviable track record having delivered cybersecurity services for many business sectors including finance, insurance, retail, property, professional services, technology and government.



@SECUREDATAEUROPE



@SECDATAEU

WWW.SECDATA.COM



@SENSEPOST



@SENSEPOST

WWW.SENSEPOST.COM

