



# BULLETPROOF PENETRATION TESTING PACKAGES

AN INNOVATIVE APPROACH TO TODAY'S SECURITY  
CHALLENGES

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## INTRODUCTION

### AN INNOVATIVE APPROACH TO TODAY'S SECURITY CHALLENGES

With new cyber threats discovered every week, staying protected against the modern threat landscape is a high-priority issue for every organisation in every industry. At the same time, security budgets are being stretched more than ever and there's increased expectation on businesses to protect sensitive data.

As part of Bulletproof's continuing commitment to drive innovation throughout the cyber security industry, we have taken a pioneering approach to combating these challenges by introducing three new penetration testing packages. This new approach to testing provides flexible options that focus on simulating the way hackers operate in the real world. By offering a range of cost-conscious packages that go beyond automated scanning, your organisation can procure regular penetration testing and so do more to stay protected.

### WHICH PACKAGE IS RIGHT FOR YOU?



#### ATTACK SURFACE

Tests your external-facing systems to identify if they are susceptible to opportunistic attackers looking for a quick win.



#### AUTHENTICATED

Expands on the attack surface assessment using valid credentials to test from an authenticated user perspective.



#### TARGETED

An in-depth penetration test that uses all available tools and techniques, targeted to meet your specific objectives against a pre-defined scope.

*"This new approach to testing provides flexible options that focus on simulating the way hackers operate in the real world."*



## INFRASTRUCTURE | ATTACK SURFACE



Designed to simulate the attack patterns of an opportunistic hacker, **Attack Surface** penetration testing validates and exploits known vulnerabilities that are identified during an automated vulnerability assessment. It's ideal for organisations wanting a time-limited test, or who want to reduce the likelihood of an opportunistic attacker breaching their defences.

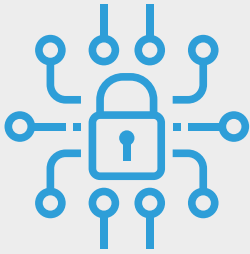
### EVALUATION CRITERIA

- Validate and exploit known vulnerabilities
- Network segmentation
- ARP poisoning
- Insecure network protocols
- MITM attacks
- VLAN/ACL issues
- Credential capture



*“Ideal for a time-limited test, or for organisations who want to reduce the likelihood of an opportunistic attacker breaching your defences.”*

## INFRASTRUCTURE | AUTHENTICATED

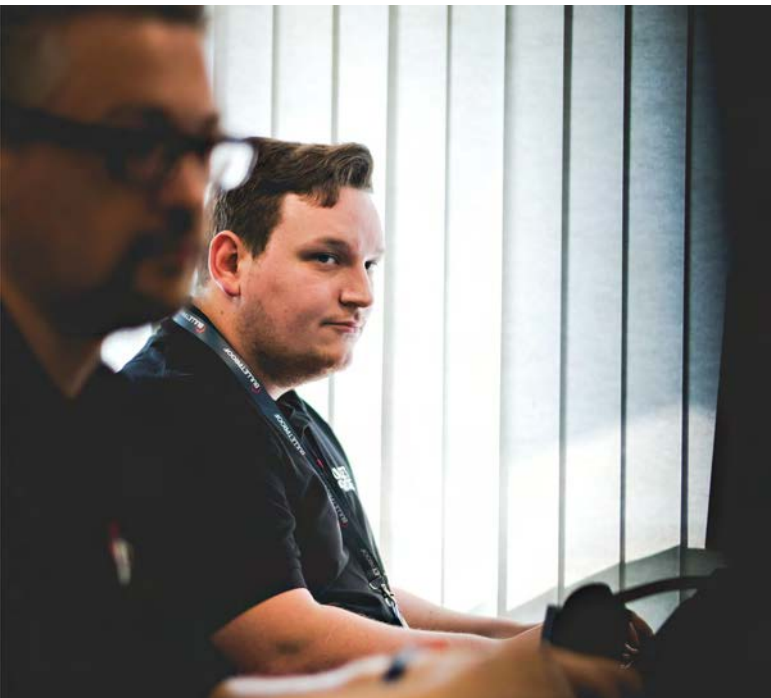


**Authenticated** infrastructure penetration testing is a more in-depth test which simulates an attack by a hacker who has breached your perimeter or has phished valid user credentials. Authenticated test packages are typically procured by organisations who want a longer time-limited test in order to simulate a more determined hacker.

### EVALUATION CRITERIA

Authenticated penetration tests include all the testing activities from Attack Surface testing, plus additional tests that are only possible with valid credentials:

- Password cracking
- LDAP/AD security
- System & network privilege escalation
  - Vertical
  - Horizontal
  - Adjacent



*“Bulletproof only use CREST and Tigerscheme approved staff, so you can be sure you’re getting a quality test from skilled professionals.”*

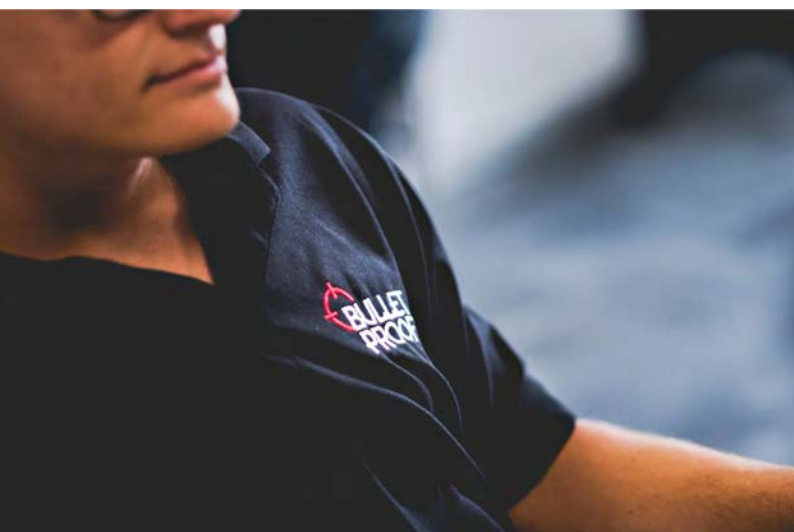
## APPLICATION | ATTACK SURFACE



Application **Attack Surface** penetration testing replicates the attack methods of an opportunistic hacker by confirming and exploiting security weaknesses found during an automated vulnerability assessment. As a time-limited test, it's a perfect fit for organisations whose security strategy demands protection against opportunistic attacks.

### EVALUATION CRITERIA

- Data-in-transit & data storage protection
- Key management & algorithm logic
- Information disclosure
- Injection vulnerability:
  - XSS
  - SQL
  - HTML
  - XML
  - JSON
  - OS command
- Path traversal
- Object identifiers
- Local and remote file inclusion
- Stack-based bounds checking



*"Bulletproof's expert penetration testers follow industry best practices, such as OWASP and PTES methodologies."*

## APPLICATION | AUTHENTICATED



The **Authenticated** application penetration testing package simulates a hacker who has phished valid user credentials or infiltrated your perimeter defences. This longer time-limited test expands on the Attack Surface test and is ideal for organisations who need a detailed test to model an attack by a more determined cyber criminal.

### EVALUATION CRITERIA

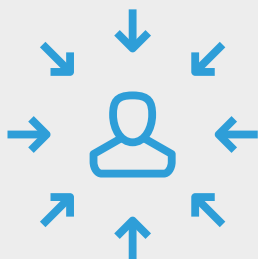
Authenticated penetration tests include all the testing activities from Attack Surface testing, plus additional tests that are only possible with valid credentials:

- Authentication bypass
- Password policy
- Login limitation policy
- Session management
- Hijacking
- Predictable identifiers
- Reply and expiration attacks
- Privilege escalation
- Horizontal access
- Cryptographic algorithm strength
- Key management



*“A more in-depth test which simulates an attack by a hacker who has breached your perimeter and/or has phished valid user credentials.”*

## TARGETED



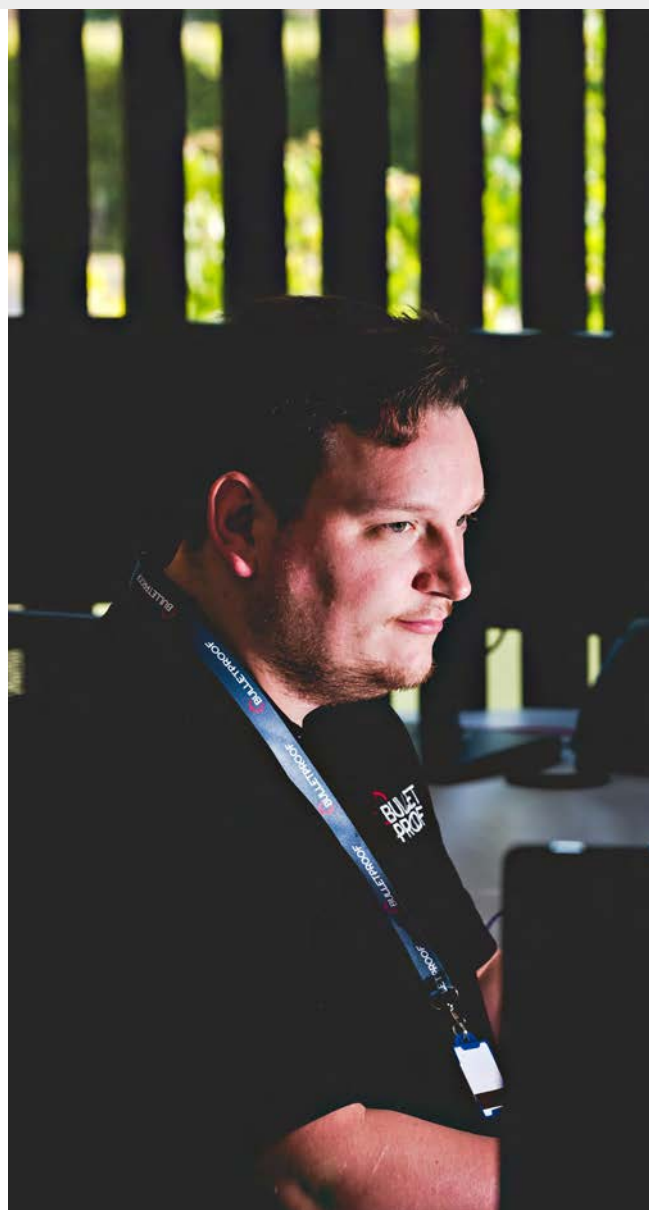
For organisations whose security strategy demands a thorough test, Bulletproof provide **Targeted** penetration testing. This is an exhaustive penetration test, modelling a targeted attack against your organisation. Our expert penetration testers will use all the tools and techniques available to a real-world cyber criminal to meet your specific objectives.

### EVALUATION CRITERIA

Targeted penetration tests for both infrastructure and application include all testing activity from the Attack Surface and Authenticated packages, plus additional threat assessments. The nature of the additional testing activities depends on the application or infrastructure, as well as your specific security objectives. Typically, our Targeted package also includes phishing, client-side attacks, and testing custom protocols & custom network services.

### PRICING

Given the detailed nature of Targeted penetration testing, each test will undergo a short scoping exercise to ensure we are both meeting your security objectives and delivering a cost-effective, value-driven service.



*“An exhaustive penetration test, modelling a targeted attack against your organisation by a determined hacker.”*



