



# Penetration Testing



**CARETOWER**  
An **Integrity360** Company

# ABOUT US



At Caretower, we help businesses to identify vulnerabilities within their security systems and provide an action plan to help prevent security breaches occurring in the long run.

So how does this work? We act as an internal or external hacker and try to create ways to gain access to your infrastructure and identify any security risks. We check how robust the security systems are and create a continuous recommended action plan that will prevent the business from being targeted.

We also help customers build a more robust, reliable and secure infrastructure by developing solutions that are specifically tailored to each individual business.

## OUR TESTING PLATFORMS ARE CARRIED ON:

- Web Services
- E-mail Servers
- Web and Mobile Applications
- Database Servers
- Remote Access Gateways
- Network Devices
- DNS Services (depending on the scope)

Our Penetration Testing experts have a wealth of knowledge in the diverse IT disciplines including policy, design and implementation.



# OUR SERVICES

- ➔ External and Internal Vulnerability Scanning
- ➔ External and Internal Vulnerability Assessment
- ➔ Black Box External and Internal Network Penetration Test
- ➔ White Box External and Internal Network Penetration Test
- ➔ Grey Box External and Internal Network Penetration Test
- ➔ External and Internal Web Application Penetration Test
- ➔ External and Internal Mobile Application Penetration Test
- ➔ External and Internal Security Web Application Code Reviews
- ➔ Onsite Secure Web Application training course
- ➔ External and Internal Social Engineering Assessment Test
- ➔ Wireless Penetration Testing
- ➔ Host Image Hardening

“ We will evaluate which of our services suit you best and customise it to make sure that it fits your business needs. ”

**If you would like more information on any of our services, please speak to your dedicated Caretower Account Manager or if you don't have one, email:**

**[info@caretower.com](mailto:info@caretower.com)**

# WHY YOU NEED A PENETRATION TEST

The security of your information is fundamental. Whether it is intellectual property, customer contact details, financial information or other sensitive data, all must be protected from criminal theft. What do you do when malicious hackers attempt to gain access to your infrastructure, harvest passwords and data from your employees or try and steal your customers' details?

We then assess the best type of Penetration Testing for you and your business, to help you cover your needs:

## CARETOWER CAN HELP.

We understand the importance of security and with over 17 years experience, we can help you make your network secure and address any security issues you have, to help you move forward.

Our services can also offer Penetration Testing and vulnerability assessment security through the eye of a frustrated employee, contractor or professional hacker that has infiltrated your company.

### BLACK BOX TESTING

This provides a simulation of how an attacker can bypass security controls without any prior knowledge of the organisation.

**How this works:** This works by providing minimal information (such as the company's name) to Caretower. During this instance, we assess the organisation's security environment as if they were an external attacker and look for any security issues by trying to break into your infrastructure.

### GREY BOX TESTING

Testing occurs when attempts are made to securely penetrate network systems and defences, in order to identify entry points and vulnerabilities with some knowledge of the systems.

**How this works:** This works by using a combination of black and white box testing. During this test, you will provide us with snippets of information that will help us to perform the test.

### WHITE BOX TESTING

This type of test provides simulation on how an attacker with more substantial information (e.g. number of hosts live, specific IP addresses and user credentials) can present a risk to your organisation.

**How this works:** This works by providing us with detailed information about the applications and infrastructure (such as network diagrams, any interviews conducted). You will also provide us with a range of different credentials within the environment for us to test.



## CARETOWER'S TESTING AND REPORTING METHODOLOGIES

The security tests performed by Caretower services are robust and have no impact on our hosts that the test is performed on. We identify vulnerabilities within your security system and produce a remediation plan based on industry best practices.

We work in the following order to ensure no security issues are missed and all the work remains in as much detail as possible to ensure a robust remediation plan.

INFORMATION GATHERING

NETWORK MAPPING

VULNERABILITY IDENTIFICATION

EXPLOITATION

PRIVILEGES ESCALATION

## CARETOWER'S POST ENGAGEMENT ACTIVITY

After we have conducted the Penetration Test for your organisation, we will have a follow-up conference call or come to visit you in your offices to explain the findings, perform knowledge transfer and make sure that that the recommended remediation plan is in place.

**When the Penetration Test has been completed, we will work with the industry's best practice and produce a remediation plan that best fits your organisation needs.**



# WHY CARETOWER?

With uncompromising dedication to information security for over 17 years, we have stood committed to delivering tailored solutions to our customer's diverse security challenges. Over the years we have established longstanding relationships with all major security vendors and have grown to become one of Europe's leading value added resellers in network security. This relationship ensures we provide our customers with key changes within the industry which assists in their ongoing security management

strategy. We offer our customers complete practical and, more importantly, impartial advice through a consultative sales process.

We believe that service and support are the keys to a strong relationship with our customers and this has ensured that we not only supply our security products, but also offer additional services such as onsite demonstrations, installations, training, audits and health-checks.

## ACCREDITATIONS AND MEMBERSHIP

As one of Europe's leading I.T. Security Specialists, we are committed to providing a high standard of Penetration Testing and as such have achieved numerous accreditations and memberships of professional organisations including the following:



Want to find out how we can help support and protect your business?



020 8372 1000



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www.caretower.com