

# REDTEAM SECURITY TESTING GUIDE



## WHO WE ARE

- Experts in offensive security
- Agile and adaptable
- Value driven



## 01

### WHAT ARE RED TEAM OPERATIONS?

A multi-faceted attack simulation that finds vulnerabilities in your technology, people and infrastructure

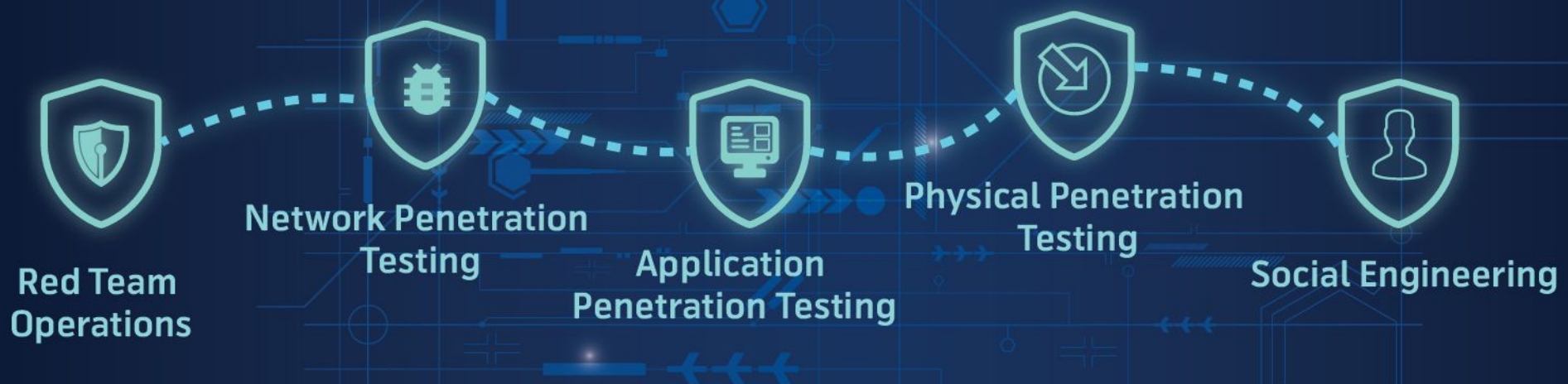


## 02

**\$7.35 Million**

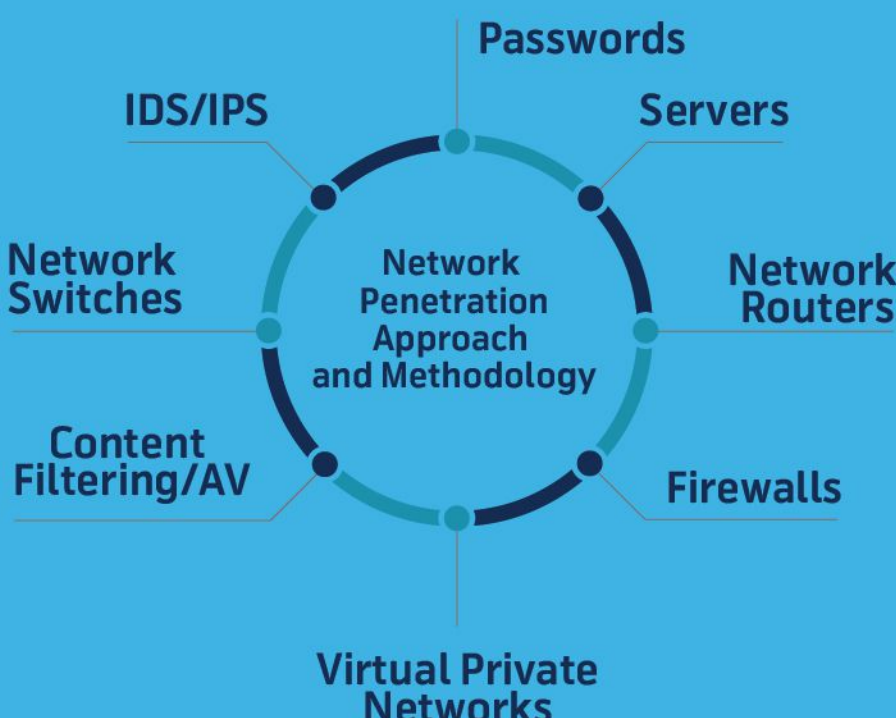
The cost of the average security breach. The best defense is good offense!

### OUR SERVICES



## 03

### NETWORK PENETRATION TESTING



## 04

### APPLICATION PENETRATION TESTING

- Injection
- Broken Authentication
- Sensitive Data Exposure
- XML External Entities
- Broken Access Controls
- Security Misconfiguration
- Cross-Site Scripting (XSS)
- Insecure Deserialization
- Components with Known Vulnerabilities
- Insufficient Logging and Monitoring

## 05

### PHYSICAL PENETRATION TESTING

#### Controls

- Doors and locks
- Sensors and cameras
- Security guards
- Physical barriers
- Biometrics
- Situational awareness



#### Execution

- Door bypass and lock picking
- On-site reconnaissance
- Covert infiltration
- Overt operations
- Character impersonation
- ID cloning

The percentage of security breaches that involve social engineering

## 06

**44%**

### SOCIAL ENGINEERING

- Employees
- Vendors
- Stakeholders
- Email
- Spearphishing
- Telephone
- In-person
- Spoofing
- Identity impersonation

## 07

### ELEMENTS OF A GOOD RED TEAM SECURITY STRATEGY

- Industry specific
- Organization specific
- Size specific
- Customized
- Ongoing

**59**

The number of records stolen every second

## 08

### BEST PRACTICES

- Have written security policies and procedures
- Train your workforce on security procedures and best practices
- Require multi-factor authentication
- Never use default passwords
- Mandate security patch updates
- Perform regular backups
- Use reputable services and vendors
- Encrypt sensitive data
- Stay up-to-date with compliance standards like HIPAA, NERC, PCI, NIST and FDIC
- Conduct regular penetration testing



Regular testing is key for preventing an attack

The number of free articles, downloads and resources available on our website

**100+**

Learn more about improving your security posture and schedule your free consultation at:

[redteamsecure.com](http://redteamsecure.com)



#### Sources:

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- [www.ibm.com/security/data-breach/index.html](http://www.ibm.com/security/data-breach/index.html)
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