

# Penetration Testing

**Emulates Real-World Attack Activity** 

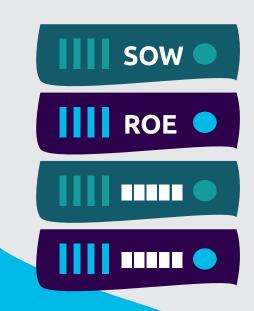
# WHAT DOES IT EVALUATE?

Penetration testing is about finding the path of least resistance before it's exploited by a cyber-threat. Through the use of active exploitation attempts, Capgemini technical services team emulates realworld attack activity to identify weaknesses in an organization's system architectures, configurations, vulnerability management programs, and operating applications.

## WHAT DOES THE ENGAGEMENT ENTAIL?

An engagement begins with a kick-off meeting to generate the "Rules of Engagement" to define the parameters of the test and bind our team to certain infrastructure requirements such as location, permitted test types and escalation path(s).

A five part methodology is used for the on-site, hands-on testing:





# **Discovery**

Perform active and passive reconnaissance to collect information on systems, applications, flows, and key personnel present in a given environment.



#### Charaterization

Determine if there is an opportunity and/or value to attaining end objectives.



#### Assessment

Identify automated and manual methods that may be used to exploit a specific target.



# Exploitation

Attempt to gain a foothold on the target system or to access protected information.



## **Post Exploitation**

Following a successful exploit, specific actions, such as covering tracks to entrenchment (e.g. creating accounts).





#### WHAT IS THE DELIVERABLE?

Following testing, a report is provided that outline specifics on the execution and results of the aforementioned steps. A draft report is reviewed with the client before finalized, then presented with prioritized recommendations for remediation.

WHY CAPGEMINI?

Our people make the difference. Depth and experience with industry specific knowledge of specialized environments sets our team apart. Our team is trained to think creatively and critically to imagine potential attack paths and identify unique ways advanced adversaries could exploit seemingly innocuous attack vectors.

"Had the penetration testing been an actual attack, there would have been potentially catastrophic business implications for our company."

**Next steps:** Discuss the benefits of a penetration test for your organization. Talk to a cybersecurity professional today.

# About Capgemini

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of over 200,000 team members in more than 40 countries. The Group reported 2018 global revenues of EUR 13.2 billion.

Learn more about us at

www.capgemini.com/cybersecurity

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People matter, results count.

