

# Microsoft Azure - hacking and pentesting

Course code: GOC238

Five-days instructor-led hands-on training starts with the perspective of an ethical hacker, proceeds with a view of a pentester and concludes with observing practices performed by black-hat hackers.

## Prerequisites

Knowledge in extent of the courses which are listed in the bellow sections **Previous Courses** and **Related Courses**

## Course outline

Attack strategy on Azure and Azure AD

Pentesting tools and technologies

Searching for Azure resources (public facing services) and their vulnerabilities

Initial access attacks and exploitation

Access tokens and their stealing

Authenticated Enumeration

Privilege Escalation

Methods of persistence

Data exfiltration

Bypassing Defenses

Security strategy for protecting identities and Azure resources

Identity protection (Password protection, MFA, Passwordless, Conditional access, PIM)

Permissions for groups and application identities

Multi-layered approach protections for components of IaaS and PaaS

Defender for cloud – assess, detect and respond for Azure resources

## Preparation for Microsoft certification

Most Microsoft certification exams do not require students to attend an official MOC course in order to pass the exam.

This applies to all certifications except for MCM

Official Microsoft MOC courses as well as our own GOC courses are good ways of preparation for Microsoft certifications such as MCP, MTA, MCSA, MCSE or MCM

This does not mean that official MOC courses would serve as the only necessary preparation. The primary goal of an MOC course is to provide for sufficient theoretical knowledge and practical experience to effectively work with the related product

MOC courses usually cover most of the topics required by their respective certification exams, but often do not give every topic the same amount of time and emphasis as may be required to completely pass the exam

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