

# Protelion Cyber Range Platform

## CHALLENGE

The growth of digitalization has created a wealth of new possibilities as well as exponentially increased cyber risks. The dramatic shift to remote working in response to the Coronavirus has compounded the risk by exposing a host of new vulnerabilities.

Hacking is on the rise, yet conversely, there is a global shortage of cyber experts available to help organizations counter the threat. Furthermore, many information security and network security staff have

insufficient hands on experience responding to and mitigating real cyber-attacks.

To bridge this gap in qualified cybersecurity expertise, smart companies are turning to immersive training in virtual environments to ensure their teams stay up to date. Cyber Range platforms allow teams to train in a simulated hyper-realistic environment and build practical hands on experience responding to real world attacks ensuring that you are able to defend your network when the time comes.

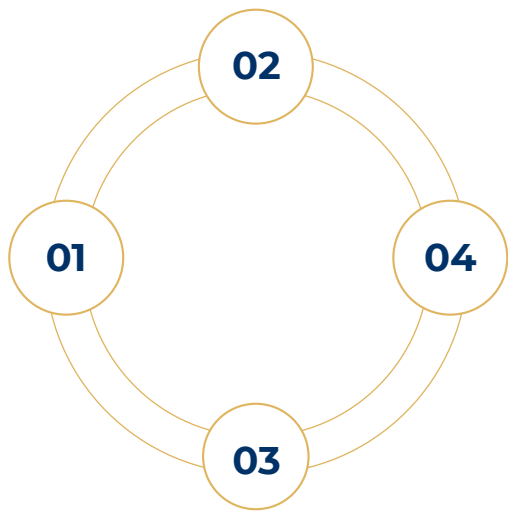
## SOLUTION

Protelion Cyber Range Platform - training and simulation platform enables organizations to provide training for cybersecurity and IT security specialists or students in the methods of detecting, investigating and responding to cyber-attacks. Participants work in a simulated hyper-realistic IT infrastructure to develop practical skills in investigating cyber security incidents, as well as hands on experience in implementing protective measures to close gaps and vulnerabilities in their cyber defenses.

### Protelion Cyber Range Platform Provides Flexible Components Continuously Improved to Keep Pace with New Methods and Tactics:

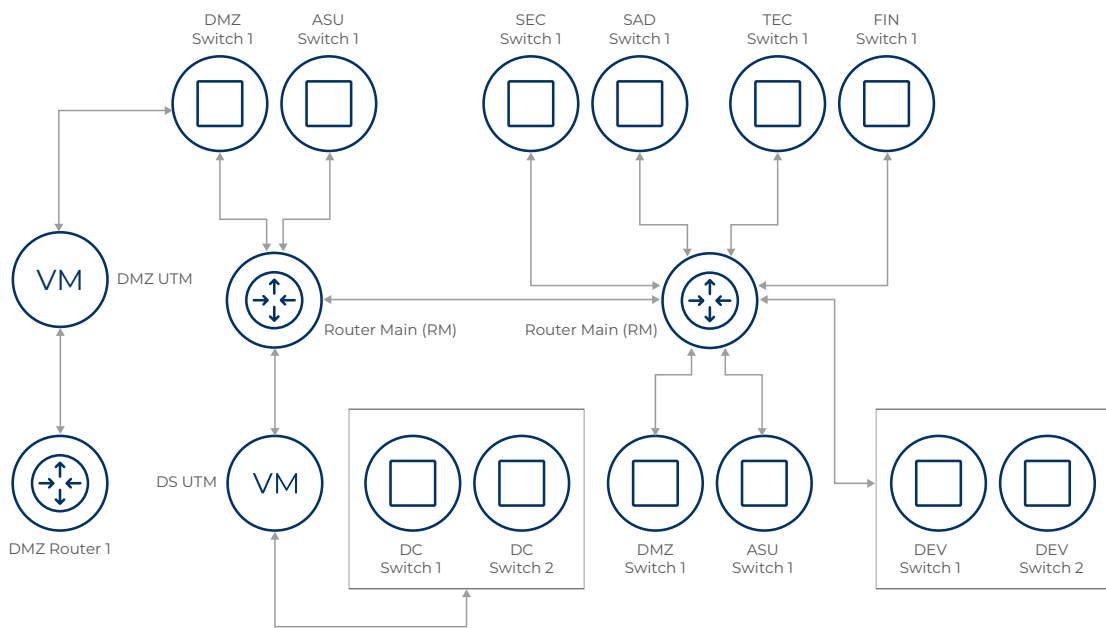
- New templates and scenarios delivered monthly
- Lessons include step-by-step guidance, hints and support
- All modules include hands-on simulation and practice
- Out of the box components to provide training for different skill levels from beginner to expert
- Practical, role-based learning
- On premise or cloud deployment model





## PLATFORM ARCHITECTURE

### 01. Live Network simulation with IT and SCADA segments



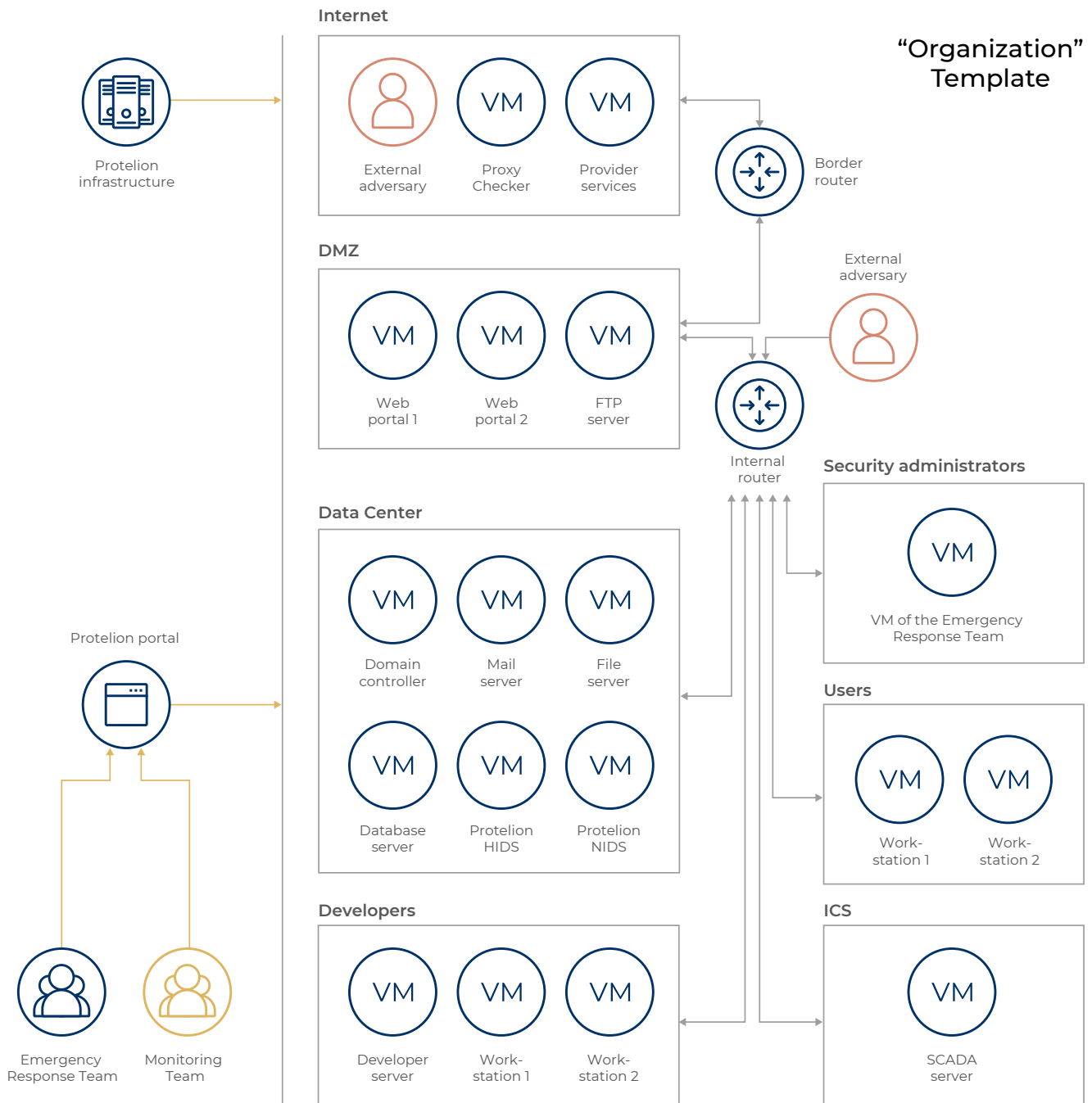
### 02. Security Operations Center



### 03. Proprietary automated attack machine



## 04. Out-of-the-box templates of training scenarios



Developed by a team of international cyber experts with extensive experience in cyber defense, the highly configurable platform consists of components containing multiple templates and scenarios. The flexible component based architecture enables instructors to build a wide range of courses encompassing security operations, DevOps, Applications Security AppSec or ICS/OT

that can be set for variable skill levels from basic to advanced. Implementing a Training Center using the Protelion Cyber Range Platform will not only improve your team's overall threat detection and response effectiveness but will also help you to understand strengths, weaknesses, progress and skills development for individuals and the team as a whole.

## ADVANTAGES



### Configurable

Easily develop your own customized courses for a variety of roles, skill levels and activities (workshops, training courses or certification tests)



### Easy to Use

Point-and-click to launch pre-built components



### Flexible

Use as a training platform, a simulation tool or a testbed. Simulate multiple environments in the same platform: IT, OT, Medical devices, IIoT, etc.



### Realistic

Advanced attack scenarios designed by cyber experts based on real world incidents

## SUITABLE FOR USE BY



### Government

(CERT Teams, national SOCs, military cyber experts etc.)



### Education

(universities, colleges, commercial training centers, etc.)



### Banks

(testbed, SOC teams, information security specialists, decision makers)



### Enterprises

(testbed, SOC teams, information security specialists, decision makers)



### MSSP

(testbed, internal SOC team, training services for education, SMB, financial services)

Cyber Range Platform as defined by the European Cyber Security Organization (ECS) consists of “interactive, simulated representations of an organization’s local network, system, tools and applications that are connected to a simulated Internet level environment. They provide a safe, legal environment to gain hands-on cyber skills and a secure environment for product development and security posture testing. A cyber range may include actual hardware and software or may be a combination of actual and virtual components. Ranges may be interoperable with other cyber range environments. The Internet level piece of the range environment includes not only simulated traffic, but also replicates network services such as webpages, browsers, and email as needed by the customer.”

Source: NIST (2018), Cyber Ranges, [https://www.nist.gov/system/files/documents/2018/02/13/cyber\\_ranges.pdf](https://www.nist.gov/system/files/documents/2018/02/13/cyber_ranges.pdf)



CONTACT US FOR DEMO OF OUR LIVE ENVIRONMENT TO EXPERIENCE  
HOW THE RANGE PLATFORM WILL HELP YOU:

