

Kaspersky Lab

Kaspersky interactive protection simulation

Healthcare scenario

Background / Problem statement:

Even the most creative IT Security solution has a weak spot – the users. Enterprises lose millions recovering from staff-related incidents – despite security awareness programs being in place in many organizations...

- Why does cybersecurity education fail?
- What needs to be changed to build a really safe corporate cyber environment?
- How to combine cybersecurity with business efficiency?

At Kaspersky Lab we believe that any Security Awareness program should build strong employees' behavior in regard to cybersecurity, not just give knowledge. This is achieved through a set of training products which involve gamification, learning-by-doing, simulated attacks, learning paths, etc.

Task:

Develop and describe a healthcare scenario for Kaspersky interactive protection simulation.

Solution requirements

- 1) Create a Game board with the physical structure of the organization (hospital/ clinic/ etc) and IT infrastructure.
- 2) Describe the valuables that can interest the cyber criminals. Suppose what average possible damage/loss amount can be and expected probability of an incident that targets this type of value.
- 3) Based on the real-life cases and their combinations, describe 2-4 potential attacks vectors.

Technical requirements for the solution

- Game board with physical and IT infrastructure (sketches are also acceptable)
- Presentation of attacks summary similar to example given. Links to real life cases are advised.

Evaluation criteria

- Criterion: Vividness of proposed physical and IT structure (should be typical)
Evaluation: maximum 5 - minimum 1.
- Variety of threats
Evaluation: maximum 5 - minimum 1.
- Reliance on real cases
Evaluation: maximum 5 - minimum 1.
- Quality of elaboration (a clear understanding of the impact of each attack on the system and the possible consequences for the game scenario)
Evaluation: maximum 5 - minimum 1.

Study materials

<https://box.kaspersky.com/f/17412466d064424facc4/>