Lab Assignment

Introduction to Cybersecurity

IC-01-L2
Basic DiD Planning

Lab Objective

Become familiar with the DiD structure and its related technologies.

Lab Mission

Identify suitable security control solutions for a provided company infrastructure.

Lab Duration

15–25 minutes

Requirements

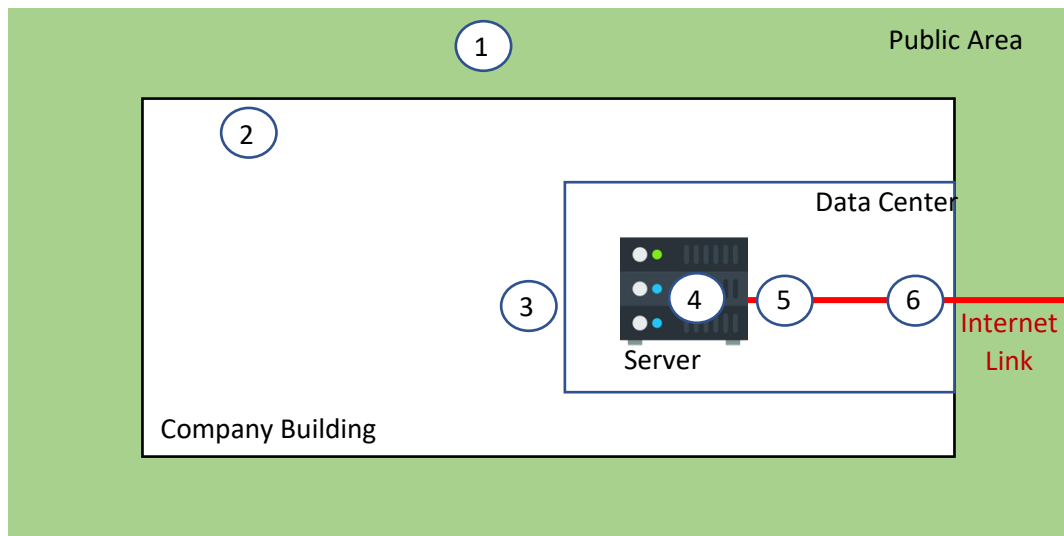- Basic understanding of Defense in Depth (DiD)

Resources

- Environment and tools
  - Text editor

Textbook References

- Chapter 1: Introduction to Cybersecurity
  - Section 7: Cybersecurity Defense Techniques

Lab Task: Defense in Depth Planning

The figure below represents a company's infrastructure.

1   Match each security control option below with its suitable numbered position in the structure above:

    A. Firewall

    B. Fence

    C. Authentication

    D. Door

    E. CCTV

    F. Intrusion prevention system (IPS)

2   Provide a basic explanation of the Defense in Depth concept.

3   Why is it important to have multiple layers of defense?

4   Translate the castle's defense mechanisms to cybersecurity-related defenses.