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**Word count (“Script here” column only):** 414

**Position in CCC content (e.g., M1L1):** M3L3

**Note:** File naming convention is CS01, CS02 for cybersecurity videos 1 and 2, etc., and DA01, DA02 for data analytics videos 1 and 2, etc. For simplification of tracking, please do not name module or lesson number in the file name.

#### Video title: Physical Threats

| **Scene** | **Script here** | **OST (on-screen text)** | **Visual type here** |
| --- | --- | --- | --- |
| 1 | When you think about cybersecurity threats, does your mind automatically bring up digital threats? |  | **ANIMATION**  Face of person thinking, question mark over the head, a laptop with a shield on the screen appears. |
| 2 | Threats can be more direct than that. Physical security safeguards computer hardware and other physical infrastructure. It defends assets from theft, damage, or unauthorized access.  No firewall or antivirus software can prevent someone from plugging directly into a network port, stealing someone’s laptop, or removing a hard disk from a data center. | Physical security  defends assets from direct threats like theft, damage, or access | **ANIMATION**  Same laptop with a shield as previous, a hammer comes down and smashes it. |
| 3 | If someone accesses a data center or steals a laptop, they may be able to steal sensitive information, damage hardware, or install malicious software directly. |  | **ANIMATION**  Malicious person enters a door, tucks a laptop under an arm, and uses other hand to pull loose cables or otherwise damage a rack of equipment. |
| 4 | Physical security can take many forms.  Consider the steps Maria, a cybersecurity analyst, takes when she gets to work each day. First, she uses her key card to enter the lobby. She waves to the security guard and the receptionist on her way by. Recognizing her, they both say good morning and return to their work. |  | **ANIMATION**  Face of Maria  Maria uses her card to enter the lobby. She waves to other people, they wave back. |
| 5 | Maria continues to the elevator, passing by the cameras located in the lobby, hallway, and elevators. She uses her key card to access the floor where the security operations center is located. She is the first to arrive, so when she enters the room the motion-detecting lights turn on. |  | **ANIMATION**  Maria enters elevator, camera is visible. She swipes her card in the elevator.  She enters a door and lights come on. |
| 6 | When she gets to her desk, she turns on her computer, enters her password, and verifies her identify with a thumbprint. |  | **ANIMATION**  Laptop, hands type as password box fills with dots, then a thumb presses to a print reader on the keyboard. |
| 7 | All of these steps help protect physical security, by deterring, preventing, or delaying malicious actors from entering, by identifying them, by defending an asset directly, or by other functions. The exact configuration of controls may vary, but they all serve a purpose, and they are layered so that if one fails, another will be in place to compensate. | Physical security tools   * Deter, prevent, or delay entry * Identify unauthorized people * Defend assets directly | **ANIMATION**  Checklist, a green check appears next to the top item, then a green check appears next to the second item, then a red x appears next to the third item, but a green check appears next to the fourth item. |
| 8 | This is just the tip of the iceberg when it comes to physical threats. Much of the world’s critical infrastructure is now networked, which means greater potential for physical breaches. Utility companies, transportation companies, and government agencies are prime examples of organizations that must take physical security very seriously. |  | **ANIMATION**  Computer appears in the middle, then as each is mentioned, icons for utilities (power line tower), transportation (airplane), and government (building) appear, connected to the computer by networking lines. |
| 9 | Environmental threats can also harm physical equipment. Extreme temperatures, humidity, fire, and moisture can destroy computer hardware. So can electrical surges or electromagnetic interference. Organizations need to plan defenses for these threats. | Environmental threats | **ANIMATION**  Computer rack in a data center, water drips on it from above, sparks appear where cables come in, a fire appears. |
| 10 | Companies can install detective controls like thermostats to for unusual conditions. If dangerous conditions are detected, corrective controls like air conditioning switches can take corrective action. | Detective controls   * Detect a threat   Corrective controls   * Change the environment in response to threat | **ANIMATION**  A thermometer and a room vent appear. On the thermometer, the line in it rises to a red mark, then an airflow appears coming out of the vent. |
| 11 | It's easy to forget that digital systems and information rely on physical components. For effective cybersecurity, though, it’s crucial to keep computers, storage devices, wiring, and other physical assets safe and secure. |  | **ANIMATION**  Server rack appears, dotted line draws around the rack, closing with a lock appearing and a thumbs-up hand. |

**Instructions for “Visual type” column:**

* Lower third
  + Lower thirds are the name and title of the person on screen, and should be used the first time we meet someone. Please make sure we have correct spellings and titles.
* Text on screen
  + This can be a few words, a phrase, or a full sentence.
* Quote on screen
  + Provide both the quote and attribution (if necessary).
* Bullets on screen
  + Include if we need a header for the list or bullets only.
* Image on screen
  + Include links to all external photos/videos you’d like us to use. PNG or JPG are preferred, at the highest resolution available.
  + Include name of the image/video file if it’s not clear.
  + If you don’t have an exact image to use, please describe what type of image you’d like to use.
* Animation on screen
  + Please include a description of what you’d like to see here.
    - For example: I want to see a Venn diagram of X, Y, and Z.
  + If you have a link to an image you’d like us to reference, please include it.
* Slides
  + Include slide number to use (animations within slides are ok) either exactly as provided, or as a reference.