CYBR1800

Stuxnet Paper

100 points

**Directions**: Write an essay- 2.5 page minimum (5-page max / not counting the title page or citation page), single spaced, 12-point font (Times or another similar font), and Font color black. Please submit through Blackboard.

\***Provide a cover page with your papers title, name, student number, course, and date.**

**\*Citation you may use MLA or APA (Use whatever you’re more comfortable with)**

On page 368 Sidebar 6-7 “Stuxnet May have Induced Hardware Failure”

60 Minutes: Stuxnet video: <https://www.youtube.com/watch?v=zEjUlbmD9kQ>

Documentary: Zero Days (2016) <https://www.youtube.com/watch?v=SoRoMykmibE>

Your essay should touch on the following questions:

Give a **detailed and** **complete overview of Stuxnet**. While writing your paper the following questions should be addressed in it: (Does not have to be answered in any particular order)

* 1. Explain in detail the Method-Opportunity-Motive of Stuxnet.
  2. Give any information on who was responsible and identify what type of attacker they are classified as.
  3. What part of the C.I.A triad was compromised?
  4. Explain what assets Stuxnet was specifically targeting and why? (Be as detailed as possible.)
  5. Explain the vulnerabilities that were exploited. Talk about the transmission and propagation of Stuxnet.
  6. How long did Stuxnet last before detected?
  7. Give examples of wiretapping or eavesdropping when it came to the Stuxnet being investigated.
  8. Was Stuxnet a zero-day attack? If so, please explain why.
  9. Give your opinion on if you think Stuxnet is like pandora box. Would it have been better left staying in the box or do you think it was a necessary evil to be release into the world?

Grading Rubric

Excellent/100 points – Responds with well-developed comments that addresses all aspects of the task. Demonstrates critical analysis of the topic. Perhaps additional questions or concerns are expressed.

Good/85 points – Posts adequate response with superficial thought and preparation; does not address all aspects of the task or the questions posed.

Fair/70 points – Response does not address most of the questions or fails to meet length requirement.

Poor/ 0 – Fails to address any aspects of the task or to make a submission.

**\*No cover page will result in a 10-point deduction.**

**\*Missing the page limit requirement / the specified format will result in point deduction.**

**\*Copying the questions and answering them is not an essay and will result in a 0 score.**