

Assignment Details

Unit 1 Assignment:

Scenario

You are in the role of a Cyber Security Project Manager within an organization of your choice. You are going to write an informational professional paper to give to your supervisor who is the Information Technology (IT) Manager for the organization. The IT Manager used to be a software engineer. The IT Manager knows that threats exist and software can be vulnerable to cyber-attack. The IT Manager also understands that malware exists that could cause devastation to an organization. The IT Manager wants more in-depth knowledge of software and access control vulnerabilities along with malware and is relying on you to help with that endeavor.

Instructions:

By conducting research, select at least two known software vulnerabilities, at least two known access control vulnerabilities and at least two types of known malware. Summarize the vulnerabilities and the malware that you selected. Find current (within the last year) case studies and/or incidence reports that reported a cyber-attack exploiting each type of vulnerability you selected and a cyber-attack that used the types of malware you selected. Determine the negative or harmful impact that would occur on a

person, organization, or nation if each vulnerability you chose were to be exploited. Also, determine the negative or harmful impact that the malware could have on a person, organization, or nation.

Your paper should be 5–6 pages of content (exclusive of cover sheet etc.), using Times New Roman font style, 12pt, double-spaced, using correct APA formatting, and include a cover sheet, table of contents, abstract, and reference page(s). Be sure to document your content with proper APA in text citations that match your reference list.

You must support your research and assertions with at least three credible sources. You may use peer-reviewed articles, trade magazine articles, or IT research company (Gartner, Forrester, etc.) reports to support your research; you can use the Library to search for supporting articles and for peer-reviewed articles. Wikipedia and similar sources are unacceptable.

In accordance with the Academic Integrity policy, your assignment will be automatically submitted to TurnItIn (see:

http://turnitin.com/en_us/features/originalitycheck).

The University policy states that papers submitted for credit in any course should contain less than 25% “non-original” material, so avoid large sections of direct quotes and be sure that you use APA formatting to properly cite and reference all non-original material.

No more than 1 figure and/or 1 table should be included and any figures or tables used must clearly support a specific point of the critical analysis. Any

figure or table must use an APA formatted figure or table caption.

Assignment Requirements:

- 5–6 pages of content (exclusive of cover sheet etc.), using Times New Roman font style, 12pt, double-spaced, using correct APA formatting, and include a cover sheet, table of contents, abstract, and reference page(s).
- At least three credible sources
- No more than one figure and/or table in the content
- No spelling errors.
- No grammar errors.
- No APA errors.

For more information and example of APA formatting visit the Writing Center from the Homepage.

Also review the Policy on Plagiarism. If you have any questions, please contact your professor.

Rubric

Review the assignment instructions and grading rubric.

https://kapextmediassl-a.akamaihd.net/IST/IT544_1506D/docs/IT544_U1_Assignment.pdf

Submit completed work here when completed: [Unit 1 Assignment Dropbox](#)