

Alice, a York student, regularly backs up the content of her laptop on a portable hard-drive. By doing so, Alice is actually improving/strengthening:

- 1) confidentiality and integrity of her data
- 2) confidentiality and availability of her data
- 3) integrity and availability of her data
- 4) one of the above; portable hard-drives are generally bad idea

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A hacker known as Mallory has cracked (obtained) your EECS password and is now able to log in into your EECS account 'pretending' to be you. You and EECS tech team are not aware of this compromise.

Which type of attack is Mallory able to conduct against you / your data:

- 1) attack on data confidentiality and availability
- 2) attack on data confidentiality and integrity
- 3) attack on data integrity and availability
- 4) attack on all three (data confidentiality, integrity and availability)

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A hacker known as Trudy has developed a new strain of malware/virus targeting the Outlook email client. The virus is capable of modifying the way the Outlook client operates. Namely, an Outlook client infected with this virus will automatically delete (i.e., will not present to the user) any newly arrived email that carries/contains the words “York University”.

In terms of the CIA, which of the following are attacked by such malware:

1) software availability and data confidentiality

2) software confidentiality and data integrity

3) software integrity and data confidentiality

4) software integrity and data availability

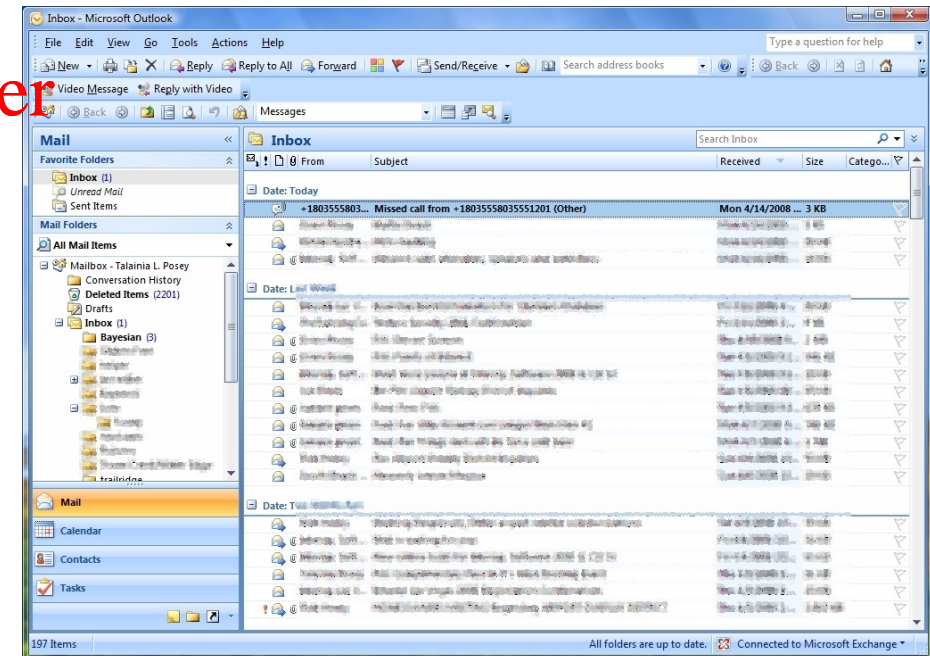
5) software confidentiality and data confidentiality

6) software availability and data integrity

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You are in the middle of writing an online Quiz for 3482, when your 'evil roommate' Eve powers off the WiFi router which two of you share, and thus causes an Internet-connection outage on your computer.

In terms of the CIA, this situation can be considered as an attack on:

1) software integrity

2) hardware availability

3) data confidentiality

4) all of the above

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