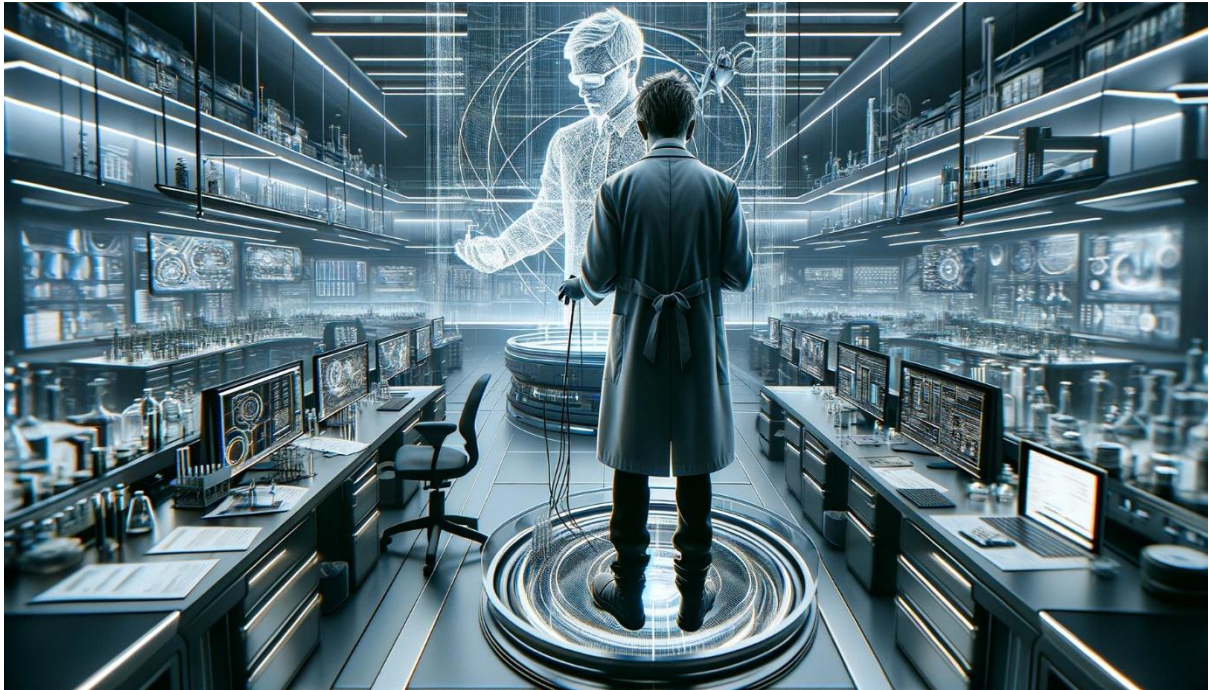


Practical Assessment: CIA Triad



Oscorp is currently working on a Highly Confidential new medication. The project is still in its early stages of development and it's lead by the Chief Scientist: Harry Osborn.

At the moment, the Chief Scientist has just compiled a list of ingredients that he needs to start experimenting with the drug.

The ingredients are written on a Microsoft word document.

Problem:

You are tasked with conducting an early assessment on the project using the CIA triad to ensure that the confidentiality, integrity, and availability of the word document are held to an acceptable standard.

What questions will you ask Harry as they related to the CIA triad?

What recommendations would you provide?

Your answer

Questions:

Whether Harry uses an antivirus tool in the system that has this document saved.

Has Harry kept the document password protected.

Has Harry done the due diligence to ask the organisation to do a privacy impact assessment on the office network he is connected to?

Is there any third party vendor who is working with him too and whether he has access to this document and the necessary risk management required there.

Recommendations:

1. A trusted antivirus installed in his system.
2. A VPN to be used when dealing with vendors or contractors with this document or project.
3. Privacy Impact Assessment done by an organisation before he takes any step.
4. Password protection to his documents.
5. Consideration for a cybersecurity awareness training .

The following are possible questions that should be asked:

Confidentiality:

Who have access to the word document?

How do you ensure that only authorised individuals can access this data?

Is this file encrypted?

Is it password protected? If yes, who has the password?

Are there restrictions in place to prevent copying this file to a USB flash drive?

Are there controls in place to prevent individuals from uploading this file to a website or sending it over as an attachment in an email?

Integrity

Do you have regular backups of this file? If yes, have you tested those backups?

Do you have controls in place to prevent modifying the file?

Is there a version control system in place to track changes made to the document?

Availability

Does Oscorp have high availability solutions in place? If yes, is this document stored on a high available system?

Did this system undergo disaster recovery testing?

Do you have accurate backups of this file in case it gets lost?

Recommendations:

GRC Mastery by Abed Hamdan

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