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## Cybersecurity consultants

Cybersecurity consultants are professionals who identify problems, assess risk, evaluate security issues, and implement solutions to defend against threats to an organization's networks and computer systems (Coursera Staff, 2026). They are a vital part of an organization's fight to eliminate cyber risk and threats.

## Cybersecurity consultants task.

Cybersecurity consultants' main focus is on risk prevention, detection and response but they also have many other tasks. Some of these tasks include Vulnerability identification, treat resolution, development of preventative measures, penetration testing, and policy and workflow development. Throughout their day they are analyzing vulnerabilities and developing security strategies to protect computer systems and networks from cyber attacks (Dawson, 2025). One of their key tasks is to assess the state of the organization's security measures, procedures, and policies. When doing this, cybersecurity consultants interact with many people from their organization, from new employees to managers, to the chief information security officer to make sure that the organization as a whole is secure and practicing internet safety to prevent threats

## Some topics from class

Relativism in terms of cybersecurity means that all things are connected, from social systems and behavior to technological systems in an organization's network. Cybersecurity consultants include relativism when they are developing procedures for the employees of an organization to follow. This is because a vulnerability in one department can be related to

another department and create a bigger security issue. Understanding that all operations of an organization are connected allows for limited cybersecurity vulnerabilities when doing tasks at work.

Cybersecurity consultants have to focus on the human factors of Cybersecurity when carrying out detection practices, vulnerability identification, and responding to threats. There are many human factors within cybersecurity. Human factors explore how factors related to being a human influences processes, procedures, and systems. Cybersecurity consultants have to think about common human factors and how they can be vulnerabilities within an organization's network. Some of these factors include having weak passwords, mishandling sensitive data, and falling for phishing scams and social engineering. These human factors from employees of the company fall under their tasks of identifying vulnerabilities. Human factors also play a role in responding to threats. An example is how human errors like incorrect code or unpatched systems from cyber criminals can make detection practices easier.

The principle of parsimony also plays a role in cybersecurity consultants' tasks. Because they have to introduce policies and procedures that the organization and its employees should follow, they want to make it as clear as possible so that there can be a clear understanding of what needs to happen, when it needs to happen, and why the procedures they are doing are important to the safety and security of the organization.

Lastly, the risk triangle or the CIA Triad plays a vital part in how cybersecurity consultants carry out their task. Confidentiality, Integrity, and Availability are the three parts of the CIA Triad. Attacks from threat agents can target any of these three parts of an organization. A response from a cybersecurity consultant would be to figure out what the attacker is trying to

target, protect and secure information and data in that section, and prevent them from interfering with business operations.

## Conclusion

Conclusion; Cybersecurity consultants have a vital role in protecting an organization's network by identifying vulnerabilities, forming procedures, and responding to threats. Social science research and principles that we learned in class like relativism, human factors, parsimony, and the CIA triad play a huge part in these professionals' daily routines as they help them understand the impact that society has on cyber security and how it can be used for good.

## Works cited

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