

### Journal Entry #1

A framework is an underlying structure that supports something that is bigger than itself, such as a system or concept. In terms of cybersecurity, a framework is a set of guidelines and practices that helps manage cybersecurity-related risks (Keller). The National Institute of Standards and Technology, also known as NIST, has a cybersecurity framework that promotes protection and critical infrastructure relating to national security. NIST's cybersecurity framework consists of 5 core activities to help achieve certain cybersecurity outcomes, which are Identity, Protect, Detect, Respond, and Recover, in that exact order. Identity is the first step in the NIST's cybersecurity framework. The purpose of Identity is to develop an understanding of the risks that come with cybersecurity. Risks that may affect people, assets, data, etc. A couple of examples that are found within the Identity function are Asset Management and Risk Management Strategy. The Protect function is the second step in the framework in which its goal is to develop and implement safeguards in case a cybersecurity attack were to occur. In order to protect, your organization must have control access, conduct awareness training, and be able to put processes into place. The third function is to Detect. Your organization must be able to quickly identify cybersecurity events and how to handle them appropriately. The fourth function of the cybersecurity framework is to respond. How will your organization respond to the cybersecurity event that has occurred? When responding to a cybersecurity event, your organization must be able to communicate effectively as well as craft a response plan. It is imperative that your organization is able to perform all of the required activities in order to eliminate the event as a whole. The fifth and last function is to Recover after the cybersecurity event has been eradicated. The organization must be able to restore any services that may have been affected by the cybersecurity event. Having a framework for your organization can overall help your organization be protected, giving the organization more peace of mind when dealing with their critical assets.

## Works Cited

Keller, Nicole. "Cybersecurity Framework." NIST, 3 Sept. 2019,  
<https://www.nist.gov/cyberframework>