Southern New Hampshire University

CS 405 Secure Coding

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Defense in Depth or DiD is a form of cybersecurity and refers to a series of defensive mechanisms which are layered to protect valuable and sensitive data and information. Creating multiple layers of defenses can be redundant but ultimately will prevent the penetration of a systems defenses. Depending on the situation and needs, the layers created can include antivirus software, physical, administrative, or technical controls with layer depth being dependent on how much security that specific situation calls for. Keeping in mind that if the layers are too much it can get costly and difficult to maintain and even cause issues within the layers.

Depending on the number of layers, it can take a lot of time to gain access to a system but depending on the situation this may be worth the time it takes to gain access. This really depends on any policies and laws that are in place. Some security protocols can be very expensive to implement as well. Some are upfront costs for the software and others have maintenance fees. Keeping the level of security feasible for the given situation is important to keeping these costs at a minimum and preventing extra costs where not necessary. Some considerations can be taken such as the company. If a company is known or advertises its ability to protect and that system protection fails at any point, the company could get hit badly and lose its respected name. It can also cause the loss of customers and their trust in that company.