2-1 Journal

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Defense in depth is the comprehensive approach to layering network and application security so that there is not a singular line of defense that can be easily thwarted by attackers. When is this security principle too much for an organization? Although there needs to be an approach based on defense in depth concepts to adequately minimize the risk to organizations infrastructure the trade off is with least astonishment or the ability for users to be able to use resources as intended without being limited by complexity of use. Layering defenses is important but putting a firewall behind every router or an access control on all data could become so restrictive that the system no longer can function effectively. Consideration should be given to how resources are used to build an effective layered defense strategy. This has to do with adequately funding a budget for necessary hardware, software and personnel to manage the system. This can take time to develop as a defensive layering strategy is an approach that needs balance both to make sure that time in managing the system is feasible both to the administrators and the users. Failure to consider both aspects of layering defense which is an effective system that does not provide a singular line of defense while providing least astonishment for the users could cost the company reputation both in the event of an attack and internally if the users struggle to work with what has been implemented for defense.

One of the unique things about defense in depth is no two organizations will be the same. Every organization will prevent its own needs and thresholds for requirements outlined in their approach. Defense in depth is not to be taken with a single-minded approach given the facts. Organizations must look to assessing how they use information in accordance with regulations and local guidelines in order to build the appropriate strategy for an effective plan.

References

*What is defense in depth?* (2021, May 6). Retrieved from https://www.forcepoint.com/cyber-edu/defense-depth