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Summary Moving Target Define

Moving Target Defense (MTD) is a method that we use in order to reduce the asymmetry between the attacker and user by constantly shifting and changing the configuration over time to increase the complexity for the attacker. We all know that web applications contain many flaws that attackers can find which later steal the private information of the defendant side. Thus, MTD is an additional layer of defense that users can use to guard themselves away from the attacker. One of the basic layers of MTD includes: switching language to language in the server-side end, which enhances the complexity of the back-end system making attackers harder and more costly to get one piece of information. With defensive layers created from MTD, the defender is safer while surfing the web which makes the system much more secure.

The MTD defense layer mechanism gives us as defenders such an enormous benefit that it helps to keep our information more private and protected. The article also provides descriptively for each layer in the web approach which ensures the security that users deserve to have. Given different approaches to MTD, it helps us to protect our data. However, there is not 100% sure that MTD will not allow attackers to steal the information. When attackers figure out the mechanism of MTD, it will likely cause some threats to the defender. MTD is new, and researching in-depth is the only key that will ensure the rate of being attacked online is low which makes the Internet safer for everyone.

Works Cited

Taguinod, Marthony, et al. “Toward a Moving Target Defense for Web Applications.” *2015 IEEE International Conference on Information Reuse and Integration*, 2015, https://doi.org/10.1109/iri.2015.84.