

EECS710: Information Security and Assurance

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Assignment 8: Operating Systems Security

Points: 20

Due: 11/12/2014

Suppose you operate an Apache-based Linux Web server that hosts your company's e-commerce site. Suppose further that there is a worm called *WorminatorX* which exploits a buffer overflow bug in the Apache Web server package that can result in a remote root compromise. Construct a simple threat model that describes the risks this represents: attacker(s), attack-vector, vulnerability, assets, likelihood of occurrence, likely impact, and plausible mitigations.