

Cyber Attacks Against E-Learning Platforms. A Case Study Using Attack Trees

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Abstract

The global context of the first part of 2020 has led to a change in the way humanity has carried out its professional and educational activity. E-learning platforms have become an interesting target for cyber attackers. This paper presents the evolution of Moodle vulnerabilities and a possible AT (Attack Tree) built around this e-learning platform. The AT highlights software vulnerabilities and physical events that can compromise the security / availability of a Moodle platform.

Index terms: e-learning, Moodle, software vulnerabilities, Attack Tree

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