

INTERNSHIP

Defend Against Cyber Attacks: Automate Security Reporting

Description of assignment

Prevention is better than cure. It may just be a simple saying, but in Cyber Security it is also an essential concept. So essential, in fact, that it forms the central theme of this internship assignment. To understand what we want to prevent, it is first important to know what we aim to avoid.

In this assignment, you will explore how to monitor the status and health of a PAM (Privileged Access Management) solution and how to automatically report on it. The PAM solution used for this assignment is CyberArk PAM.

CyberArk PAM is a leading solution in the field of Privileged Access Management, designed to strengthen organizational security by managing and protecting privileged accounts and access rights. PAM plays a crucial role in minimizing cyber threats and safeguarding critical systems and sensitive data.



Objectives

The following deliverables will be expected:

1. Setting up a CyberArk PAM test environment
2. Automatically retrieving the status of the CyberArk PAM environment through PowerShell scripting, by reading log files and sending API calls
3. Automatically generating a report with the retrieved data

Project Methodology

ActWise applies agile project methodologies, such as XP and SCRUM, to its projects. The project described above follows the same approach. These methodologies focus on ensuring the quality of software solutions. This is achieved by breaking the project into shorter iterations and by fostering intensive communication within and beyond the project team. The emphasis on intensive communication is an intrinsic characteristic of agile, resulting in thorough guidance throughout the internship period.

Contact details

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