



INTERNSHIP ASSIGNMENT

INTELLIGENCE GATHERING LEVERAGING HONEYPOTS

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Stageopdracht

Intelligence Gathering Leveraging Honeypots

Omschrijving

The cyber security landscape is in constant movement. Information on threat actors and their exploit techniques can be gained in multiple ways, ranging from opensource threat intelligence to what we encounter in the field.

Another useful source of information stems from leveraging honeypots. Honeypots are vulnerable systems which are designed to be alluring targets for hackers. Once a hacker has broken into a honeypot, the event logs, forwarded to a SIEM, can be analyzed and processed.

Some use cases may consist of:

- Gathering data on new exploit techniques and malware
- Capturing and processing malicious IPs and indicators of compromise to correlate with events on customer environments

Uitwerking

In this assignment we will work towards the following goals:

- Research the concept of honeypots and identify requirements
- Research and benchmark existing opensource honeypot projects
- Deploy and manage a honeypot as a proof of concept
- Allow for integration with a SIEM, using syslog
- Create and document procedures to deploy and manage a honeypot
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Technologie

Windows OS

Omkadering

To complete this assignment, you will be supported by security engineers within Nynox. They will help you to keep on track and assist you with both technical and practical considerations.

