TWILIGHT CLOUD CODERZ

Microsoft Sentinel Hackathon - Spring 2022

TWILIGHT MALWARE THREAT DETECTION

POWERED BY

MICROSOFT

DEVPOST

TEAM-TWILIGHT

DEEPAN

KAVYA

Major Security Problems

01 Backdoor- malware that gives malicious hackers remote access

02 Password stealer-malware that gathers usernames and passwords

03 Ransomware- malware that encrypts your files

04 Trojan-malware that attempts to appear harmless

05 Worm-malware that spreads to other devices file sharing

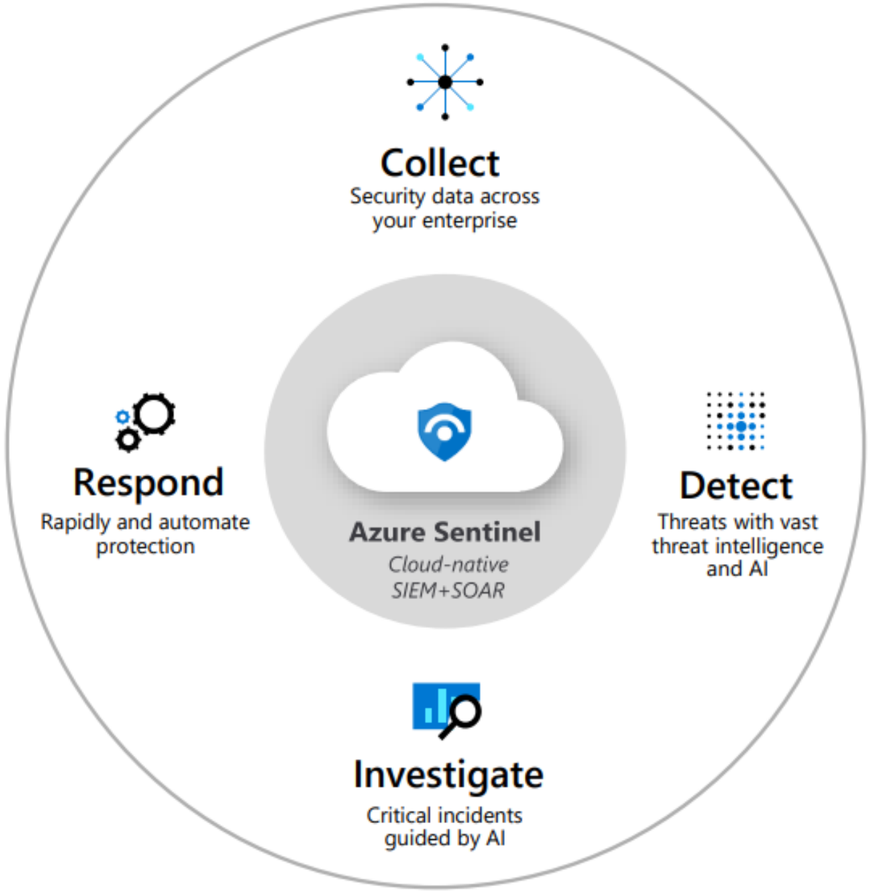
MICROSOFT AZURE SENTINEL

Limitless cloud speed and scale

Bring your Office 365 data for Free

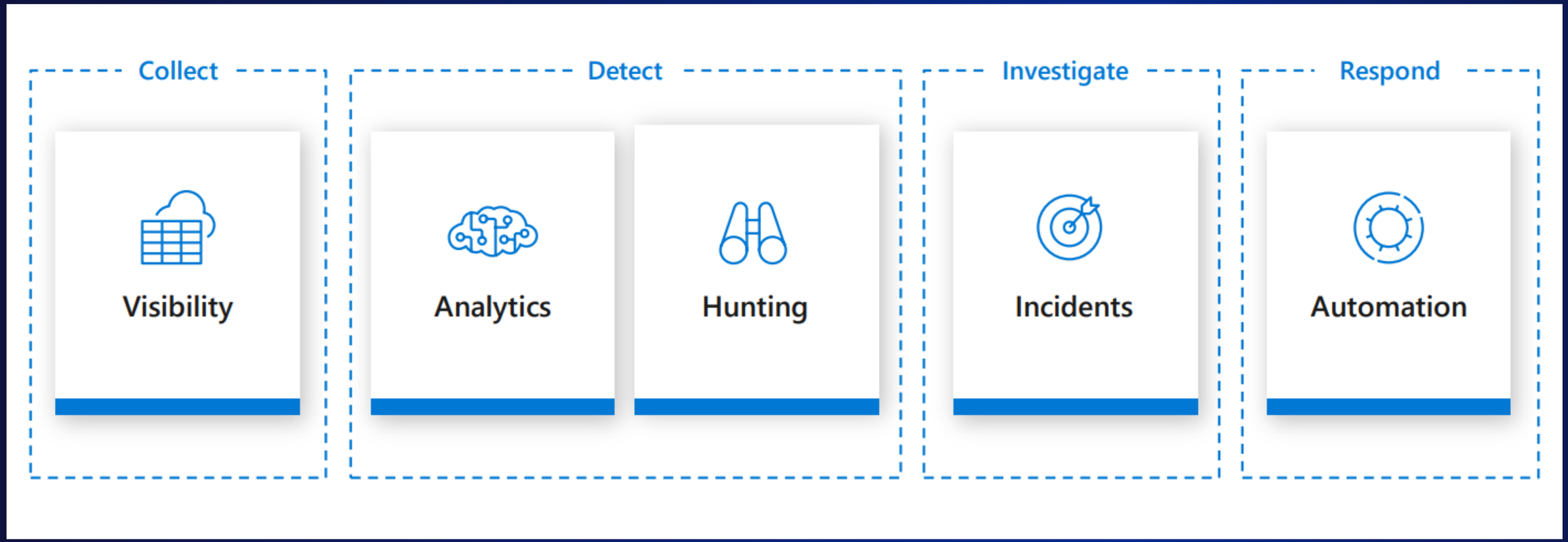
Easy integration with your existing tools

Faster threat protection with AI by your side



SOLUTION

AZURE SENTINEL END TO END SOLUTION



TWILIGHT CLOUD CODERZ

Architecture

AZURE

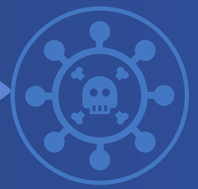
SUBSCRIPTION

RESOURCE GROUP

VM

SENTINEL

LOG ANALYTICS WORKSPACE



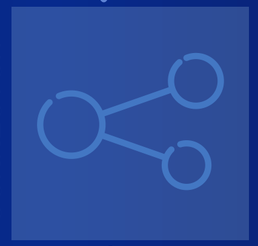
THREAT INTELLIGENCE

AUTOMATION

WORKBOOK

ANALYTICS

CONNECTOR



Communication

servicenow

Ticket Analysis

Channel

mail

TWILIGHT CLOUD CODERZ

How it Works

WEB SERVER

VM

Machine which has malware exe installed

SENTINEL

Azure Sentinel with log analytics workspace enables to detect threat intelligence of malware exe

THREAT INTELLIGENCE

Threat Intelligence detects malware files,exe,tools by value type such as URLs, file hashes, or IP addresses with known threat activity such as phishing, botnets, or malware

AUTOMATION Logic Apps

Automation Rule playbook creation using logic apps which connects to external services like servicenow for ticket, teams channels, mail communication for high severity issues

WORKBOOK

workbooks to visualize and monitor your data Using flow connector n.

Microsoft Sentinel allows you to create custom workbooks across your data, and also comes with built-in workbook templates to allow you to quickly gain insights across your data as soon as you connect a data source.

ANALYTICS

Analytics rules search for specific events or sets of events across your environment, alert you when certain event thresholds or conditions are reached, generate incidents for your SOC to triage and investigate, and respond to threats with automated tracking and remediation processes

Communication

servicenow

Visibility *Detection* *Automation* *Data Visualization* *Rule*

Demonstration

Git hub link

https://github.com/TWILIGHTCLOUDCODERZ/TWILIGHTSENTINEL

Video Link

https://youtu.be/b_Rkvzue_Vg

Thanks for the opportunity to learn and explore new technology

Team - Twilight

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