# RODUCTION TO Ommunity Sy







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### AGENDA

Introduction to Threat Hunting

Zeek and Suricata Command Line Analysis

ZUI: Graphical User Interface for Data Exploration

Mosium

ZUI Walkthrough

Conclusion

#### INTRODUCTION TO THREAT HUNTING

- What is Threat Hunting?
- Proactive approach to cybersecurity
- Identifying and mitigating threats before they cause harm
- Importance of data exploration in threat hunting



#### ZEEK AND SURICATA COMMAND LINE Analysis

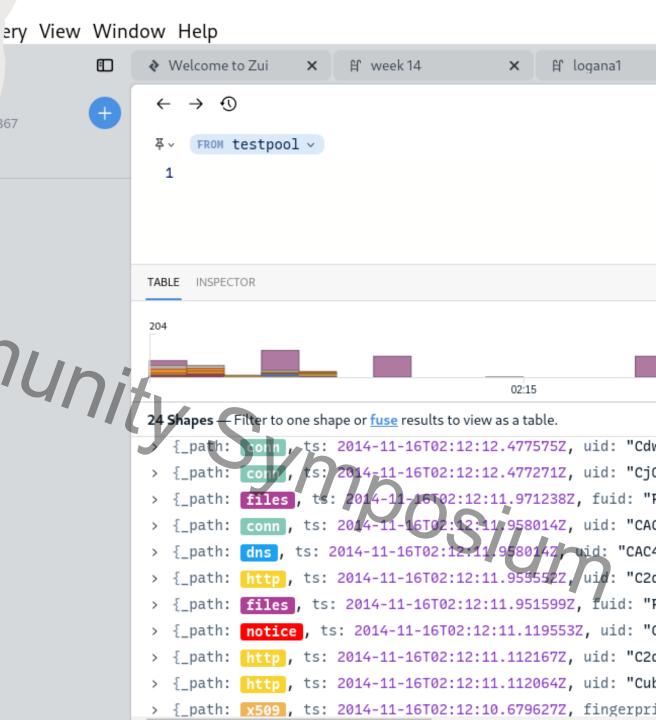
- Overview of Zeek and Suricata
- · Command line analysis for network security monitoring
- Benefits of understanding command line analysis
- Preparation for advanced threat hunting techniques

#### ZUI: GRAPHICAL USER INTERFACE FOR DATA EXPLORATION

- Introduction to ZUI (formerly called Brim)
- Purpose: Graphical interface for exploring data in Zed lakes

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- Features:
  - Visual representation of data
  - Streamlined data analysis
  - Intuitive user interface



#### WALKTHROUGH - PART 1



Accessing ZUI interface



Overview of main components:

Search Bar
Data Panels

OS



Importing data into ZUI

#### EXPLORING DATA USING ZUI:





Data manipulation techniques



hmunity Symposium Identifying patterns and anomalies

#### DEMO: THREAT HUNTING WITH ZUI

Live demonstration of ZUI interface

Analyzing sample data sets

Identifying potential threats

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#### ONCLUSION

Recap of key points:

Importance of threat hunting

Zeek and Suricata command line analysis

Introduction to ZUI for data exploration

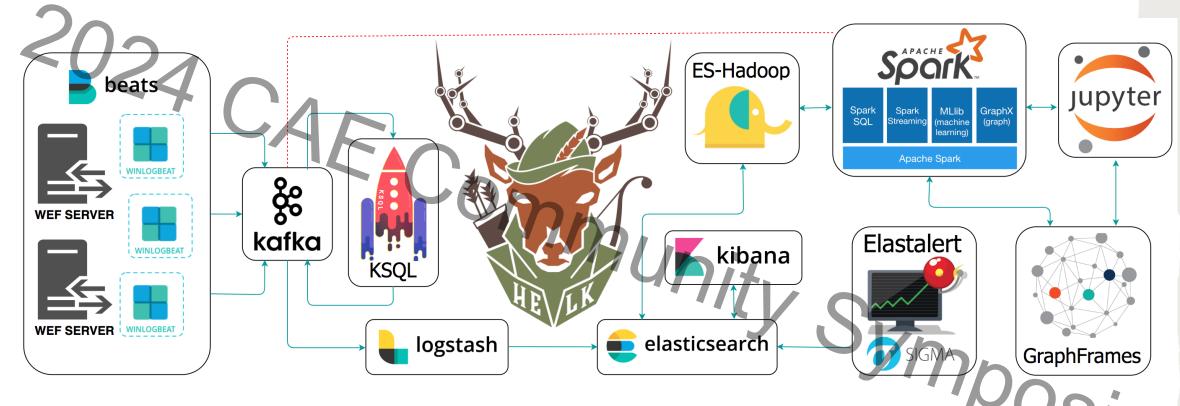
Encouragement to explore further:

Practice Zeek and Suricata command line analysis

() Symposium Explore ZUI for advanced threat hunting techniques



## OPEN-SOURCE THREAT HUNTING PLATFORM



An open-source Hunting Elastic Stack (HELK) is used as a central data analytics tool. The outputs of the HELK feed hunting trigger phase.

In this project, HELK is used to monitor network traffic and device logs, detect anomalies and their correlated components, detect MITRE ATT&CK TTPS, and trigger the threat hunting phase.

https://github.com/Cyb3rWard0g/HELK?ref=fr33s0ul.tech