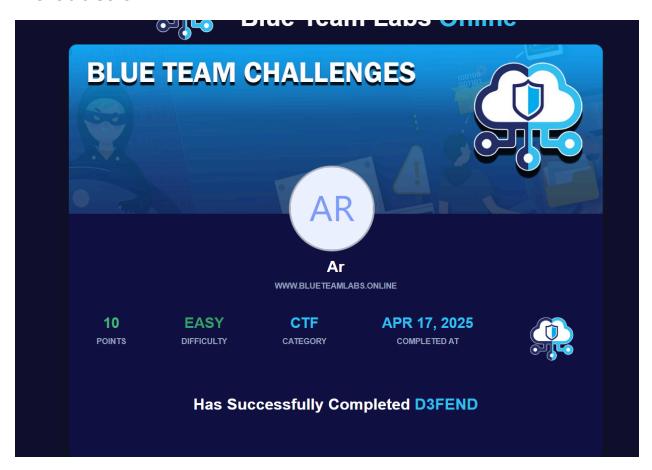
BTLO Challenge Documentation

Investigation Title: D3FEND Investigation

Summary:

This investigation focuses on understanding the defensive cybersecurity techniques cataloged in the <u>MITRE</u> <u>D3FEND</u> framework. The challenge required exploring various IDs, concepts, and associated tools that relate to defensive strategies against offensive cyber threats

Introduction



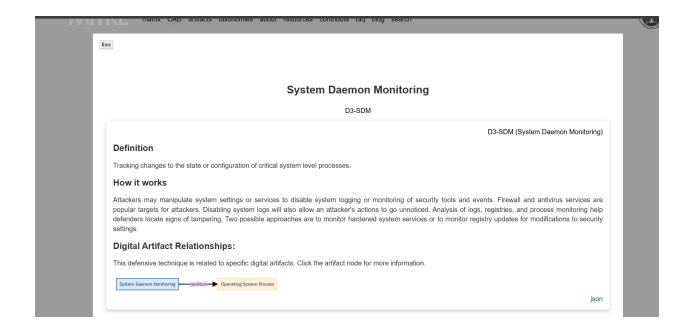
Questions and Answers:

1 Question:

What is the corresponding name for the ID 'D3-SDM'?

Answer: System Daemon Monitoring

Source: SystemDaemonMonitoring – MITRE D3FEND



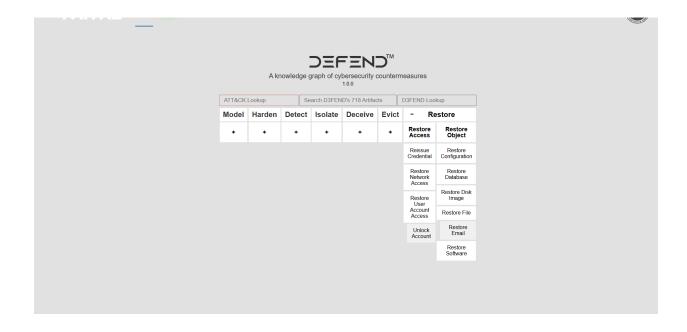
2 Question:

What are the five general tactics used to classify each defensive method? (In the order they appear)

Answer:

- Deceive
- Detect
- Evict
- Harden
- Isolate

• Source: <u>D3FEND Framework Homepage</u>

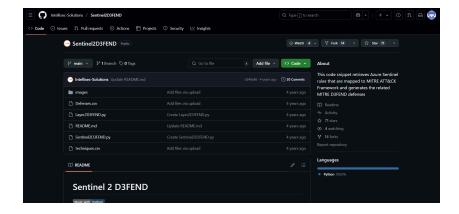


3 Question:

What open-source project retrieves Azure Sentinel rules that are mapped to MITRE ATT&CK Framework and generates the related MITRE D3FEND defenses?

Answer: Sentinel 2 D3FEND

Source: GitHub Repository - Sentinel2D3FEND

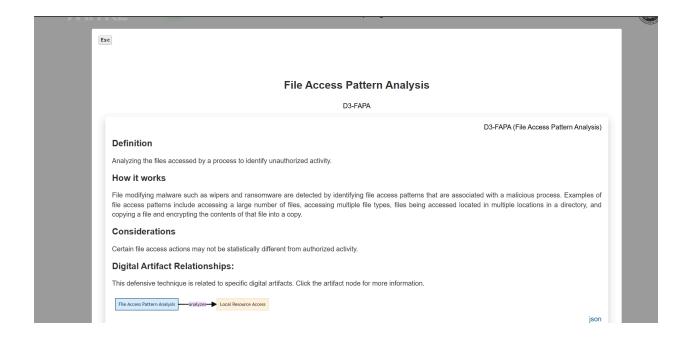


4 Question:

What does 'File Access Pattern Analysis' mean?

Answer: Analyzing the files accessed by a process to identify unauthorized activity.

Source: FileAccessPatternAnalysis – MITRE D3FEND

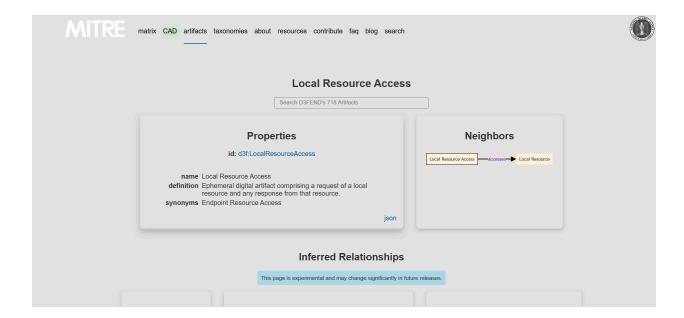


5 Question:

What does 'Local Resource Access' artifact mean?

Answer: Ephemeral digital artifact comprising a request of a local resource and any response from that resource.

Source: LocalResourceAccess – MITRE D3FEND



5

V Tools Used:

- Google Search (for OSINT)
- MITRE D3FEND website
- GitHub for open-source tool research

Notes:

This documentation reflects my exploration and learning of D3FEND techniques, useful for building strong cyber defense understanding. It is part of my BTLO portfolio.