



SHARING AND AUTOMATION FOR
PRIVACY PRESERVING ATTACK
NEUTRALIZATION

SAPPAN: Standardization of cybersecurity playbooks

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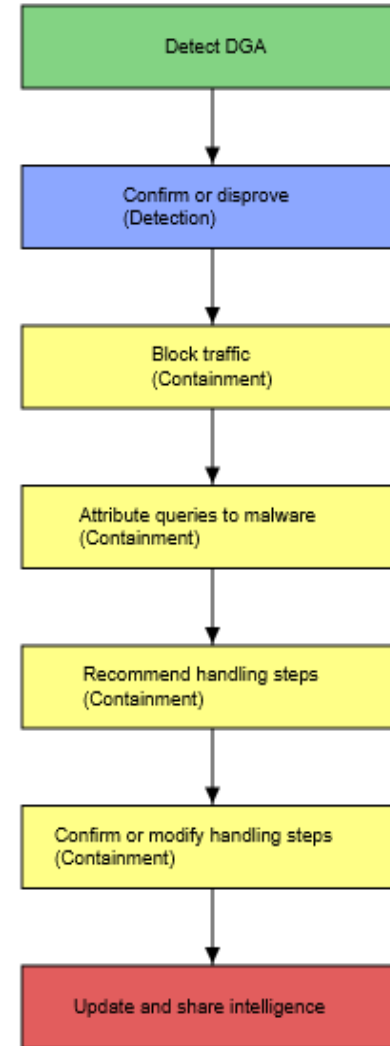
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Playbooks intro

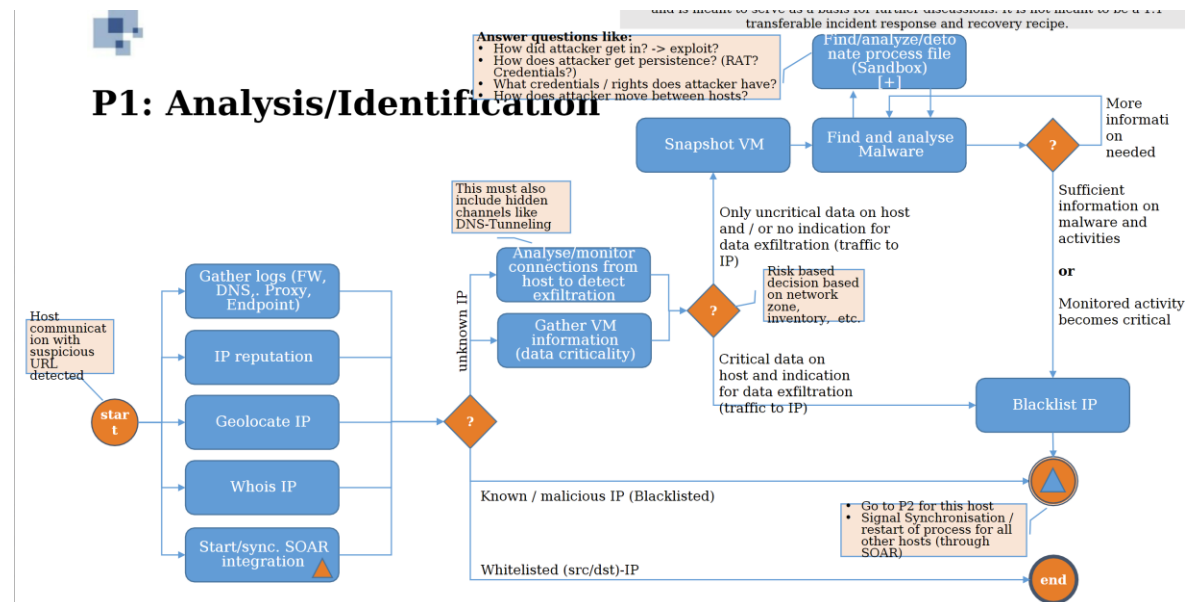
- The response handling information captures guidelines for the particular phase in incident handling life cycle (preparation, analysis, containment, post-incident) and the particular threat/attack/incident. The guidelines are often documented as playbooks that are high-level human-readable, written in plain text without structure.
- One of the SAPPAN goals was to give structure to playbooks to make them machine-readable and actionable.





SAPPAN playbook

- SAPPAN created its standard to capture cybersecurity response and recovery actions 1/2021
- Approximately at the same time we discovered there is Technical Committee CACAO under OASIS introducing its standard for cybersecurity playbooks





Sharing playbooks

- We got in touch with the CACAO TC
- Discussed our next goal to share the playbooks
- Proposed an implementation of playbook representation in MISP
- After fine-tuning details we pushed the cybersecurity playbook object data model in MISP repository with positive reaction from A. Dulanoy (CIRCL.LU)
- Joint paper describing our effort
 - Mavroeidis, V. et al: On the Integration of Course of Action Playbooks into Shareable Cyber Threat Intelligence.

