# **Threat Hunting Process**

Security Defense Center at ING User Experiences

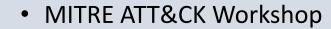
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• May 2020

## Quick intro

#### Renato Fontana

- From .br
- 1<sup>st</sup> time speaking
- Threat Hunting Lead at ING SDC (~2 years)



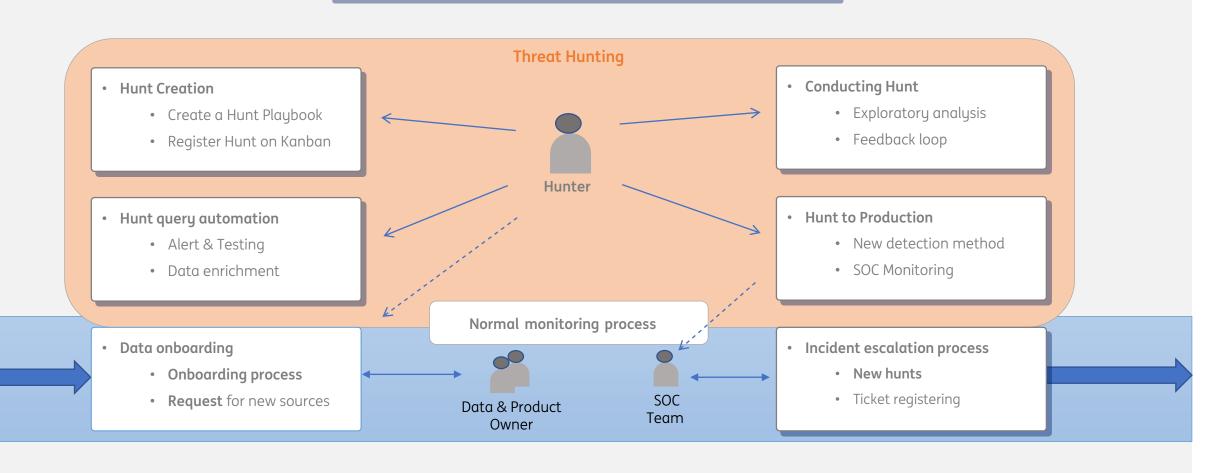


Twitter: @rcfontana

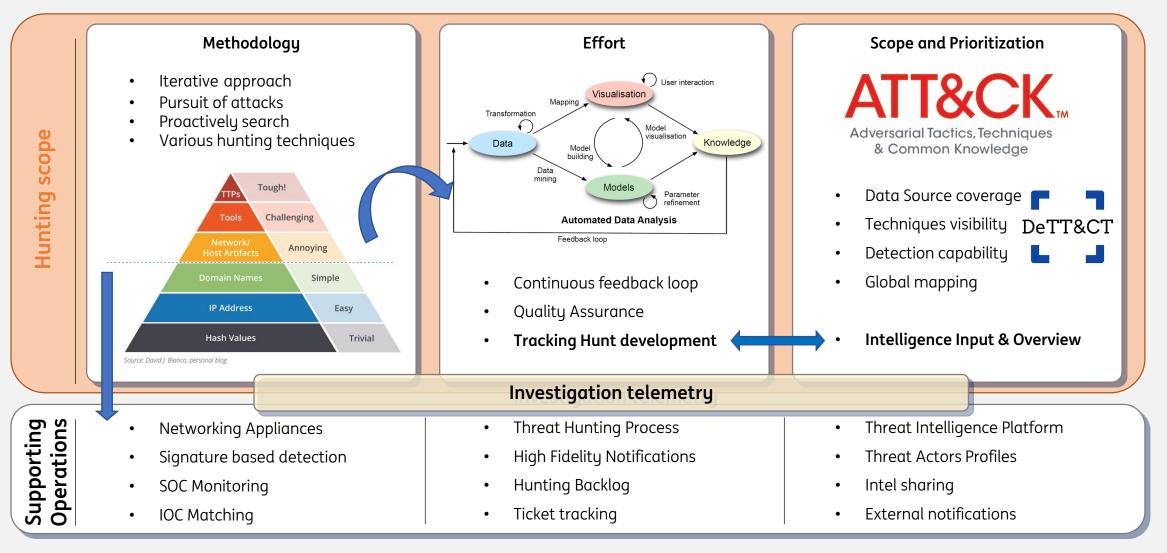
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## **Threat Hunting Process**

- Hunts are investigative efforts that yield high fidelity insights
- Aim to detect what conventional monitoring appliances won't capture



## **Threat Hunting Core**



**Standard Monitoring** 

Hunting

Intelligence

Source: Renato Fontana

## **Hunt development**

- ! Hunting capabilities are highly depended on existing data sources
- ! Querying environment and specific tool set for exploratory analysis

#### Kanban phases

#### **Backlog**

Research

Domain expertise

Suspicious behaviors

Intel knowledge

Community detection methods

Red/Purple Team

#### **Development**

Datasource Availability

Query search

Further research

Community detection methods

MITRE Mapping

Detection scope

#### Testing

Experimentation phase

False positive ratio

Early detections

Refinement and QA

#### **Acceptance**

Running for 1-2

weeks

Assigned to

Testing

environment

Waiting approaval

#### **Production**

Hunt tested

Pushed to 24/7 monitoring

Runbook Playbook

Escalated as normal incidents

#### **Deprecated**

Previous hunts

Out of scope

No more datasources

Incorporated by another hunt

Picked up by Monitoring Appliaces

#### Freely state transitions

# Thank you!

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