

# Threat Operations using ATT&CK at the Bank of England

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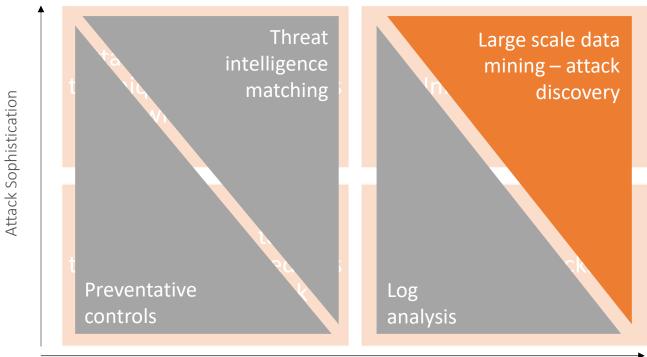


Detect and respond to cyber-attacks against the Bank of England



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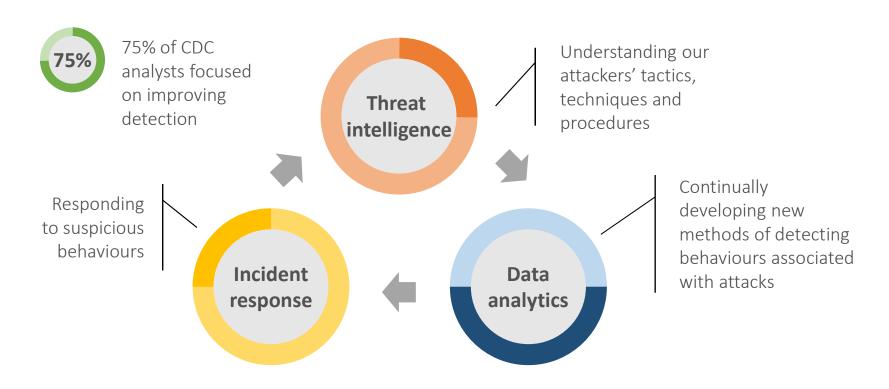
## CDC – Our approach



How targeted is the attack



#### CDC – Our operating model





#### Point 1: Introducing Threat Operations & ATT&CK

#### Threat Operations goals:

#### 1. Clear and unified purpose

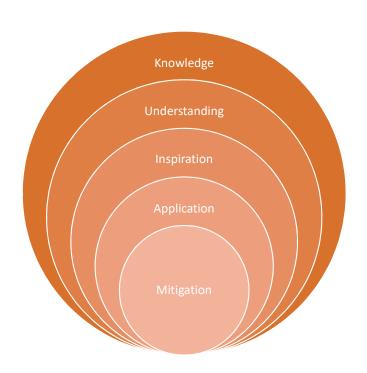
- Understand our adversaries and their TTPs
- Threat-led use case generation

#### 2. Use of a common language

- Collaborate across TI, red & blue teams and partners
- Irrespective of the source format or focus

#### 3. Consistent output and knowledge retention

- Drive efficiency through consistency
- Enforced through a compatible threat intelligence platform





BANK OF ENGLAND | CYBER DEFENCE CENTRE

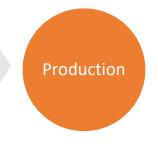
#### DISTILLERY – Distilling raw threat intelligence into use case ideas



Structuring

Analysis

Evaluation



- Assessing the value, relevance and confidence of the intelligence
- Assign a rating

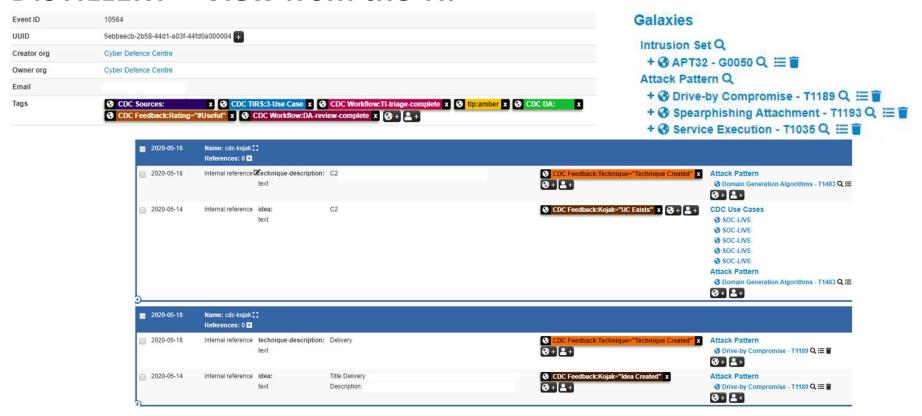
- Structuring the intelligence in the TIP
- Extract viable TTP snippets against ATT&CK
- Creating UC ideas
- Assessing against current understanding

- Gap Analysis
- Determine effectiveness of existing UCs
- Prioritisation for UC generation
- Update threat matrices

- UC development process
- UC fed back into TIP
- IM/IR utilise knowledge in support of triage
- Campaign patterns

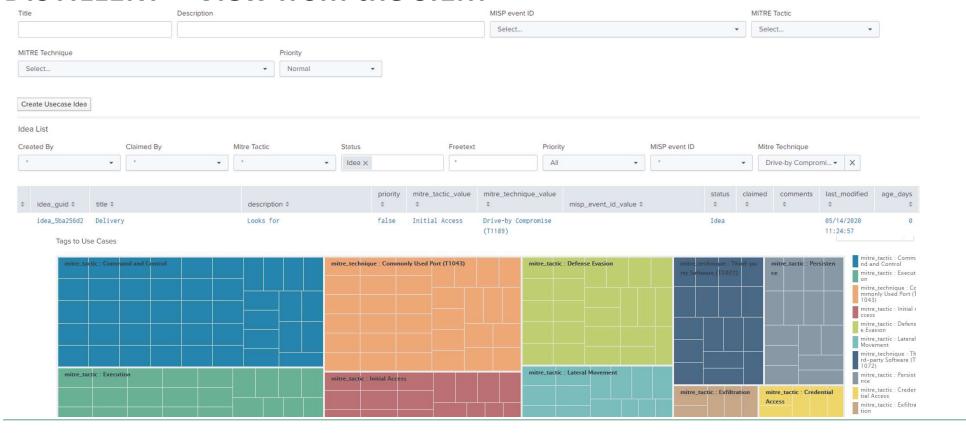


#### **DISTILLERY – View from the TIP**



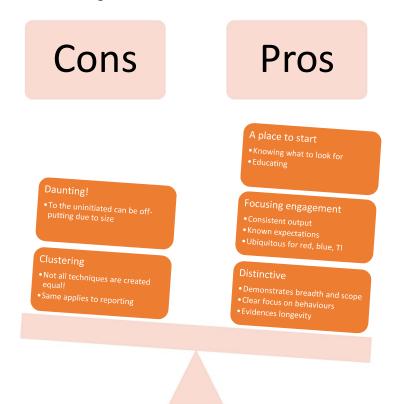


#### **DISTILLERY – View from the SIEM**



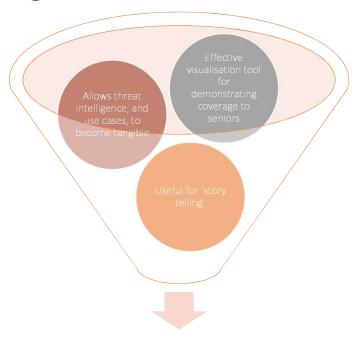


#### **Point 2: Training and clarity**





### **Point 3: Communicating with seniors**



Assurance and understanding

