

## Threat Intelligence Orchestration and Automation

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## Threat Intelligence Solutions

To many organizations, Threat Intelligence is a strategic capability. It provides insights to make better decisions that ultimately protect the business. Threat Intelligence solutions give us the opportunity to be more than a technology provider. It provides the opportunity to be a mission partner, strategic to their success. **Tell one story!** 

- 1. Platform-Delivered Services
- 2. Threat Intel Professional Services
- 3. TIP Partnerships

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## Threat Intelligence Solutions



### Cloud-Delivered Threat Intel

**Problem:** Lack of people and process

### **GTI (Global Threat Intelligence):**

Prevention with reputations

**MVISION Insights:** Seamless integrations with ePO leveraging Mcafee GTI, telemetry and research

**Outcome:** Better protection, seem-less integration, know you if are protected or not, know what campaigns are affecting you



### Threat Intel Pro Services

**Problem:** Immature program, high cost of analysts, closed networks

**Assessment:** Build a CTI Program.

**Intel as a Service:** Threat Assessments, Intelligence analyst as a service

**pGTI:** Threat Intel for closed networks, research, and special requirements, Atlas dashboard

**Outcome:** Efficient processes, reduce cost, adaptable protection



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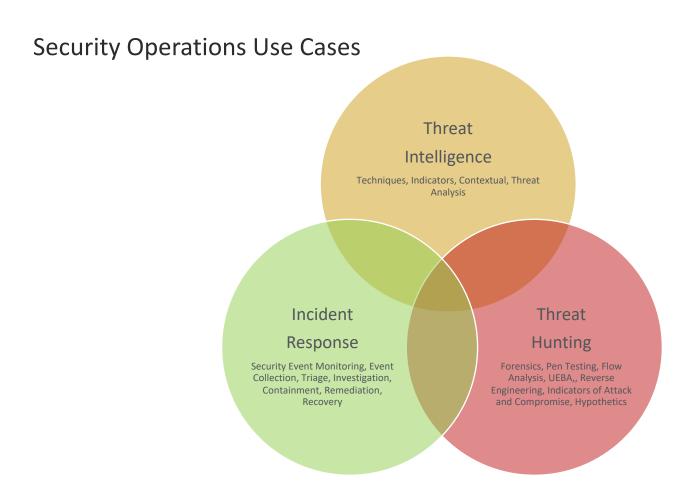


### **TIP Technology Integrations**

**Problem:** Too much threat data, slow IR and Hunting processes

**TIP Integrations:** Integrate TIPs with endpoint, network and SIEM through DXL or Pro Services

Outcome: Reduced MTTR, increase value of threat data feeds, increased value of endpoint and network telemetry, intelligence sharing



- 1. Continuous Defense Adaption
- Threat Hunting & Automation
- **Strategic Decisions**
- Formalized Processes
- Dedicated team

LEVEL 3

### Threat Intel Common Patterns



Planning and Direction,
Definition of Requirements
course of actions



Collect, aggregate and validate threat intelligence feeds from multiple sources



Use Threat Intel to improve detection and investigations in Sec Ops



Use Threat Intel to automatically improve endpoint and network protection

## Threat Intelligence Types



**Industry Reports** Cyber Kill Chains **Industry Conferences Independent Researchers** 

**Security Vendors** Threat Intel Vendors **Industry Reports CERT Community** 

## Threat Intelligence Sources









### Global Intelligence

- Intelligence from Global Providers and Open Source
- Reputation, APT Campaigns, Malware Attribution
- Social Media analysis and enterprise specific intelligence

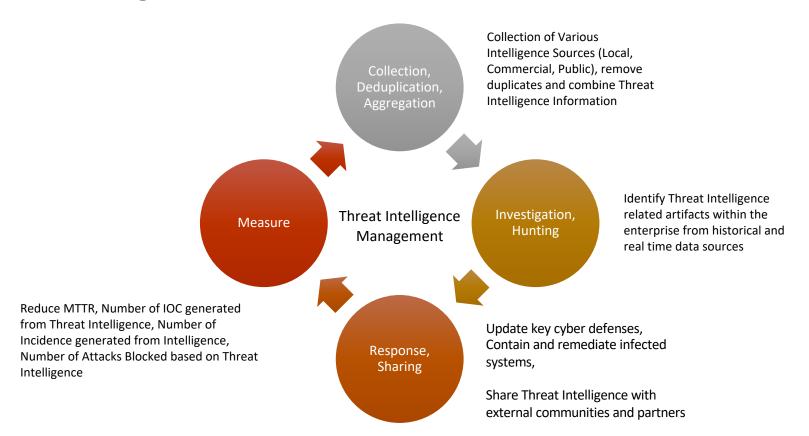
### Community Intelligence

- Intelligence from fellow travelers in industry
- Indicators of Compromise
- IP, URL, Domains, Files are common indicators
- STIX/TAXII, OpenIOC, Web Portals, Emails, PDF

### Local Enterprise Intelligence

- Intelligence derived from malware analytics
- Intelligence derived from data analytics on the enterprise data and users
- Indicators of Compromise and Attack

## Threat Intelligence Process



## Threat Intelligence Platform (TIP)

Threat Intelligence Platform
help organizations to
aggregate, correlate and
analyze threat data from
multiple source to improve
security posture





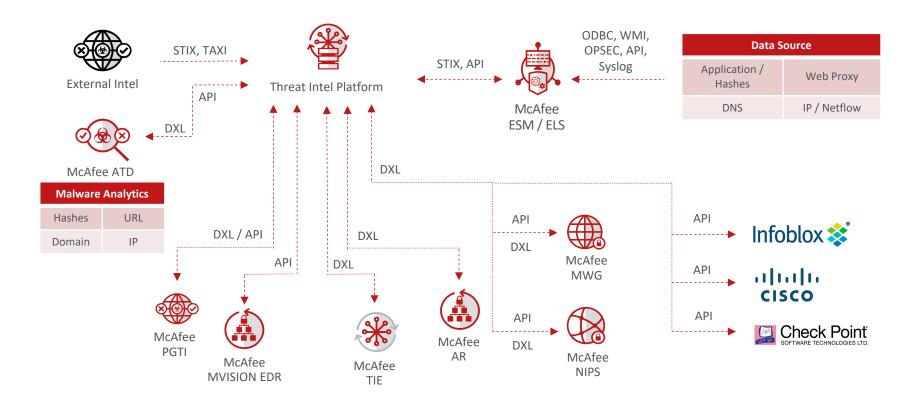






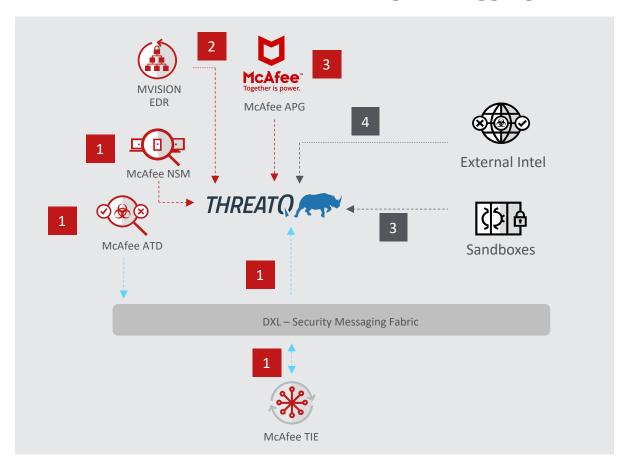


### Architecture for Threat Intel Automation



# Threat Intelligence Solution Designs

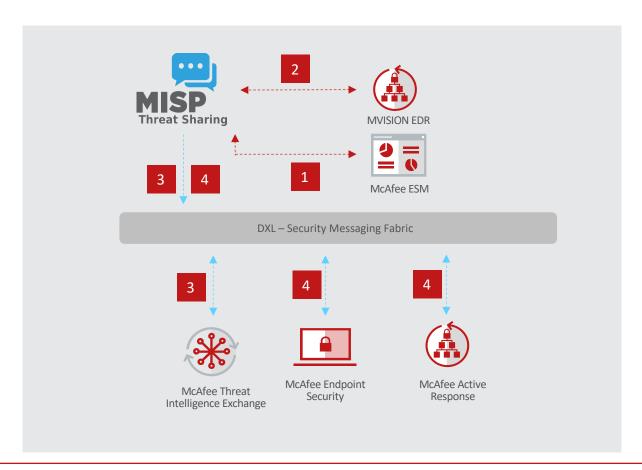
## ThreatQ Use Case 1 - Threat Intelligence Aggregation



### **Scenario Overview**

- ThreatQ receives IOC from McAfee ATD, TIE and NSM
- ThreatQ subscribed to Activity Feeds from MVISION EDR
- ThreatQ receives intelligence from McAfee APG
- ThreatQ receives intelligence from various other sandboxes
- ThreatQ receives intelligence from various external intelligence feeds

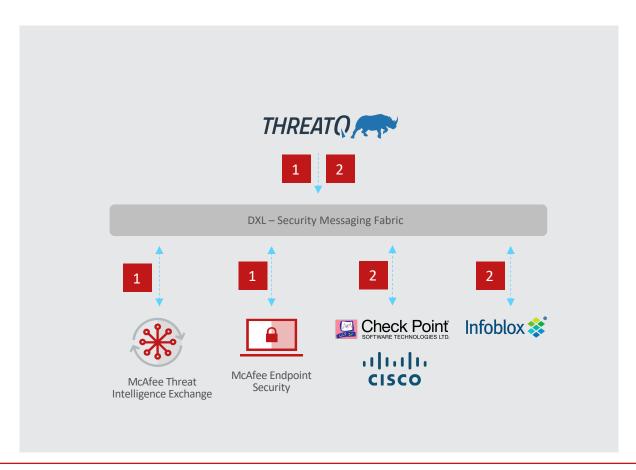
## MISP Use Case 2 - Investigation with Threat Intelligence



### **Scenario Overview**

- 1 MISP exports IOCs via STIX and API for ingest in ESM
- 2 MISP able to launch new Investigation and query in MVISION EDR
- 3 MISP launches lookups against TIE
- 4 MISP launches MAR or EDR lookups as part of an investigation

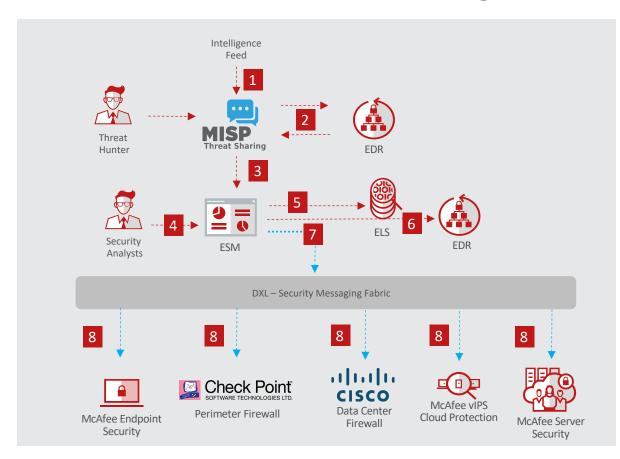
## ThreatQ Use Case 3 - Containment with Threat Intelligence



### **Scenario Overview**

- ThreatQ set Enterprise reputation in TIE
- ThreatQ sends a DXL message incl IP to update various countermeasures

## MISP Use Case 4 - Advanced Threat Hunting



#### Scenario Overview

### Incident Identification

- MISP receives Intelligence Feeds from various paid and open sources
- 2 MISP queries for indicators using EDR, analysts prioritizes the intelligence
- MISP exports intelligence data into ESM via API (Watchlists)

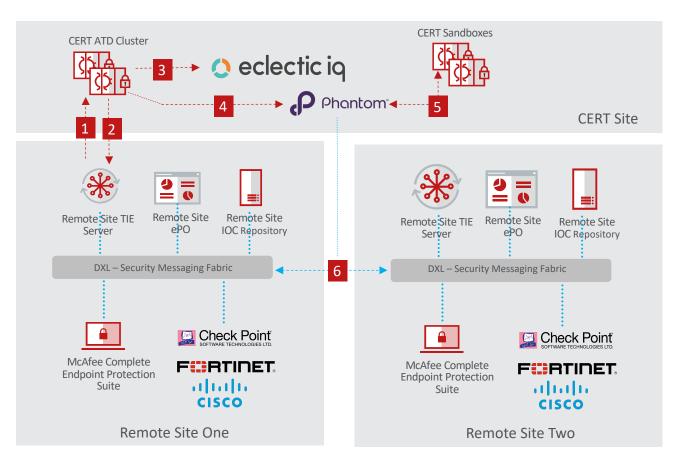
### **Incident Investigation**

- 4 Analysts receives visual alert
- 5 Analyst performs validation with ELS
- 6 Analyst performs scoping with EDR

### **Incident Containment**

- 7 Analyst uses ESM to update Cyber Defense Countermeasures via DXL
- 8 Endpoint and Network countermeasures are updated automatically via Security Messaging

## Use Case 5 - Multi Department or Agency Intelligence Sharing



### **Scenario Description**

- TIE Server sends suspicious file received form an endpoint to ATD via HTTPS using REST API
- 2 File Analysis results automatically sent back to site TIE server via HTTPS and REST API
- 3 IOC Information shared with Threat Intel Platform (EclecticIQ)
- Phantom receives notification of new file and retrieves file from ATD
- Phantom sends file to additional sandboxes and receives results
- Phantom publishes convicted file hashes and other IOC information via DXL to remote site TIE servers and IOC Repository



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