獵捕並停止無檔案式的隱匿攻擊

Symantec Endpoint Security

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https://www.savetime.com.tw

Vikram Thakur
技術總監
賽門鐵克端點安全(SES)

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在 SES Complete 上的新功能：Threat Hunter

引進機器學習和專家分析的組合力量，來幫助識別潛在的違規行為

專業知識 – –追查針對性攻擊活動

經驗豐富的SoC威脅獵人利用豐富的雲端遙測和機器學習分析來搜尋並發現高真實度事件

資料 – –獲得完整的全球情報

透過直觀瀏覽（經由 API）賽門鐵克的全球安全數據，以增強您自己的能力來發現和識別攻擊

洞察 – – 策略性的威脅資訊

精細的報告查出惡意行為者使用的趨勢和策略，使用歷史經驗和全球知識來使預測可能的漏洞利用途徑

第一時間就能警示通報：不管是明目張膽地公開犯罪還是鬼鬼祟祟的匿跡隱形

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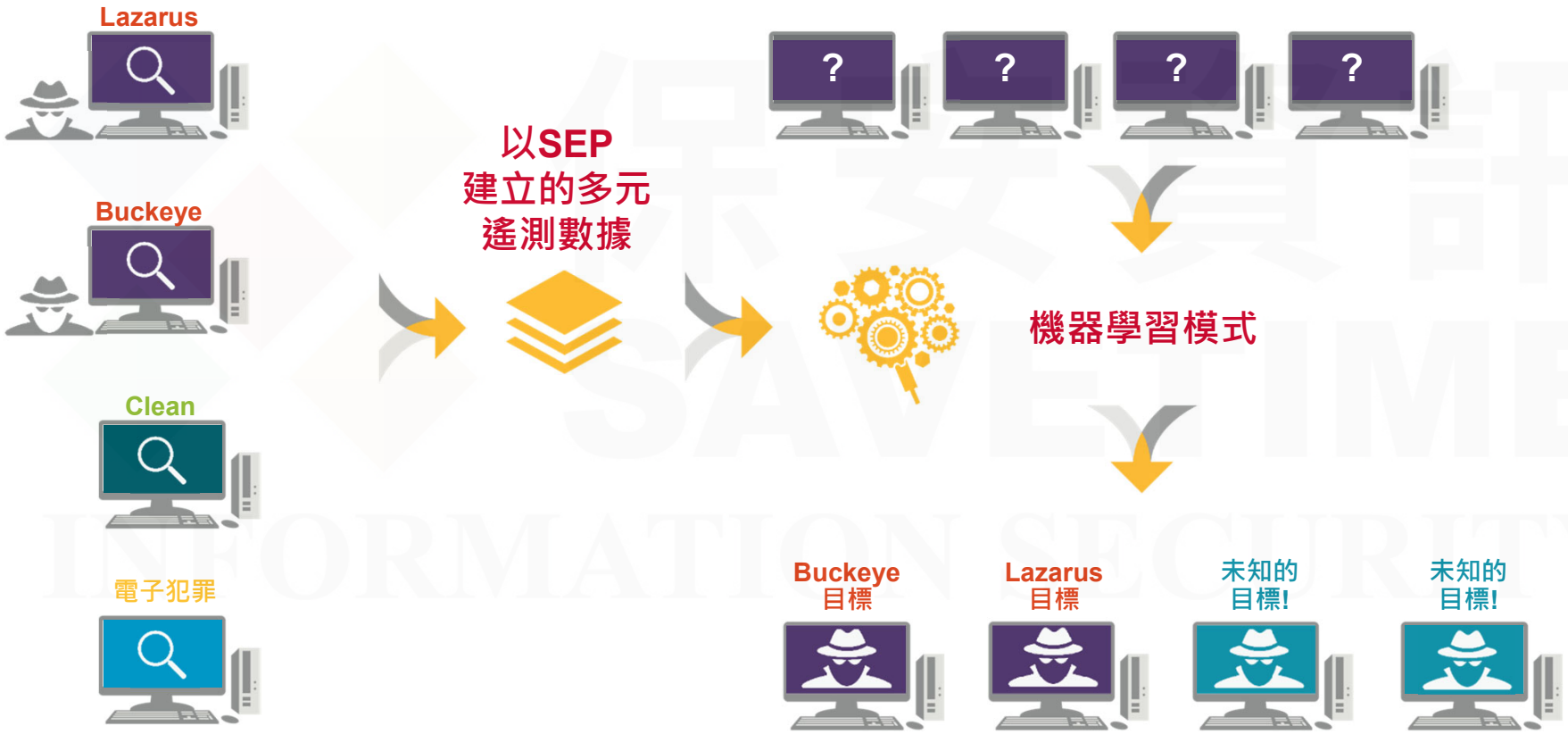
Threat Hunter--威脅獵手

Threat Hunter--威脅獵手 | 雲端分析



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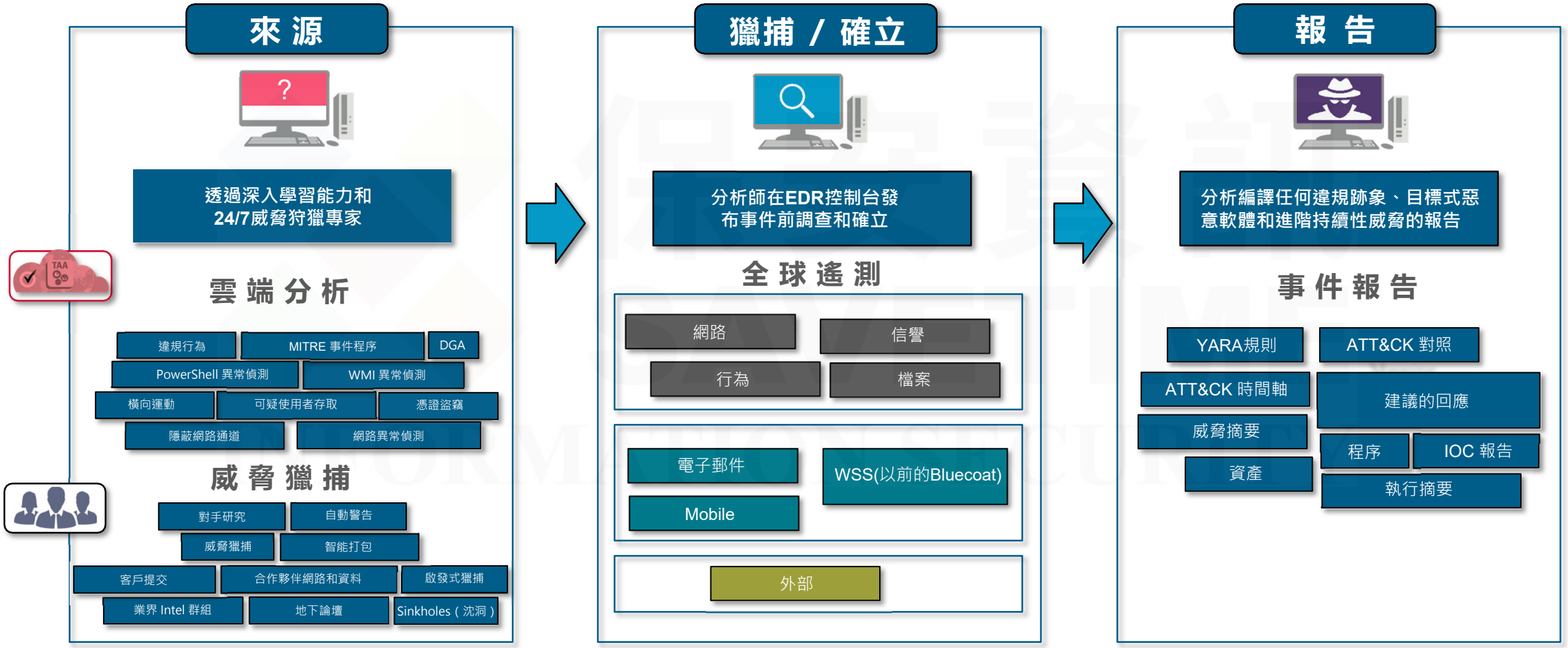
Threat Hunter--威脅獵手 | 機器和人類一起狩獵



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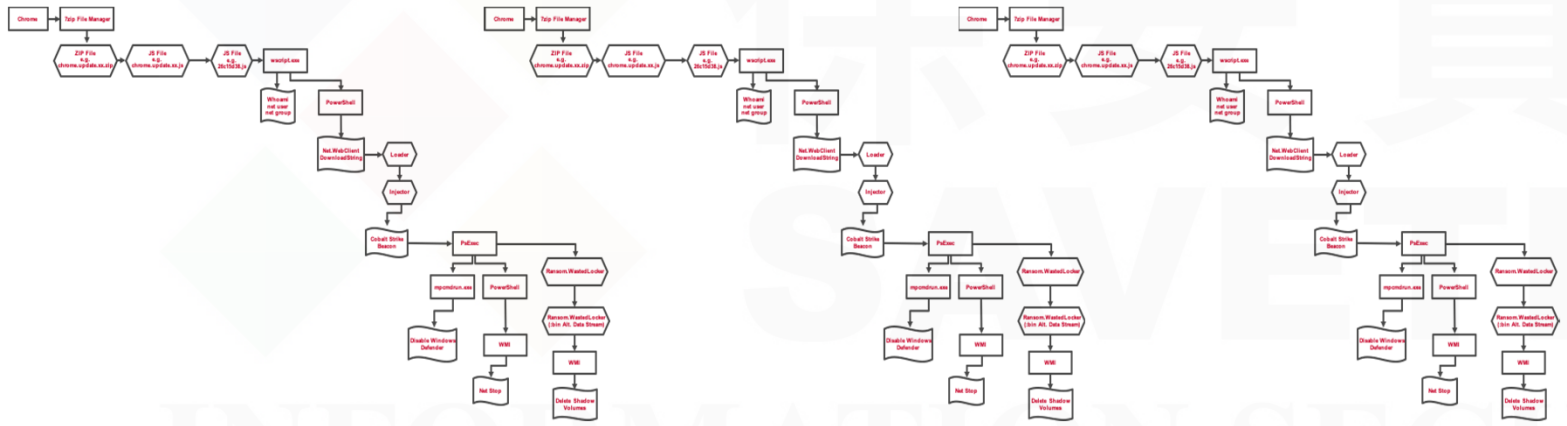
Threat Hunter--威脅獵手 | Symantec的AI+安全專家協助的SOC

您的SOC和EDR有此資料。它們是否可以即時識別且在損壞完成之前停止攻擊者的攻擊？

您的公司 + 公司 A + … 公司 N + AI + Threat Hunters = 發現 WastedLocker



Threat Hunter 可以。
人力專家審查ML調查結果並在產品的主動威脅中通知您的SOC。

每天超過3,000次違規事件
（解決方案不單只是找到惡意程式，而是主動發現違規源頭與脈絡）

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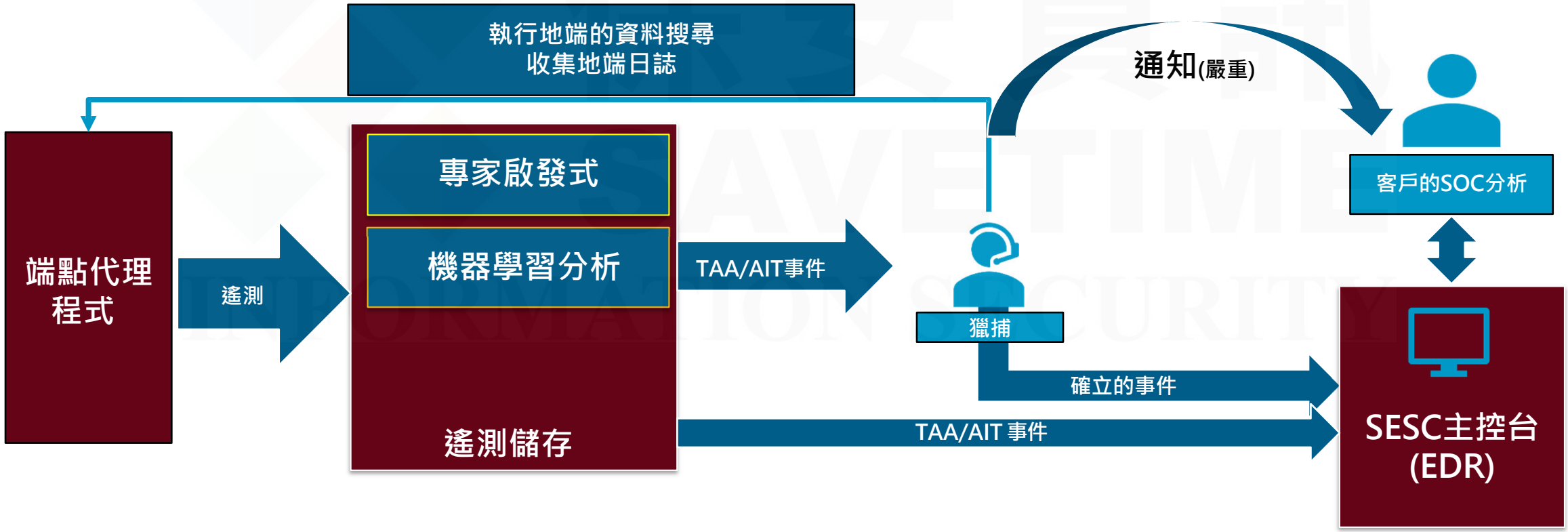
Threat Hunter--威脅獵手 | 高水準的流程

1. 專家啟發式生成新事件，並在SESC中確立現有的目標式攻擊分析
2. 關鍵攻擊挖掘與情報(CADI)分析通知客戶關鍵OOB事件
3. 一個在內部網路中活動的惡意程式被定義為一個**關鍵事件**



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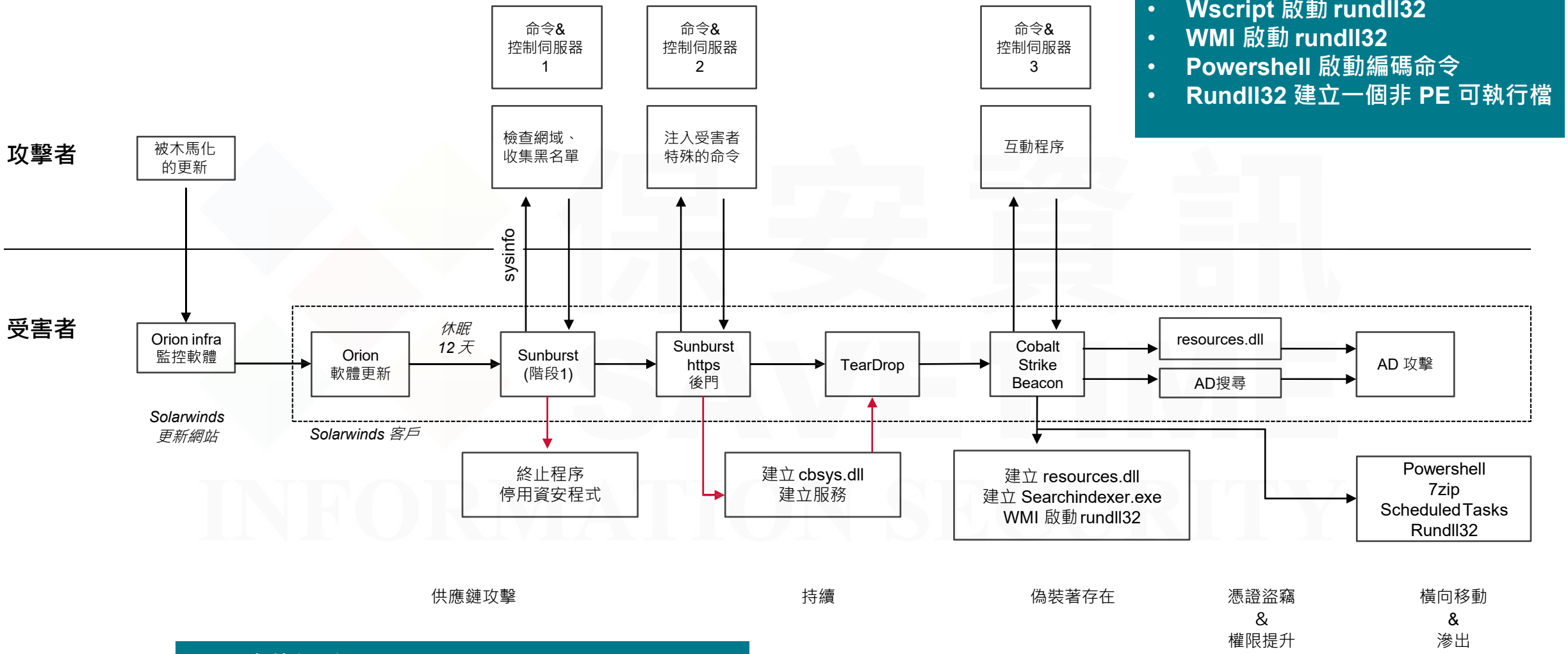
Threat Hunter--威脅獵手範例

Sunburst 攻擊鏈

行為隔離規則：
- **Wscript 啟動 rundll32**
- **WMI 啟動 rundll32**
- **Powershell 啟動編碼命令**
- **Rundll32 建立一個非 PE 可執行檔**



EDR 事件規則：
- **嘗試透過 Wscript 執行 rundll32**
- **嘗試透過 WMIPRVSE 執行 rundll32**

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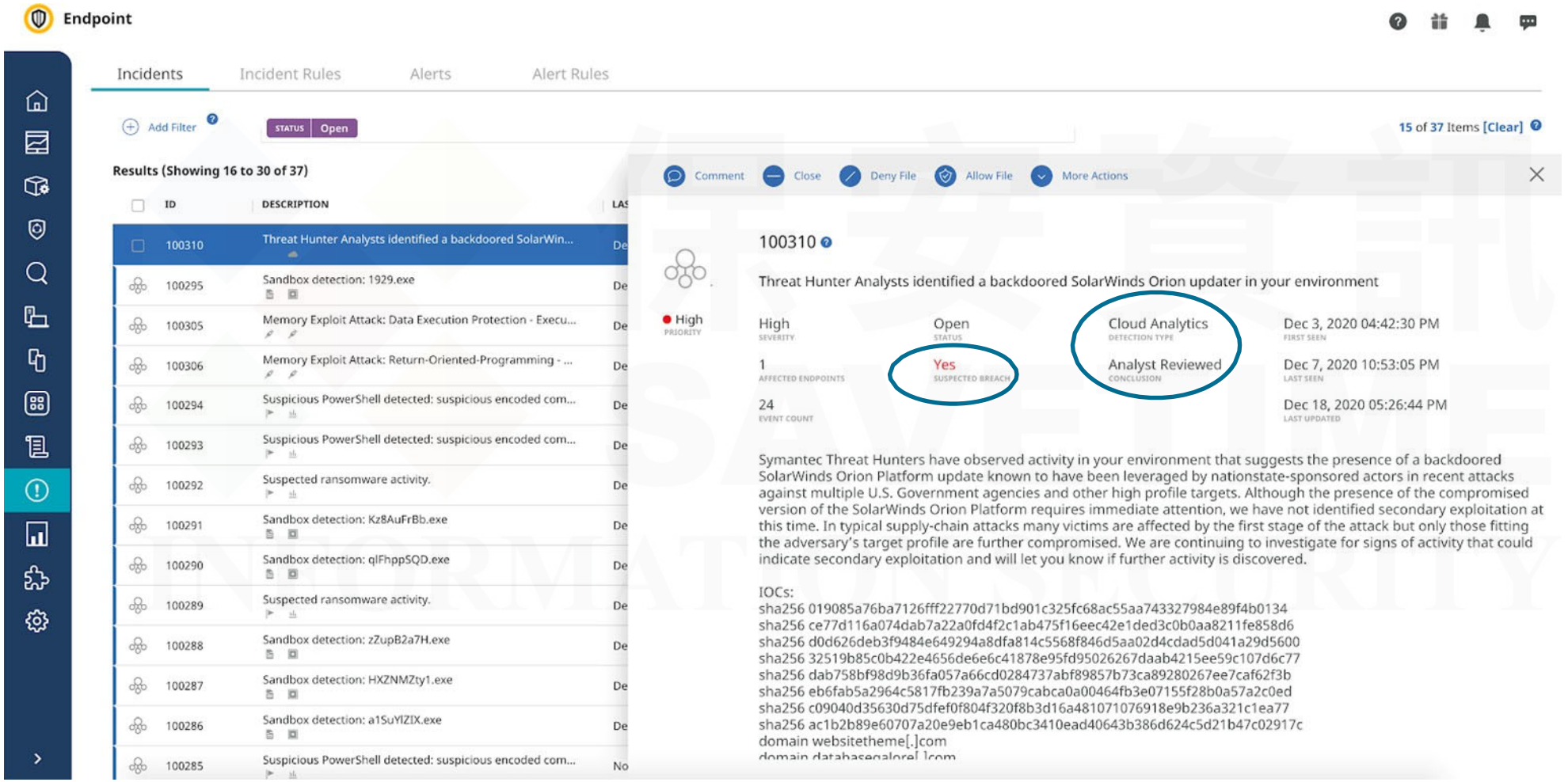
Threat Hunter--威脅獵手 | Symantec的AI+安全專家協助的SOC



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威脅情資 API

偵測 → 獵捕

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威脅情資 API | 獵捕的挑戰

- Age / TTL
- 儀表
- 誤判 (FPs)
- 資源

- 確立 / 前後關聯
  - 曾見過?
  - 何種縱向關係?
  - 什麼地理位置?
  - 相關樣本?
  - SIEM軸點上的訊息?
  - 程序鍊?

威脅情資 API | 優點

透過 API 直接訪問 Symantec 的全球智慧型網路

即時威脅確立

- 在入侵指標(IOC)上透過快速搜尋加速根源脈絡調查
- 透過搜尋**相關的入侵指標(IOC)**來確定攻擊範圍
- 與威脅情資平台**整合**

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威脅情資 API | SHA256 搜尋

- 包括檔案雜湊值、網域或 IP 位址的任何資訊：
  - 信譽
  - 威脅名稱
  - 盛行率（散佈）
  - Age
  - 產業
  - 地理位置
  - 程序處理歷程
  - 相關指標
    - 其他檔案
    - URLs


```
{
    "insight": {
        "targetOrgs": {
            "topCountries": [
                "us",
                "tw",
                "es",
                "de",
                "mx"
            ],
            "topIndustries": [
                "government",
                "information technology",
                "professional services"
            ]
        },
        "firstSeen": "2020-09-11",
        "reputation": "BAD",
        "prevalence": "Thousands",
        "fileSha256":
"af730c7947f9aa7bf0d6e2940b7b41774c69bacaa41cf2e5d65f
e11aca0c732a",
        "lastSeen": "2020-09-11"
    }
}
```


威脅情資 API | 即時搜尋的優點 vs 動態訊息

- API
  - 在本地端觀察到的活動提供全球的背景資料
  - 使用API即時搜尋
  - 提供其他指標去找到額外的證據
  - 不用下載和儲存
- **動態訊息**
  - 需要下載過程並將與觀察到的入侵指標(IOC)動態訊息的資料匹配
  - 價值難以量化
  - 指標沒有顯示與其他指標相關
  - 通常與威脅情資相關


```
"processChain": {
      "fileSha256": "2be981b3686ee5e725583f5936f5f0a0992723cad7844
57f91d9d1d5a15a0852",
      "chain": [
        {
          "parent": {
            "fileSha256": "75bb70a262337ceaaa3d4e91282b1e5a0691cb0
27f1b304cf2fa63a042139c22",
            "processName": "ksdlllauncher.exe",
            "parent": {
              "fileSha256": "77fd3f04b6d3c4c0c6b05363b1cc95edc0c05
39e1eacff2ceae87b9f2783f8f1",
              "processName": "userinit.exe",
              "parent": {
                "fileSha256": "b5170d0e86b93d83c67636fe2c1207139cf
cbc9114bbfd74d127cddcbd8fa114",
                "processName": "winlogon.exe"
              }
            }
          },
          "child": {
            "fileSha256": "0000000000000000000000000000000000000000
0000000000000000000000000",
            "processName": "dummy.exe"
          }
        },
```


威脅情資 API | 實際確立案例 #1

攻擊 SolarWinds 的 Teardrop 後門


```
{
    "file": "b820e8a2057112d0ed73bd7995201dbed79a79e13c79d4bdad81a22f12387e07",
    "reputation": "BAD",
    "prevalence": "LessThanFive",
    "firstSeen": "2020-06-08",
    "lastSeen": "2021-02-09",
    "targetOrgs": {
        "topCountries": [
            "us",
            "pl"
        ]
    }
}
```

```
{
    "file": "b820e8a2057112d0ed73bd7995201dbed79a79e13c79d4bdad81a22f12387e07",
    "state": [
        {
            "technology": "AntiVirus",
            "firstDefsetVersion": "20210129.003",
            "threatName": "backdoor.teardrop"
        }
    ]
}
```


從賽門鐵克威脅情資 API中提取


```
{
    "file": "b820e8a2057112d0ed73bd7995201dbed79a79e13c79d4bdad81a22f12387e07",
    "related": [
        {
            "iocType": "File",
            "iocValues": [
                "6e4050c6a2d2e5e49606d96dd2922da480f2e0c70082cc7e54449a7dc0d20f8d"
            ],
            "relation": "bySignature"
        },
        {
            "iocType": "Network",
            "iocValues": [
                "infinitysoftwares.com",
                "bigtopweb.com"
            ],
            "relation": "byThreatActor"
        },
        {
            "iocType": "File",
            "iocValues": [
                "56de41fa0a94fa7fff68f02712a698ba2f0a71afcecb217f6519bd5751baf3ed",
                "5c1f6855966ce40d5cbbb2696c077bef0d9f0f692951f226e81e75f337d97090",
                "de3f1f1546a6b4d0aab140da1c6bdf0f51ecb003f0025f9f1c27ba2ddb825f43",
                "1817a5bf9c01035bcf8a975c9f1d94b0ce7f6a200339485d8f93859f8f6d730c",
                "3f58aba2b697ba896607ed6dd7d93349cb82fad4f814f77f3b5b7ce9437607b5",
                "eb6fab5a2964c5817fb239a7a5079cabca0a00464fb3e07155f28b0a57a2c0ed",
                "c5a818d9b95e1c548d6af22b5e8663a2410e6d4ed87df7f9daf7df0ef029872e",
                "240ef5b8392b8c7a5a025c36a7e5b0e03e5bb0d0d1a28703bb22e6159a4fd10e",
                "be9dbbec6937dfe0a652c0603d4972ba354e83c06b8397d6555fd1847da36725",
                "955609cf0b4ea38b409d523a0f675d8404fee55c458ad079b4031e02433fdbf3",
                "a3efbc07068606ba1c19a7ef21f4de15d15b41ef680832d7bcba485143668f2d",
                "ffdbdd460420972fd2926a7f460c198523480bc6279dd6cca177230db18748e8",
                "da6005596768540ae5cf407693bd2cf138cb6443dc6e7a0030862b8b71d9e18b",
                "2b3445e42d64c85a5475bdbc88a50ba8c013febb53ea97119a11604b7595e53d",
                "e0b9eda35f01c1540134aba9195e7e6393286dde3e001fce36fb661cc346b91d",
                "f2d38a29f6727f4ade62d88d8a68de0d52a0695930b8c92437a2f9e4de92e418",
                "abe22cf0d78836c3ea072daeaf4c5eeaf9c29b6feb597741651979fc8fbd2417",
                "0f5d7e6dfdd62c83eb096ba193b5ae394001bac03674549567415 6ead6557589",
                "b8a05cc492f70ffa4adcd446b693d5aa2b71dc4fa2bf5022bf60d7b13884f666",
                "92bd1c3d2a11fc4aba2735d9547bd0261560fb20f36a0e7ca2f2d451f1b62690",
                "02c5a4770ee759593ec2d2ca54373b63dea5ff94da2e8b4c733f132c00fc7ea1",
                "290951fcc76b497f13dcb756883be3377cd3a4692e51350c92cac157fc87e515",
                "20e35055113dac104d2bb02d4e7e33413fae0e5a426e0eea0dfd2c1dce692fd9",
                "a58d02465e26bdd3a839fd90e4b317eece431d28cab203bbdde569e11247d9e2",
                "db9e63337dacf0c0f1baa06145fd5f1007002c63124f99180f520ac11d551420",
                "cc082d21b9e880ceb6c96db1c48a0375aaf06a5f444cb0144b70e01dc69048e6"
            ],
            "relation": "byThreatActor"
        }
    ]
}
```


IOCs細節與其他資訊：https://symantec-enterprise-blogs.security.com/blogs/threat-intelligence/sunburst-supply-chain-attack-solarwinds

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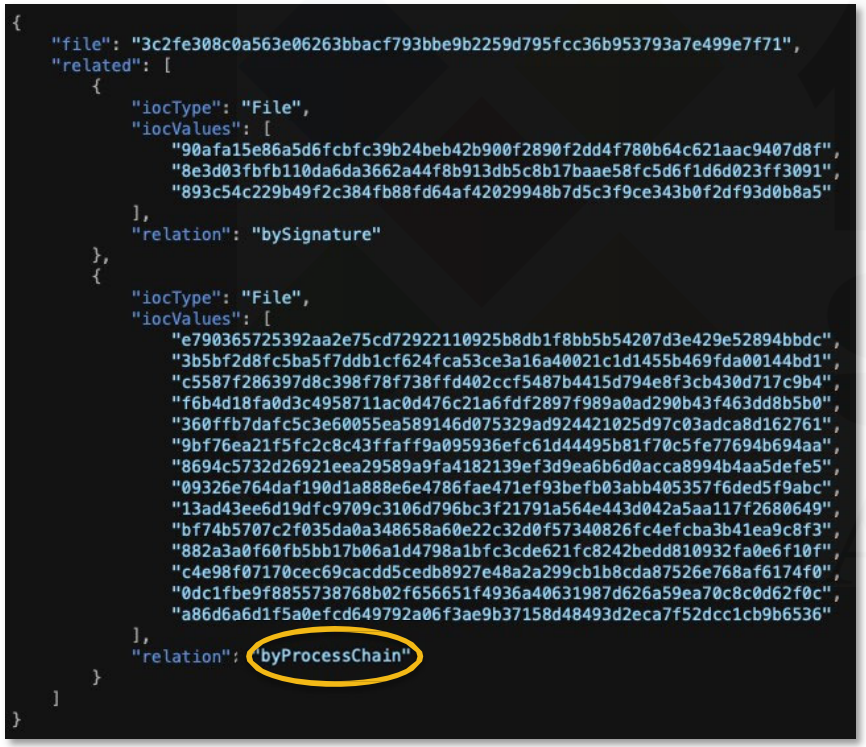
威脅情資 API | 實際確立案例 #2

利用程序處理歷程(譜系)進一步調查



從賽門鐵克威脅情資 API中提取

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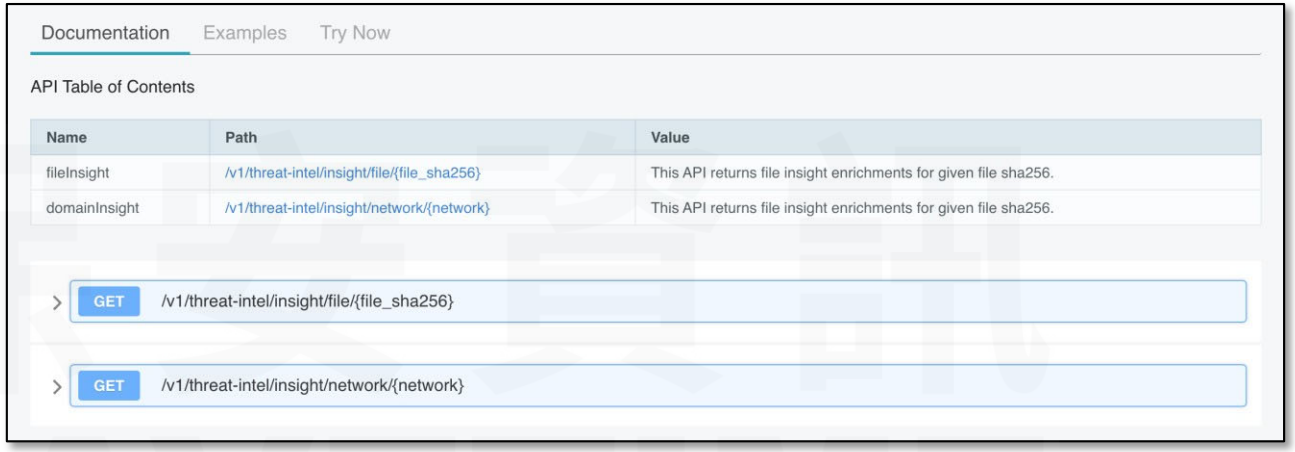
威脅情資 API | 整合選項

- 包含在 **Symantec Endpoint Security Complete**
  - 不單獨銷售
- **透過 API**
  - 支援自定工作流程
  - 已可用
- **威脅情資平台**
  - 與已存在的 SOC 做 Out-of-box 工作流程支援



https://apidocs.securitycloud.symantec.com

THREATQUOTIENT

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策略情資

策略情資 | 概述

- **即時簡短的戰略情資特別是與組織、產業別或地區相關**
  - 摘要
  - 目標產業
  - 目標地理位置
  - 工具/TTPs (手法、技術與過程)
  - 建議
  - IOCs/Yara 規則
  - 參考
- **正規簡短策略威脅、產業或地理位置概要**
  - 透過長期歷史統計攻擊類型群組、威脅資料更新或特定產業、地區的趨勢影響做預測
- **每日威脅資料更新**

White Paper

Symantec
A Division of Broadcom

Sophisticated Groups and Cyber Criminals Set Sights on Lucrative Financial Sector

By Threat Hunter Team

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Introduction

The financial sector (comprised of banks and other financial organizations) has always been a favorite target of cyber criminals, and it's not hard to understand why. The huge amounts of money passing in and out of financial organizations on a daily basis—now in a primarily digital format—make them a prime target for profit-focused cyber criminals.

Symantec, a division of Broadcom has examined the activity targeted at some of our biggest financial customers since the start of 2019 and have found that detections of both malware and ransomware on customer networks are trending upwards.

The monthly detections in both categories have gone up and down since the start of 2020, with ransomware detections dropping sharply in March as the world went into lockdown due to COVID-19. However, the overall trend for detections is still upwards, showing that financial institutions still

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感謝您

賽門鐵克解決方案專家--保安資訊
https://www.savetime.com.tw

相關參考資訊下載(PDF)--保安資訊整理提供

- 賽門鐵克全球情資(GIN)資訊圖表
- 賽門鐵克端點安全解決方案全覽
- 賽門鐵克郵件安全解決方案全覽
- 賽門鐵克網頁/雲端安全解決方案全覽
- 賽門鐵克端點安全在2020 MITER Engenuity ATT&CK®評比中大放異彩

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