

Identity Intelligence + XDR



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資深技術顧問

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AI 進化，引領無限可能

Innovate with AI. Connect with Resilience.

Agenda

1. **Threat Intelligence** 威脅情資
2. **Identity Intelligence** 身分情資
3. **Cisco Identity Intelligence + XDR**
4. 應用案例：使用者身分受駭調查

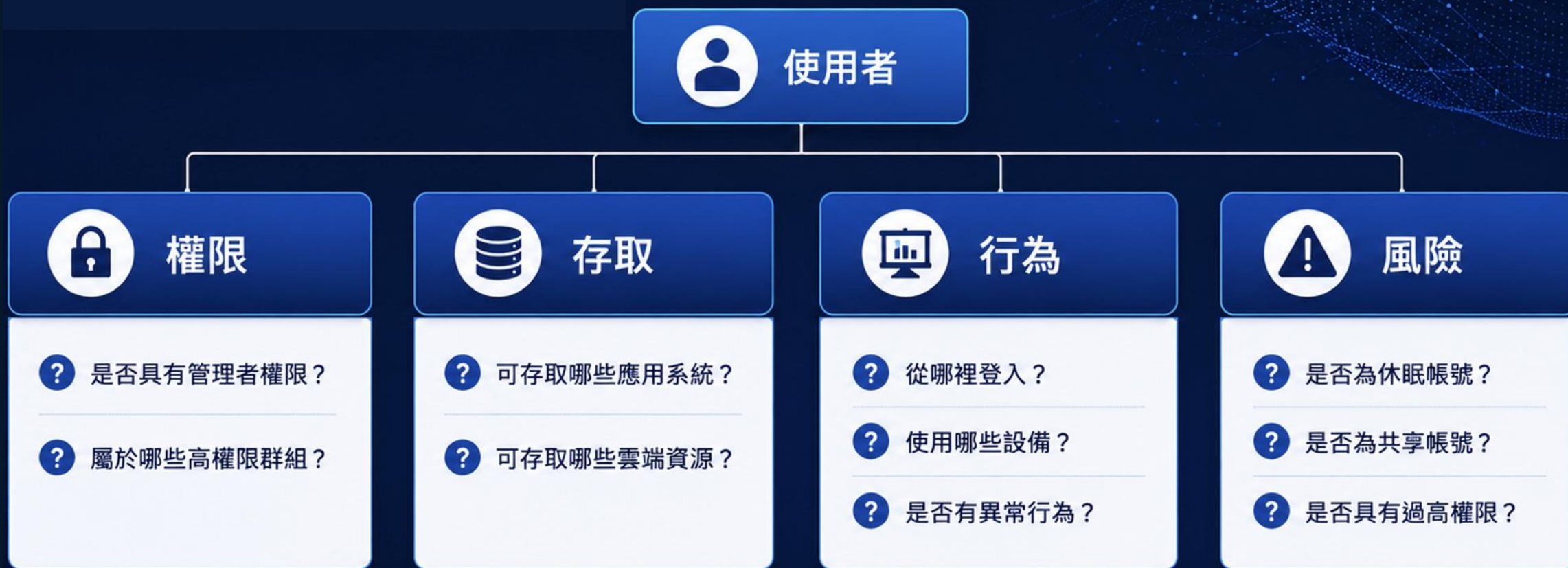
Threat Intelligence 威脅情資

 策略型	 戰術型	 營運型
 AI 威脅與風險	 MITRE ATT&CK	 IoC 入侵指標
 量子運算風險	 TTPs (戰術、技術、程序)	 IP 位址
 進階持續威脅	 攻擊活動	 網域
 惡意威脅趨勢	 惡意程式家族	 檔案軟體雜湊值

Threat Intelligence 告訴我們：有哪些威脅正在發生？

但無法告訴我們：誰是最有可能被攻擊的人？

Identity Intelligence 身分情資



Cisco Identity Intelligence + XDR



Use Case: Compromised User Investigation

利用 Cisco Identity Intelligence + XDR 加速調查與回應



帶來的價值

快速識別真正風險
結合身分與威脅情資，
找出高風險帳號

加速調查效率
減少跨系統查詢時間，
快速掌握全貌

提高準確性
多維度情資關聯，降低
誤報與漏報

強化自動化回應
自動化處置流程，
降低營運負擔

調查時間縮短
80%+

Cisco Identity Intelligence × Cisco XDR = 更完整的情資關聯，更快的調查與更強的安全防護

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Logicalis Managed Security Service

Managed Cisco XDR

Roger Loh 羅志謙

Logicalis 亞太首席資安總監



Commercial in Confidence



Cisco Identity Intelligence – 實際案例

Inactive Guest Users

Critical | 8 failing users (an increase since last week) | **Compliance, Identity Posture Insight**

Detects guest accounts that have not successfully signed in and thus are inactive. These accounts can be overlooked during regular audits, which makes them attractive targets for bad actors that try to exploit less secure entry points. Most compliance frameworks also require inactive accounts to be assessed and removed promptly. A user will fail this check if they have a guest account that has been inactive for more than 30 days. If needed, adjust the number of days inactive threshold in Custom Detection Settings. This could increase the accuracy and actionability of check results.

Recommended Actions

Assess the security posture of inactive guest accounts, including whether conditional access and MFA are enabled. Contact relevant stakeholders, such as the account that invited the guest user, to determine if the accounts is still needed. For accounts that are no longer required, delete them on a regular schedule, as they can be easily re-invited when necessary.

[See report](#)

Users Sharing Authenticators

Critical | 14 failing users (no change since last week) | **Compliance, Identity Posture Insight**

Detects users whose phone number-based authenticators or Okta hardware security keys are registered to multiple accounts, which reduces individual accountability and can allow a single compromised or shared device to be used to access more than one identity. Users should not share authentication credentials and should have their own dedicated authenticator so that a compromised or stolen device cannot be used to gain unauthorized access across multiple accounts within your organization.

Recommended Actions

Review the failing users to determine whether the shared authenticator represents an unintentional security gap or a known legitimate case, such as an admin account sharing with its associated day-to-day account. Link any accounts with a legitimate sharing need in Identity Intelligence so that these accounts will no longer fail the check, as linked account as treated as intentionally associated. For all other cases, remove the shared authenticator from the additional accounts and contact the affected users. If a large number of users are failing this check, review your account onboarding process to ensure new accounts are not being provisioned with a shared or generic phone number or hardware security key.

Entra ID Long Running Sessions

Moderate | 1 failing users (a decrease since last week) | **Compliance, Identity Posture Insight**

Detects users with long-running sessions in Entra ID, defined as more than 90 days. Alert only on sessions that don't have any authentication record in last 30 days. Extremely long sessions without re-authentication pose a security threat and can increase the chance of session hijacking.

Recommended Actions

Clear the end user sessions to require re-authentication. We recommend setting "Maximum Entra ID session lifetime" to 16 hours (one working day) and "Expire session after user has been idle on Entra ID for" to 2 hours.

[See report](#)

Inactive Users

Moderate | 88 failing users (0.98% increase since last week) | **Compliance, Identity Posture Insight**

Detects enabled accounts that have not successfully signed in and thus are inactive. These accounts pose significant security and financial risks. Dormant accounts may consume licenses unnecessarily. They also provide attackers with opportunities to exploit unused access to systems. A user will fail this check if they have been inactive for more than 30 days. If needed, you can adjust the number of days inactive threshold in Custom Detection Settings. This could increase the accuracy and actionability of check results.

Recommended Actions

Start an access review with the user's manager to determine if the account is still required. If the account is no longer needed, deprovision it immediately to cut unnecessary risk and cost. If the account is still needed, monitor it for activity. If it remains inactive, suspend it after a grace period. Adopt the least privileged model to reduce standing entitlements and your organization's attack surface.

[See report](#)

No Strong MFA Configured

Moderate | 13 failing users (no change since last week) | **Compliance, Identity Posture Insight**

Detects accounts where every active multi-factor authentication method is a weak form of verification, such as SMS codes, email one-time passwords, or voice calls, leaving them more vulnerable to interception and SIM-swapping attacks than accounts protected by stronger authentication methods. Accounts where the identity source is managed through a federated provider or Okta accounts where all weak factors are designated as recovery methods only, are excluded from this check. The National Institute of Standards and Technology (NIST) recommends using authenticator apps or cryptographic solutions such as Duo Verified Push or Passwordless, Google Authenticator, Okta Verify, or Microsoft Authenticator, as well as hardware security keys, as strong second factors.

Recommended Actions

Encourage users to replace weak authentication methods with a stronger alternative such as an authenticator app or hardware security key, prioritizing accounts with access to critical systems and administrative privileges. Where a user has a legitimate reason to remain on a weaker method, document the exception and consider providing a physical hardware security key as a more secure fallback option.

Users With Defined Email Forward Rules

Moderate | 15 failing users (no change since last week) | **Compliance, Identity Threat Insight**

Detects users that have email forwarding rules defined. Email forwarding is mostly harmless and comes from the need to deal with life changes and organizational shifts. However, this is also a known bad pattern for people knowing they are about to change jobs and is a cause of data loss. You can add known domains to the ignore list.

Recommended Actions

Please check if the forward rule is legitimate, for example, contractors and managers, or a potential data loss issue.

[See report](#)

Allow/Block Email Logins

Critical | 26 failing users (5.81% increase since last week) | **Compliance, Identity Posture Insight**

Identifies potentially malicious or unauthorized email domains by monitoring email addresses in authentication events or access logs. The detection combines allow/block lists with automated prevalence-based discovery over the last 30 days to flag suspicious domains. Detection methodology:
1. Known list definition (one of the following)
- Block list enforcement: Immediately flags any domain explicitly added to the organization's block list (known malicious or prohibited domains).
- Allow list validation: Alerts when authentication occurs from domains not in the pre-approved allow list (allow list acts as a positive security model).
2. Auto-discovery mechanism: Identifies suspicious domains through prevalence analysis; domains appearing in fewer than five distinct user accounts within the evaluation window trigger alerts.
3. False-positive control: Ignore list allows security teams to suppress alerts for known-good domains.

Recommended Actions

Depending on your security posture, consider deleting users using emails with those domains and exploring why you have them in the system.

Never Logged In

Critical | 268 failing users (1.79% increase since last week) | **Compliance, Identity Posture Insight**

Detects accounts that were created but never successfully used to log in. Attackers may exploit these unused accounts to register their own MFA factors, potentially bypassing authentication controls and gaining unauthorized access. A user will fail this check if they have not logged in 7 days after an account was created. If needed, adjust the new account grace period in Custom Detection Settings to align with your organization's procedures. This could increase the accuracy and actionability of check.

Recommended Actions

Trigger an access review with the user's manager to verify if the account is still necessary. If the account is unnecessary, suspend it immediately. If the account is needed, reset it and direct the manager to onboard the user properly.

[See report](#)

Non-Human Identity with Interactive Browser Access

Moderate | 19 failing users (0.75% decrease since last week) | **Compliance, Identity Threat Insight, Non-Human Identities**

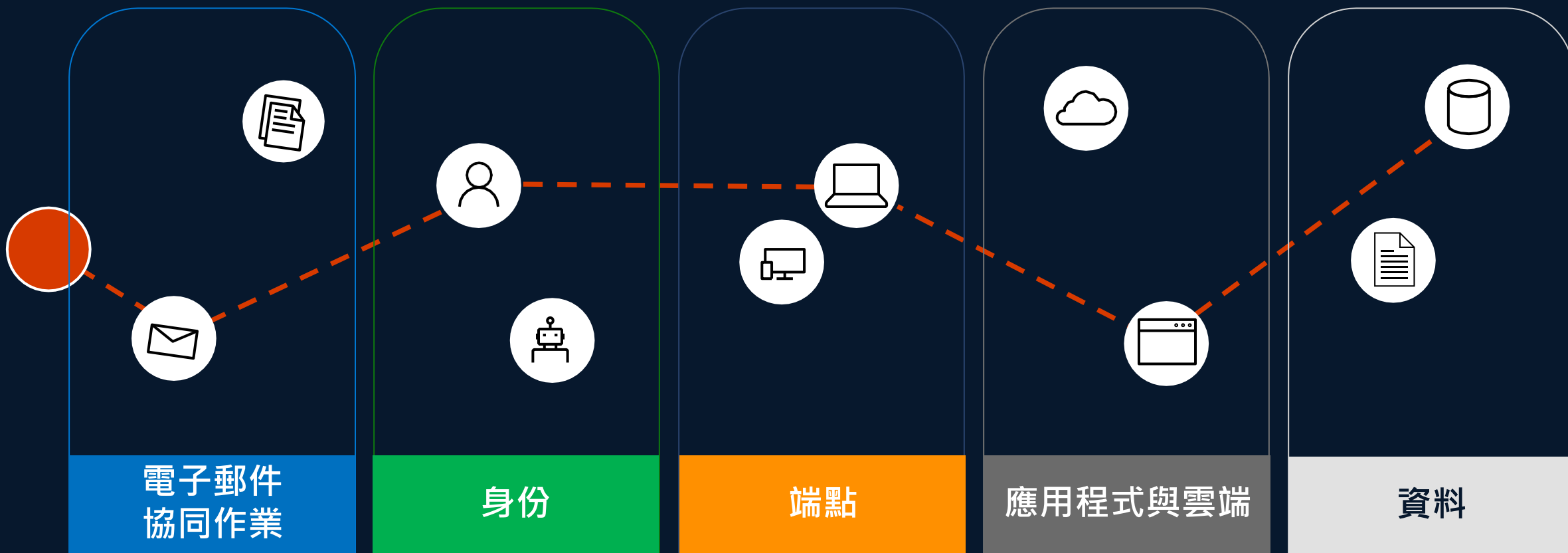
Detects non-human identities (NHIs) accessing resources using interactive browsers. Interactive browser access by NHIs is rare and a risk factor for non-interactive accounts. This anomalous behavior should be investigated.

Recommended Actions

Please review the associated activity of the NHI(s) failing this check. Evaluate the account's behavior for signs of other security anomalies, such as interactive logins, new locations, or login failures.

[See report](#)

攻擊者是以 圖形化 思考



.....各類的工具之間，無聲息地穿透網路縫隙進行橫向移動

當前的進階威脅跨多個網域使用複雜的攻擊手法



XDR 是應對現代 AI 驅動攻擊的解答



EDR



XDR

VS.

僅限端點安全

橫跨身分、電子郵件、端點、網路、
防火牆、雲端等多個領域的全方位安全
與訊息關聯。

孤立的端點警報

以事件為中心的調查與回應體驗

僅能協助抵禦特定端點的攻擊，缺乏
大局觀，無法有效應對進階威脅

有效防禦進階攻擊，例如勒索軟體、商業
電子郵件詐騙 (BEC) 等

Cisco XDR

專為 **SOC** 打造的雲端原生自動化偵測與回應解決方案



端點與網路偵測 是不可或缺的核心根本



開放且具擴充性



易於使用、以設計為中心的操作者體驗



Network



Endpoint



Email



Cloud



Applications



Identity

跨域威脅遙測

攻擊可能來自任何地方，
因此所有管道都必須成為
威脅資料的來源



MITRE | ATT&CK
Attack
Framework

可執行性的 情資

強大的關聯分析與頂尖的
資料科學，用以探索威脅
並排定優先順序



簡化地安全 作業

增強人力運作以實現機器規模的
安全防禦



Guided
Investigations



Proactive
Threat Hunting



Prescriptive
Response

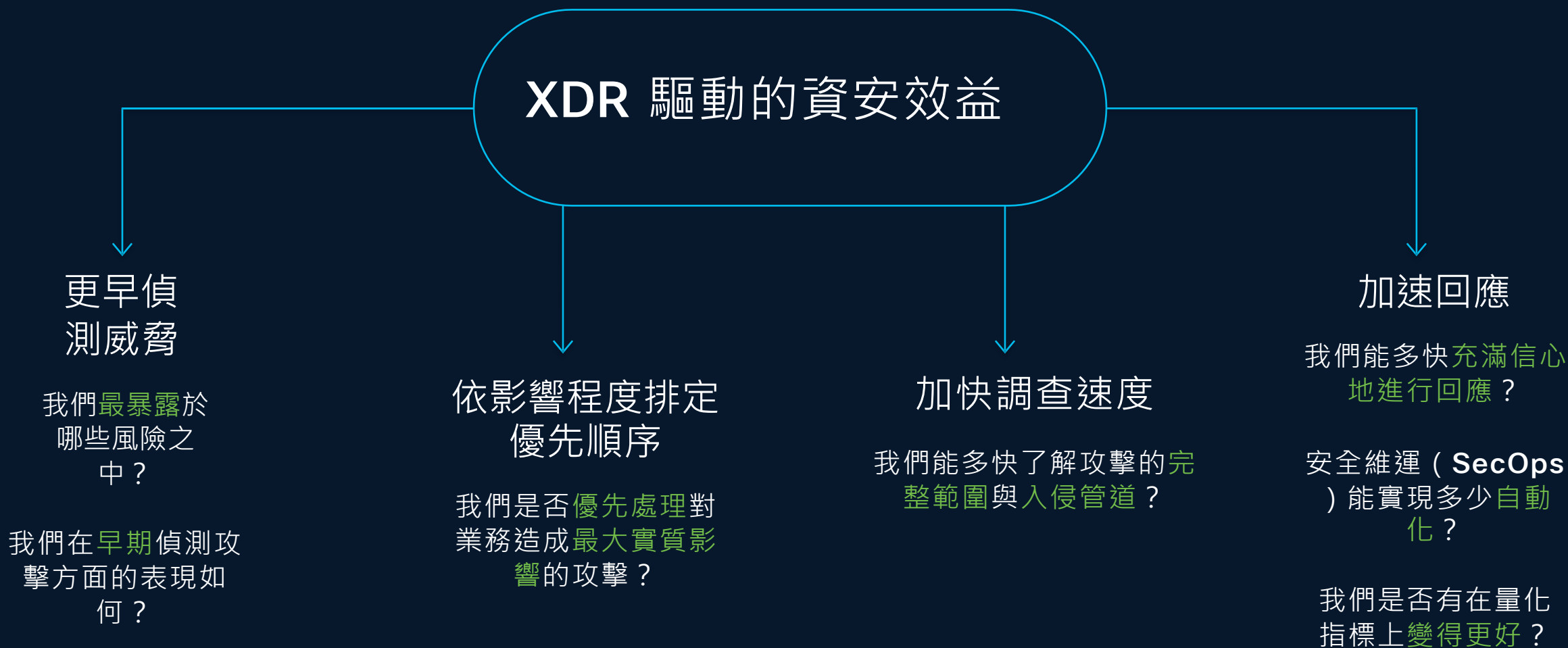
建構於 **Cisco Security Cloud** 平台



Sensitive/Internal



將焦點轉向成效



Logicalis **MXDR** 服務方法協助客戶逐步達成 **XDR** 里程碑

整合

透過整合式平台鞏固解決方案與技術



協同指揮

利用 **AI** 與機器學習 (**ML**) 實現排定優先順序的偵測與回應



最佳化

透過主動對照基準進行執行，藉此演進並微調安全防禦



一致化

建立一個生態系統，用以彙整並豐富來自環境中所有部分的資料與遙測



自動化

將需要最少人工干預的偵測與回應工作流程自動化



下一步

您與 Logicalis 的前行之路

Logicalis 將 Cisco XDR 與 Splunk 完美結合，並搭配經市場驗證的託管式 SOC，專為無法承受防護範圍漏洞或資安專業落差的組織量身打造



技術 (Technology)

Cisco XDR + Splunk

- ✓ **MDR (Managed Detection & Response)** 建構於 Cisco XDR 之上，防護範圍橫跨端點、網路、電子郵件、身分與雲端環境
- ✓ **Splunk 深度整合** 針對以合規為導向的資料環境，將 MDR 的可視性進一步延伸至混合雲與多雲架構
- ✓ 實現即時偵測、事件初審與分流、自動化回應，而非耗時的人工手動分析



專業知識 (Expertise)

24/7 全天候託管式 SOC

- ✓ **Cisco 認證專家團隊** 由具備 Cisco 認證的專家負責微調與維運，持續優化您的整體資安狀態
- ✓ **非傳統黑箱作業的 MSSP 模式** 每一次的警報發佈、回應動作與儀表板數據，皆完整保留在您的生態系統中
- ✓ **您保有完整的擁有權：**您的環境、您的資料、您的工具 Logicalis 的任務是讓它們更智慧地協同運作



成果效益 (Outcomes)

更快的偵測速度。更低的風險。全方位的可視性

- ✓ **提供更快速的偵測與回應** —在攻擊者觸及關鍵資料之前，即時識別出基於圖形模式的攻擊鏈
- ✓ **法規標準對齊** —包含合規性資料留存、治理報告，以及隨時應對稽核要求的數位鑑識服務
- ✓ 無論組織規模大小，皆能享有卓越的企業級 MDR 服務效益



完全透明
Full Transparency



24/7 全天候、全球覆蓋
Coverage



完整的資料擁有權
Full Data Ownership



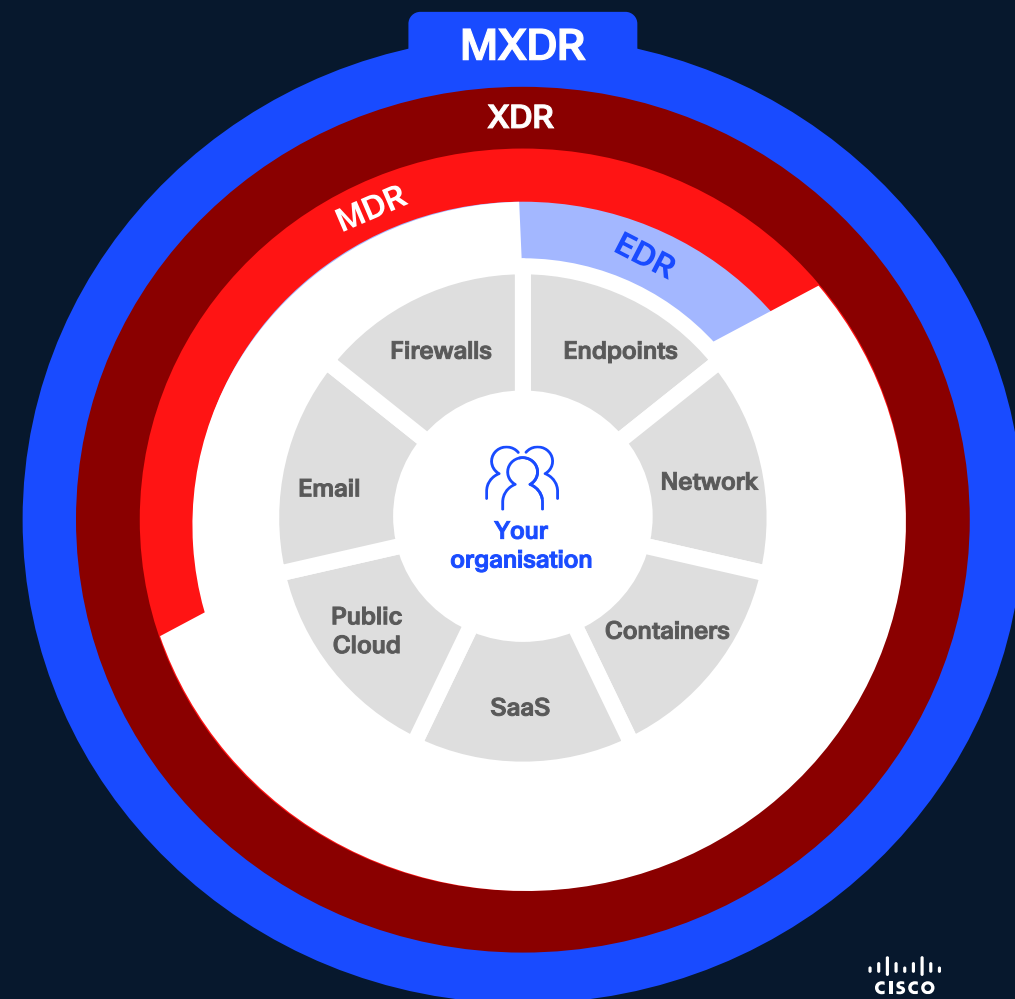
具備合規就緒能力
Compliance-Ready



Logicalis Cisco MXDR 服務方案

我們的 **AI 驅動 MXDR** 功能透過對網路攻擊鏈的進階可視性、**AI 驅動的自動化**以及廣泛的威脅情資，全面增強安全維運 (SecOps)

交付項目與功能 Deliverable and Capabilities	包含
24x7x365 全天候託管、監控與回應 (Management, Monitoring, and Response)	✓
設定配置與上線引導 (Configuration and Onboarding)	✓
主動式健康檢查 (Proactive Health Checks)	✓
持續改善與微調 (Continuous Improvement and Tuning)	✓
圍堵與補救支援 (Containment and Remediation Support)	✓
XDR 整合 - 開箱即用連接器 (XDR Integration -OOTB connectors)	✓
自動化 - 開箱即用工作流程 (Automation (OOTB workflows))	✓
每月報告 (Monthly Report)	✓



https://ebooks.cisco.com/story/mxdr-managed-extended-detection-and-response_logicalis/page/1

Logicalis MSS 結合以下四大強大組件，提供全面的安全維運服務

託管式 EDR/NDR/XDR 平台

- ▶ 進階端點保護與回應
- ▶ 網路安全監控
- ▶ 雲端工作負載保護
- ▶ 電子郵件與身分安全
- ▶ 自動化回應協調策劃

基礎託管安全維運中心 (Base MSOC) 服務

- ▶ 24x7 威脅偵測、監控與回應
- ▶ 基於 SIEM 的威脅偵測
- ▶ 漏洞管理
- ▶ 符合 NIST 800-61 R2 標準的流程
- ▶ ITSM (IT 服務管理) 整合

網路威脅情資 (CTI) 平台

- ▶ 品牌與網域冒用監控
- ▶ SEO 毒化偵測
- ▶ 外洩憑證監控
- ▶ 關鍵帳號保護
- ▶ 供應鏈風險監控
- ▶ 自動化下架服務

持續安全驗證

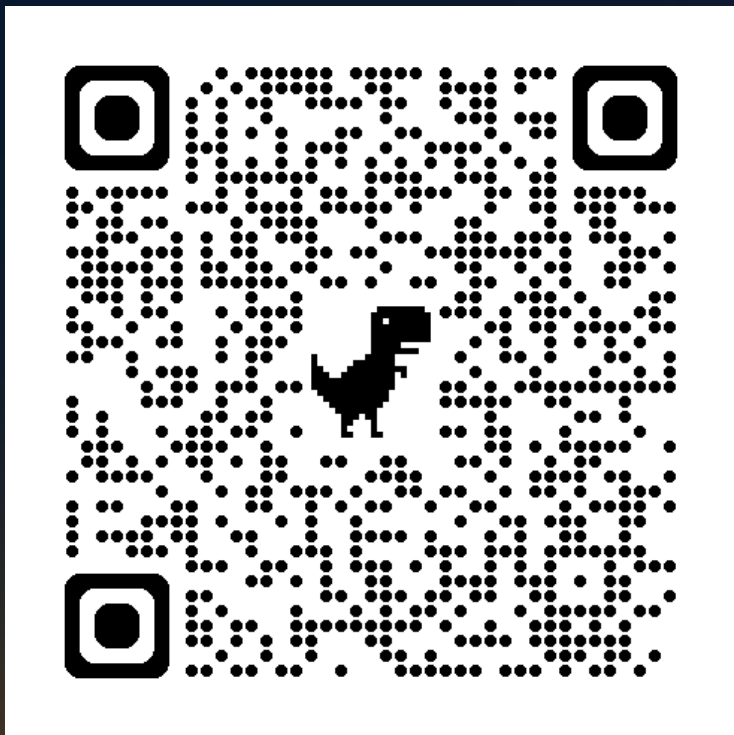
- ▶ 紫隊演練 (Purple teaming exercise)
- ▶ 攻擊模擬與偵測測試
- ▶ 控制有效性評估 (Control effectiveness assessment)
- ▶ SOC 流程改善
- ▶ 詳細洞察與建議

Logicalis MXDR

XDR

MDR

資安防護 (MXDR) 效能診斷



精準定位防禦缺口，強化企業聯防韌性

- * AI 時代資安成熟度快速健檢
- * 評估企業聯防能力
- * 找出營運風險與改善方向
- * 專家報告協助規劃後續策略

<<<< 掃描 QR Code 免費體驗

CISCO Connect

Thank you

