

安控不可不知的資訊安全

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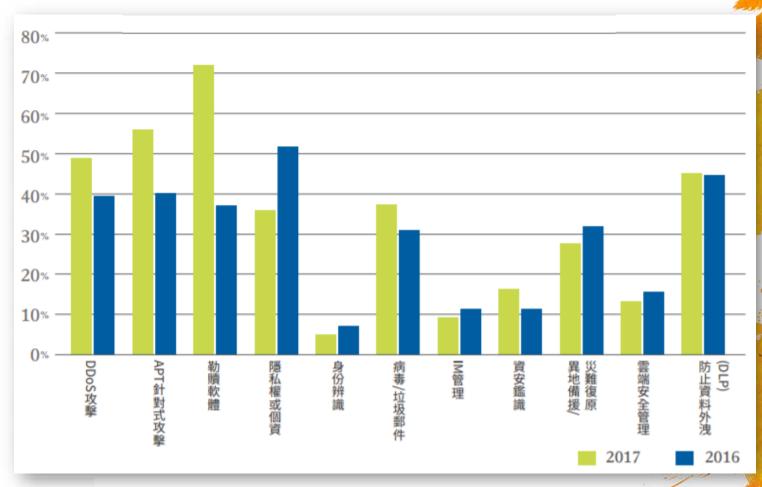


世界上有兩種類型的公司

There are two types of companies: those who have been hacked, and those who don't yet know they have been hacked.

John Chambers

2017 資安事件議題



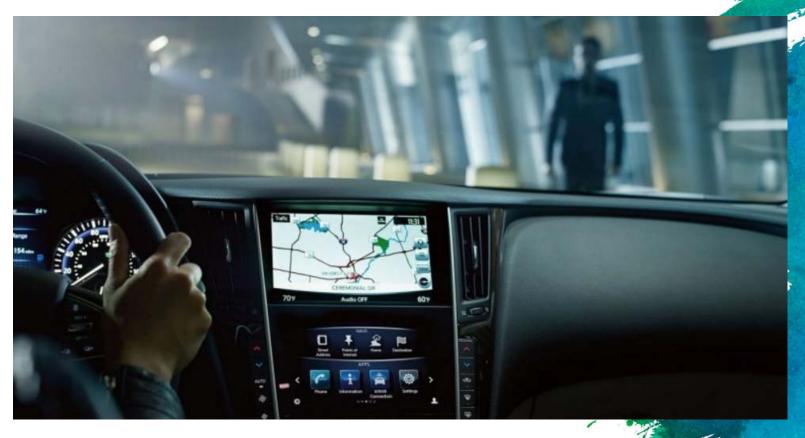
圖表參考資料: IThome

How Many Devices Will Connect to Your Network by 2030?



DDoS 攻擊上升 6%: IoT 物聯網是主要攻擊原因!

汽車的CAN協定遭爆安全漏洞,可讓駭客關閉安全氣囊或感應器



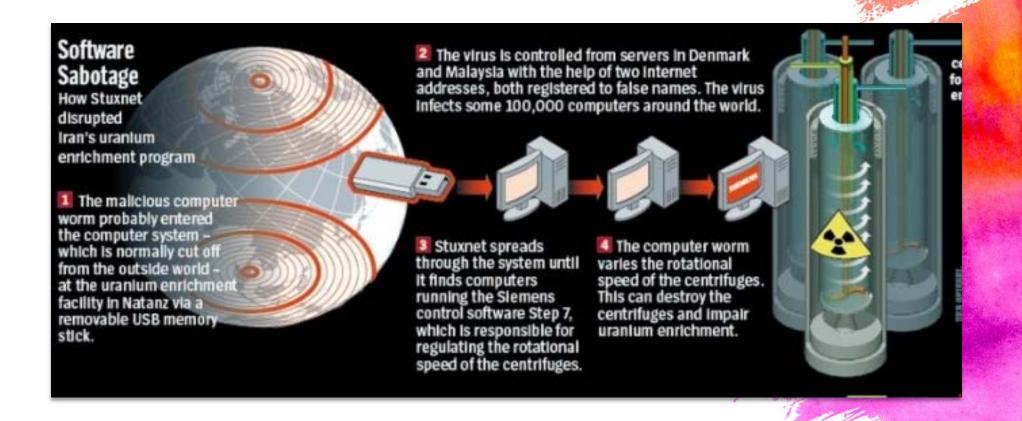
圖文參考資料: IThome

中國網路攝影機爆10多項安全漏洞,恐累及十多項品牌

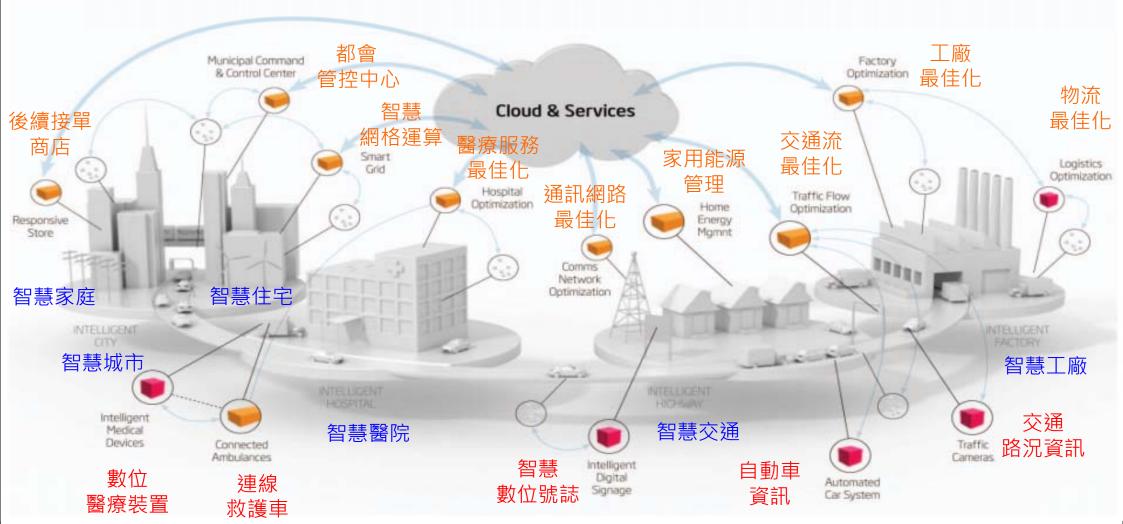


文章參考資料: IThome

Zero Days – Stuxnet 震網病毒



物聯網生態環境(Internet of Things Eco-System)



圖片來源:http://www.satiztpm.it/internet-things/

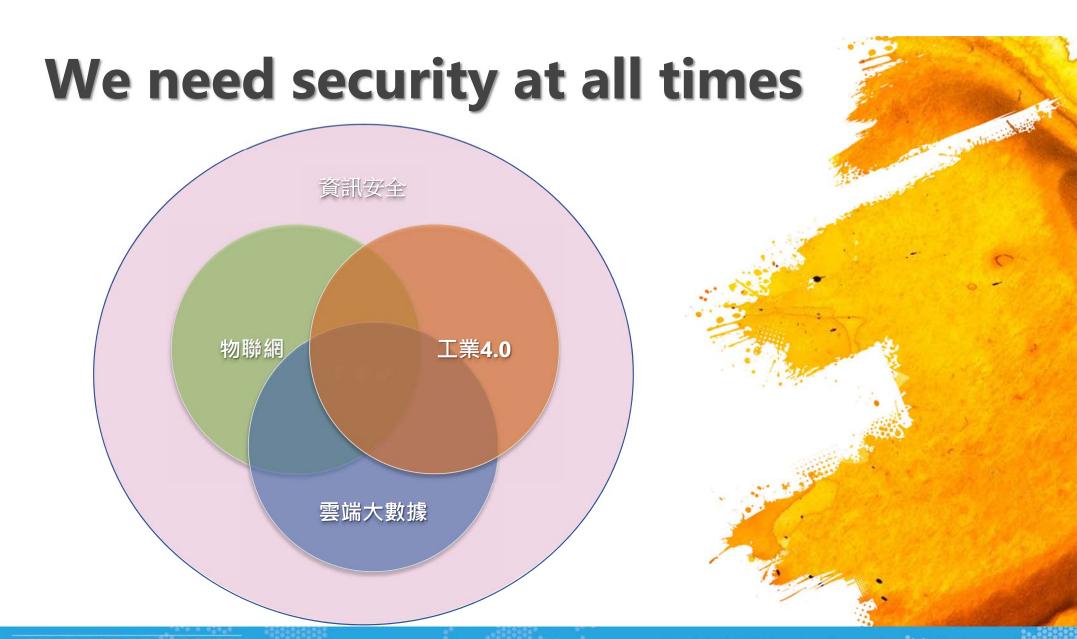
It's harder than ever to see who is on your network and what they are doing



90%

of surveyed organizations are not "fully aware" of the devices 75% accessing their network

of companies say their mobile devices were targeted by malware in the last 12 months



新的應用帶來新的威脅

Changing
Business Models



Dynamic
Threat Landscape



Complexity and Fragmentation



行動裝置



Organizations *lack visibility* into the behavior of devices on their network

企業購併



Acquisitions, joint ventures, and partnerships are *increasing in frequency*

雲端應用



Cloud usage is becoming more prevalent, but so is the *lack of visibility into the cloud*

物聯網



Over **50 billion** connected "smart objects" are projected by 2020

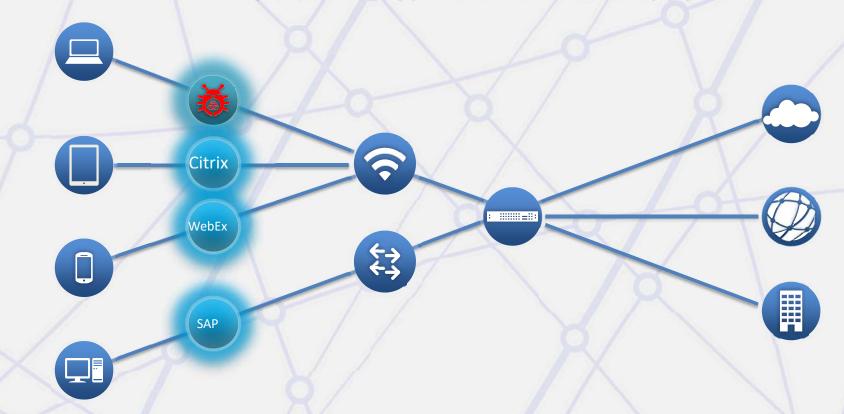
打擊面不斷變大…,



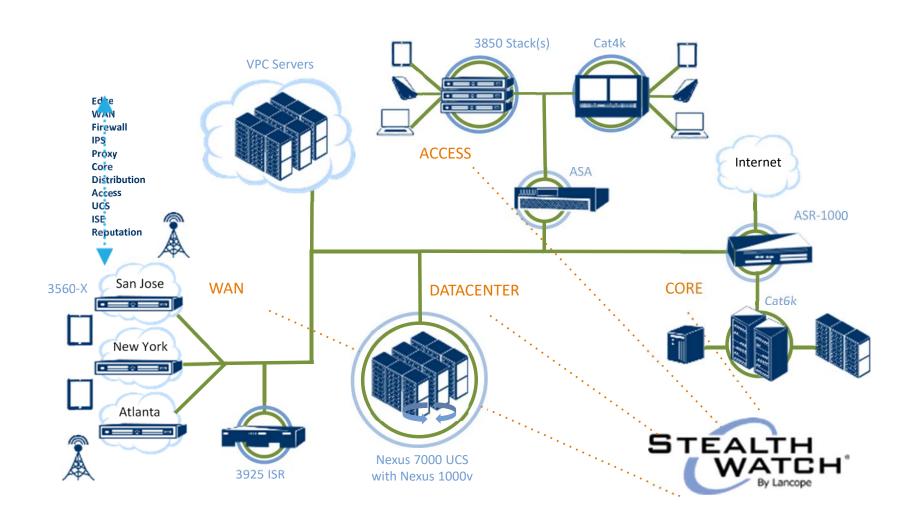
問題不在是否被入侵,而是何時

網路行為可視化分析

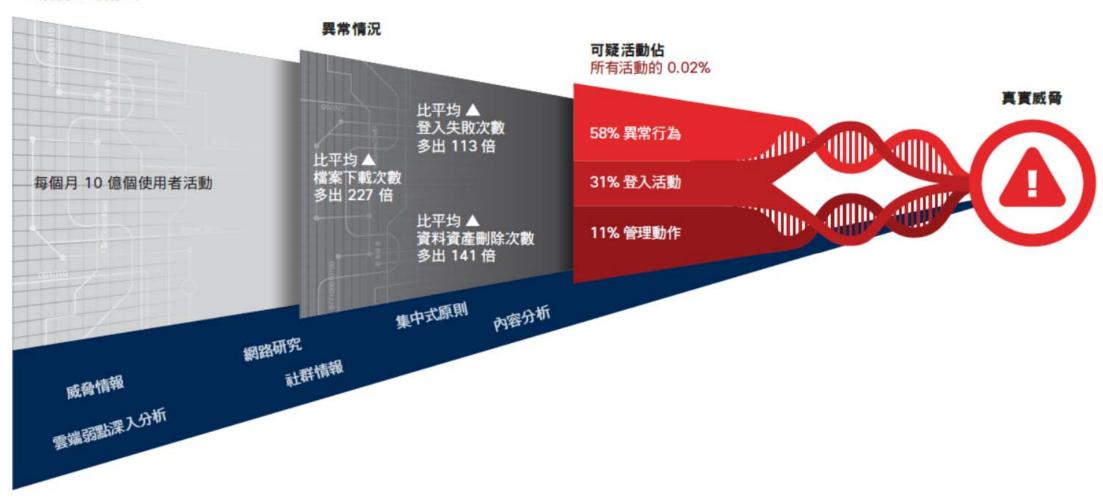
立即找出潛藏在網路內的駭客行為



Internal Visibility from Edge to Access, Network Is Your Sensor



所有使用者行為



資料來源: 思科 CloudLock

Cisco Advanced Malware Protection



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Cisco Identity Services Engine



身份管理 + 威脅可視化: Cisco ISE可解決IoT安全危機







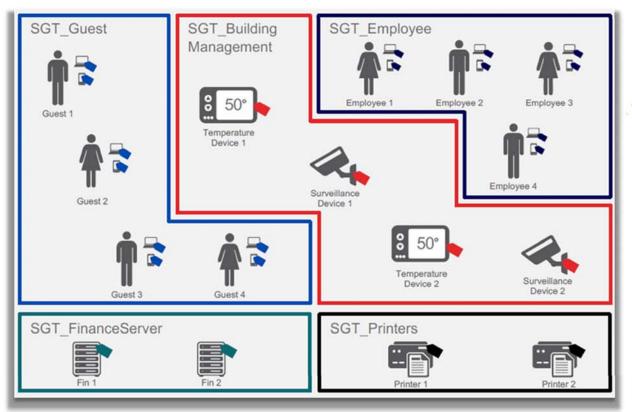
可搭配威脅偵測軟體找出裝置的漏洞及威脅



以身份認證為基礎進行防禦

進一步擴展了以軟體為定義的業務政策,支援精細地劃分終端、使用者和地域的存取

藉由內部網路區域的隔離,防止惡意軟體的橫向攻擊及感染





Cisco ISE and AnyConnect

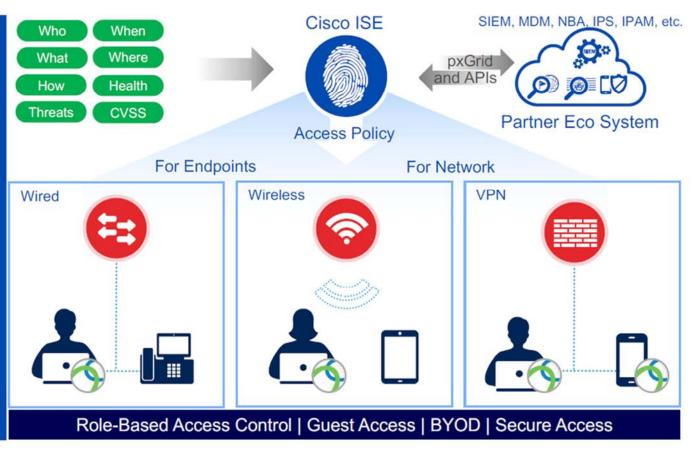
與第三方軟體分享資訊阻絕威脅

Cisco ISE

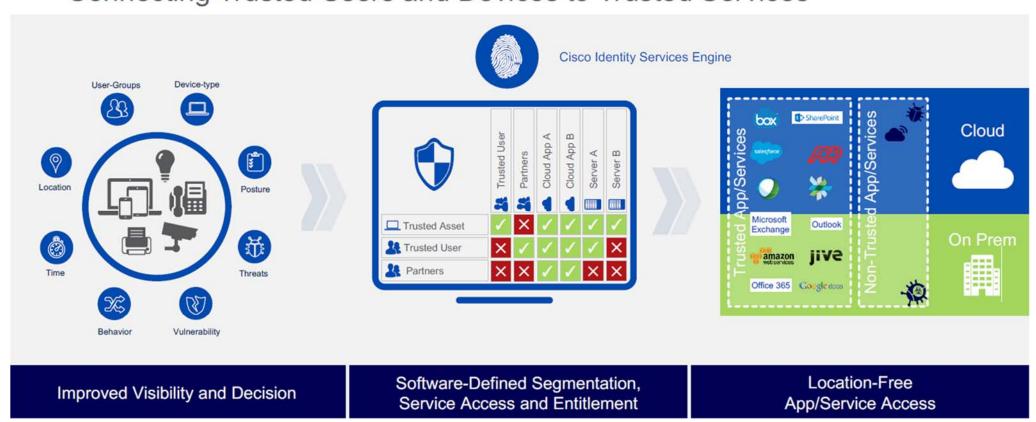
Context aware policy service, to control access and threat across wired, wireless and VPN networks.

Cisco Anyconnect

Supplicant for wired, wireless and VPN access. Services include: Posture assessment, Malware protection, Web security, MAC Security, Network visibility and more.



Managing Policy Based on 'Trust' Connecting Trusted Users and Devices to Trusted Services



何種身分角色的裝置

>> 根據制定政策

>> 決定可去的區域

METRICS

Total Endpoints • 55534

Active Endpoints • 34258

202

Authenticated Guests 0

4234

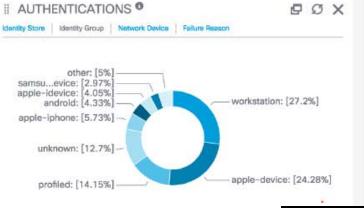
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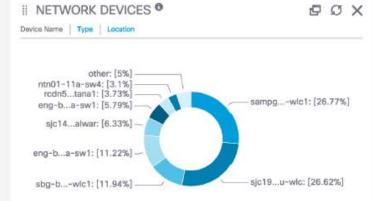
BYOD Endpoints 0

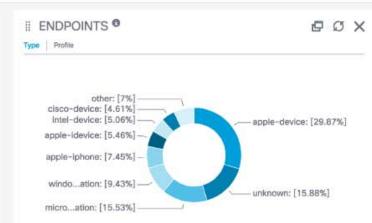
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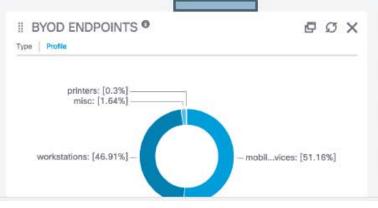
Compliance 0



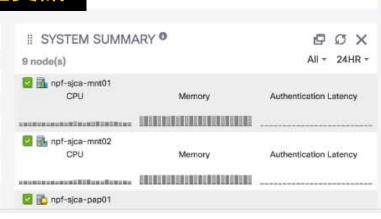




中央控管介面方便查找各種接入裝置資訊







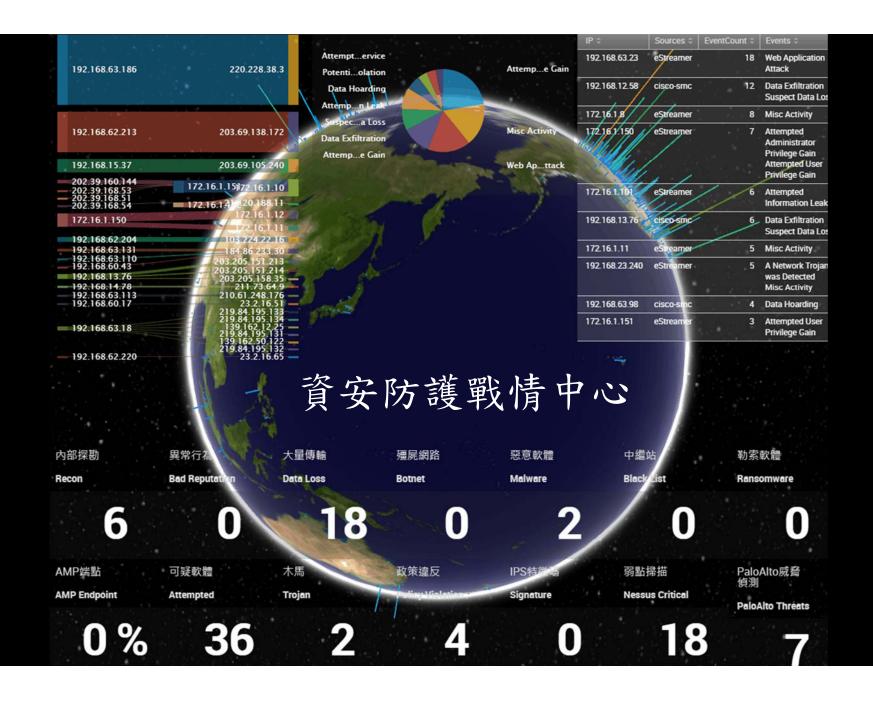


Faster Insights 快速可視發現



Better Control

更好管控措施

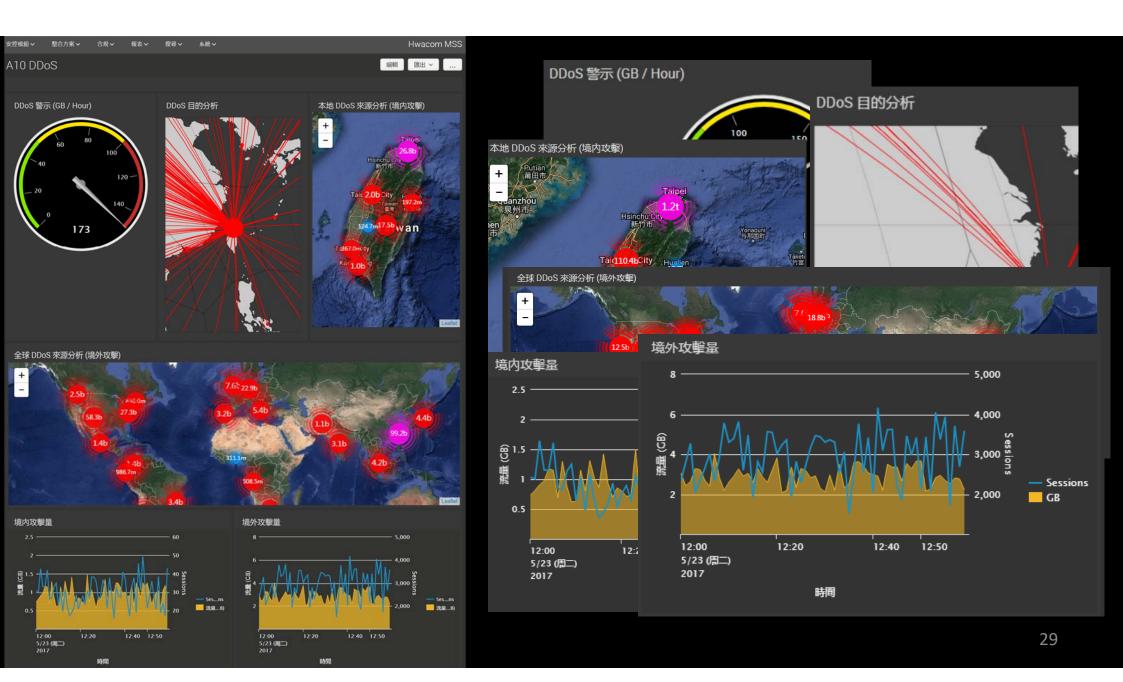




使用者行為分析模組

- 可視性行為分析模組,快速查詢安全威脅。
- 進行交叉關聯式分析,找出害群之馬。
- 自動化通知相關負責人,立即處理問題。







警訊即時通報





