QNAP

ADRA NDR

主動式資安快篩機制
有效達成內網威脅偵測與分析

什麼是ADRA NDR?
它是台Firewall?
Switch? 還是其他的?

ADRA NDR
內建資安快篩功能的智能交換機

ADRA NDR

威脅自動偵測

Threat Watch
Threat Trap

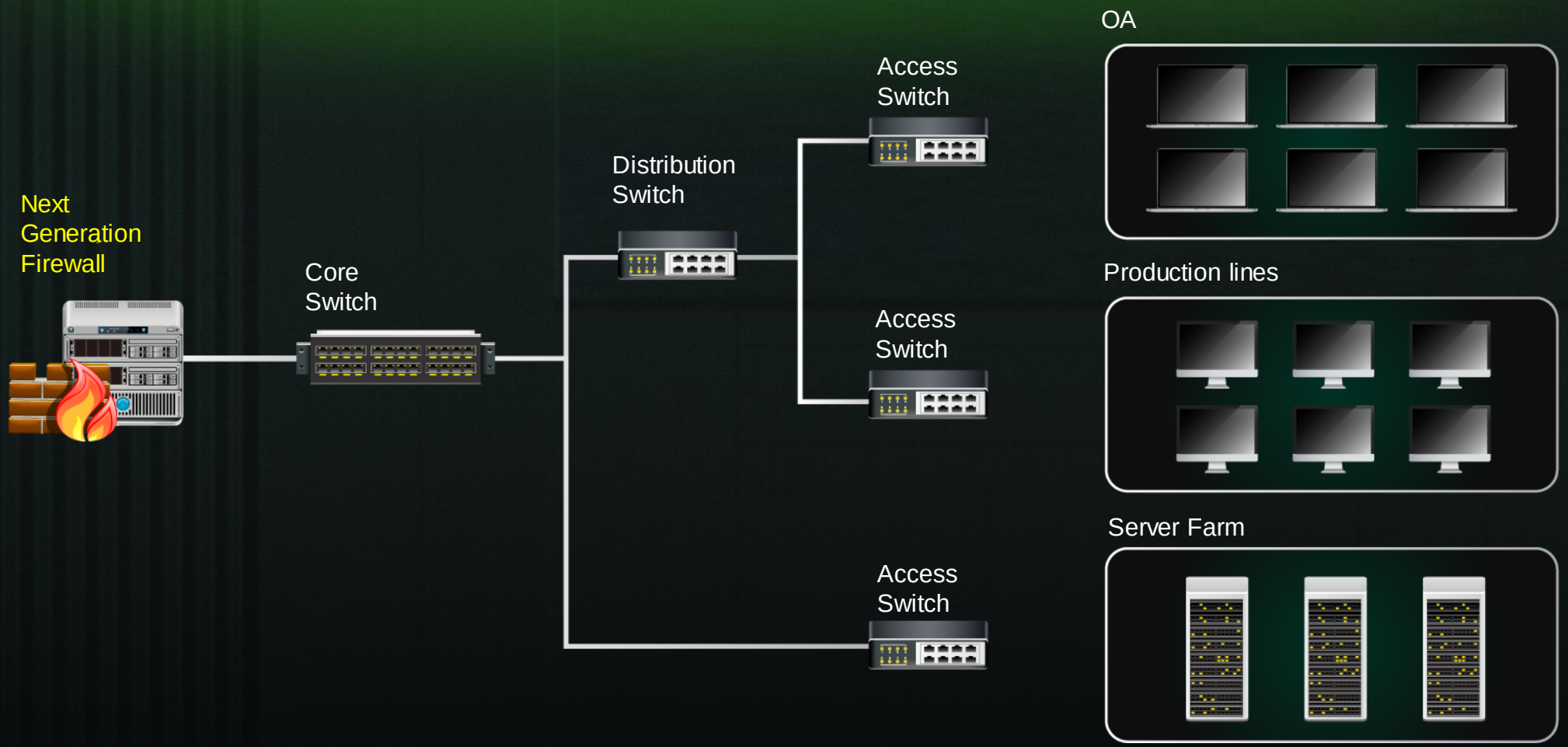
及時威脅分析

Correlation Analysis
Deep Threat Analysis

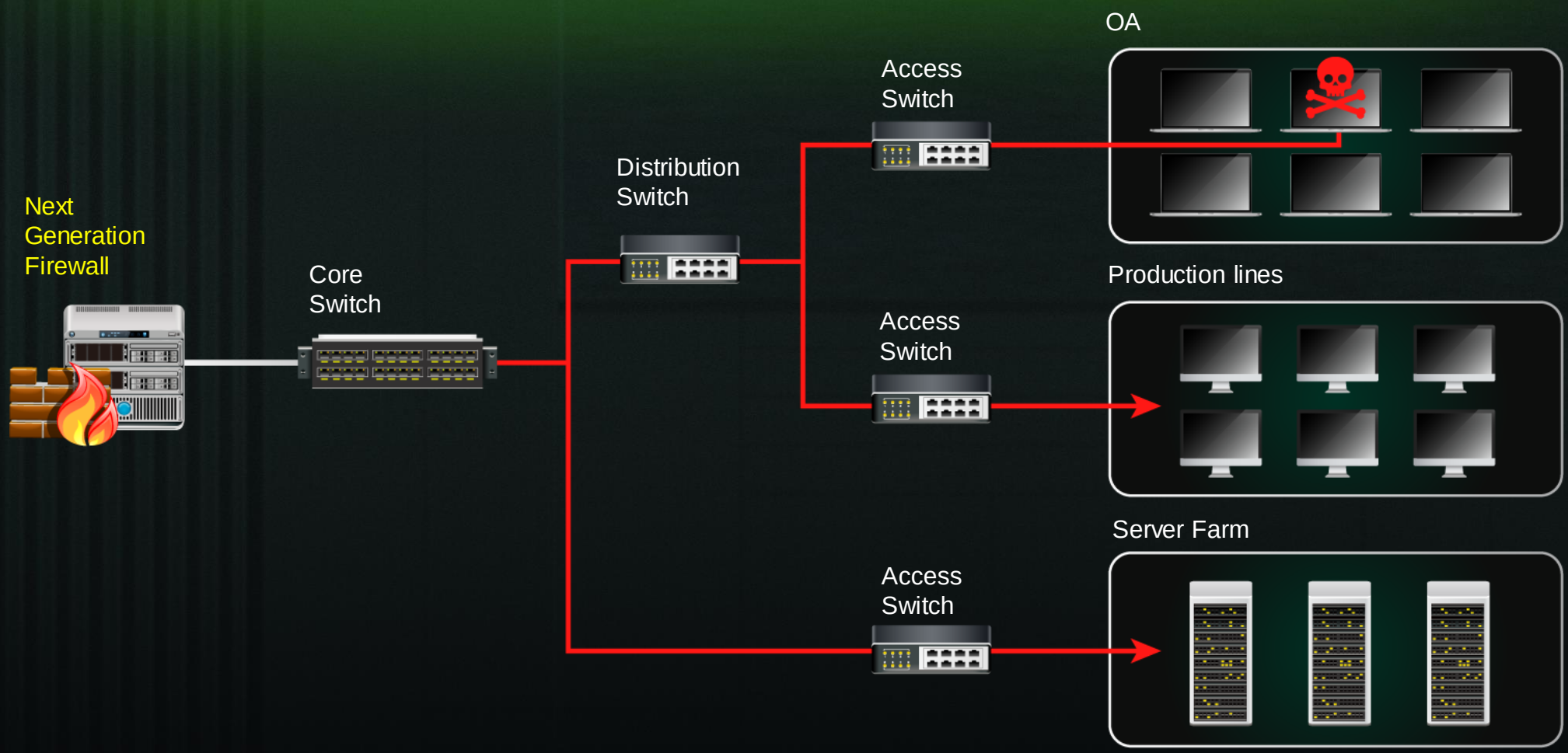
主動隔離威脅來源

Access Switch
Isolate Victims/Zone
Risk Management

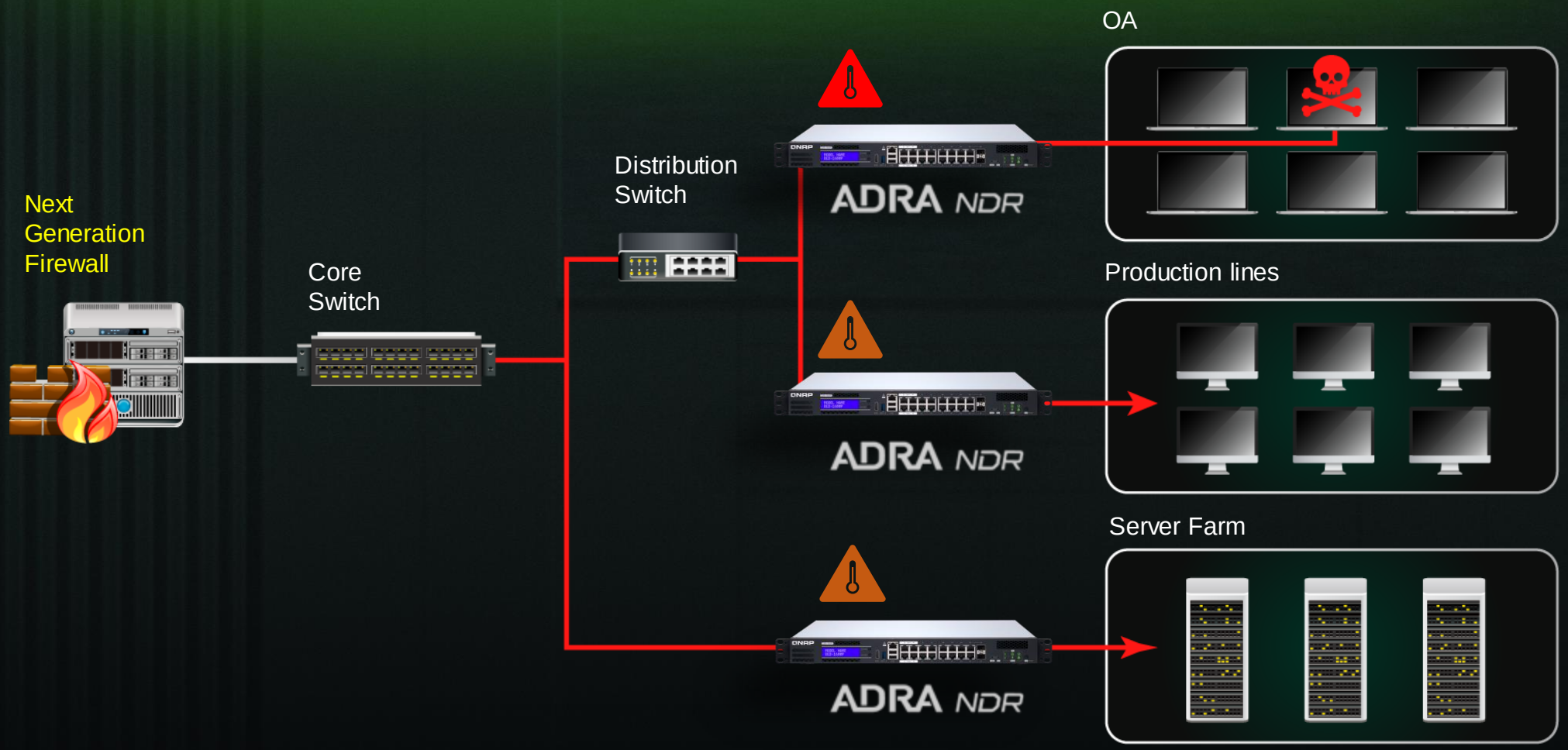
傳統的中小企業網路架構



傳統架構對內網威脅抵抗力較薄弱



ADRA NDR可彌補這一塊



目標市場及使用者的痛點

目標市場

很多中小企業因為資安布建的不充足，
常常變成主要的攻擊目標

Enterprise	Mid Enterprise	Medium business	Small Business	Consumer
5.000+ devices	1.000 – 5.000 devices	250 – 1.000 devices	10 – 250 devices	

為什麼中小企業需要ADRA NDR?

缺乏資源
預算考量，
資安分析/管理人員不足

傳統NAS使用者
實體儲存設備容易成為目標

很多舊款設備
舊設備存在著很多漏洞

容易跟威脅妥協
攻擊者容易得到贖金

產品型號

建議edge數量	10– 50 devices	30 – 80 devices	60 – 110 devices
Global Model name (multi-OS)	QGD-1600P	QGD-1602P-C3558-8G	QGD-1602P-C3758-16G
License (ADRA NDR)	Global: 1 year / 3 years	Global: 1 year / 3 years	Global: 1 year / 3 years
CPU/RAM	Intel Celeron 4C / 4GB	Intel Atom 4C / 8GB	Intel Atom 8C / 16G
Disk(manual added)	2 x 2.5" SATA Slot	2 x M.2 NVMe 2280 or 2 x 2.5" SATA slot	2 x M.2 NVMe 2280 or 2 x 2.5" SATA slot
Switch	14 x 1GbE RJ45 + 2 x Combo(RJ45&SFP)1GbE	8 x 2.5GbE RJ45 8 x 1GbE RJ45 2 x 10GbE SFP+	8 x 2.5GbE RJ45 8 x 1GbE RJ45 2 x 10GbE SFP+
PoE	Yes	Yes	Yes
Management Port	1 x 1GbE RJ45	2 x 5GbE 2 x 1GbE	2 x 5GbE 2 x 1GbE

不同情境下建議的終端設備數量

情境	一般網頁瀏覽	一般網頁瀏覽 (75%) + 高度網路使用設備(25%)	高度網路設備	各機種建議的Trap啟用數量
QGD-1600P	50	30	10	1-2
QGD-1602P-C3558-8G	80	60	30	3-6
QGD-1602P-C3758-8G	110	90	60	6-8

Note: 如有在ADRA上啟用Trap功能，請將每一台Trap都視為一個高網路流量使用設備

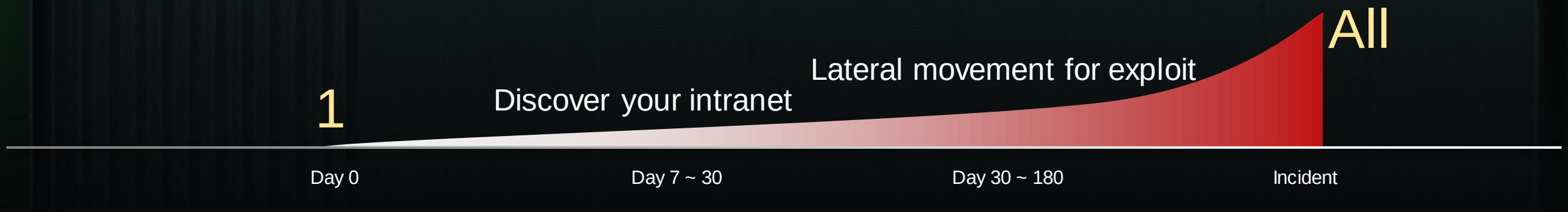
網路威脅 101

網路攻擊時間軸

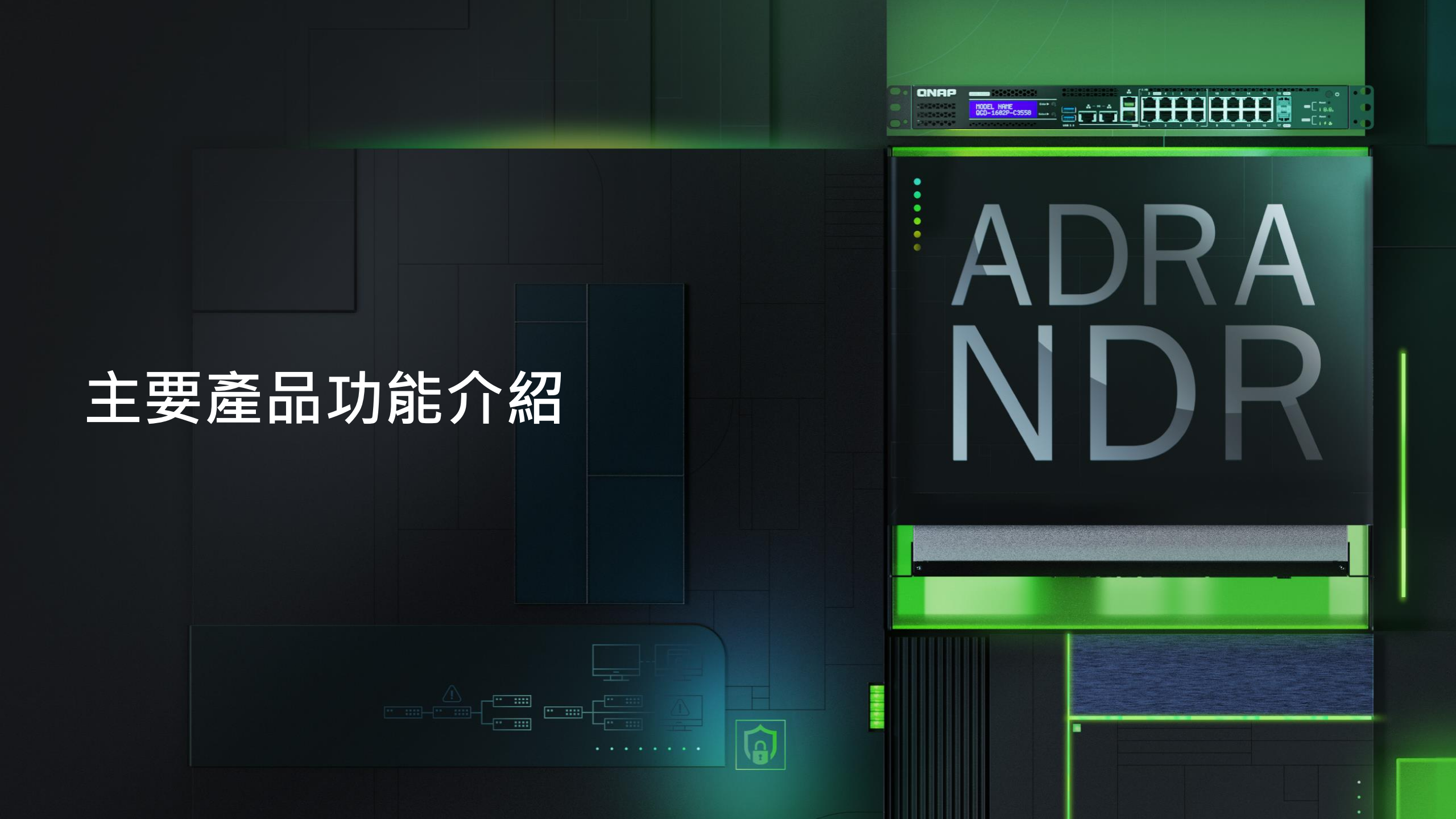
第一台被攻擊
拿下的設備

沒有適合的
內網防護網

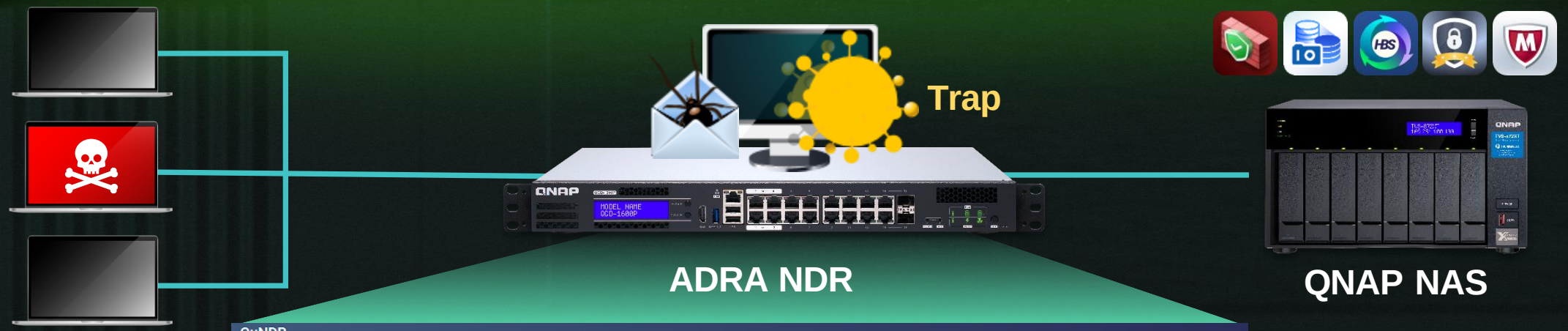
整個內網被攻陷

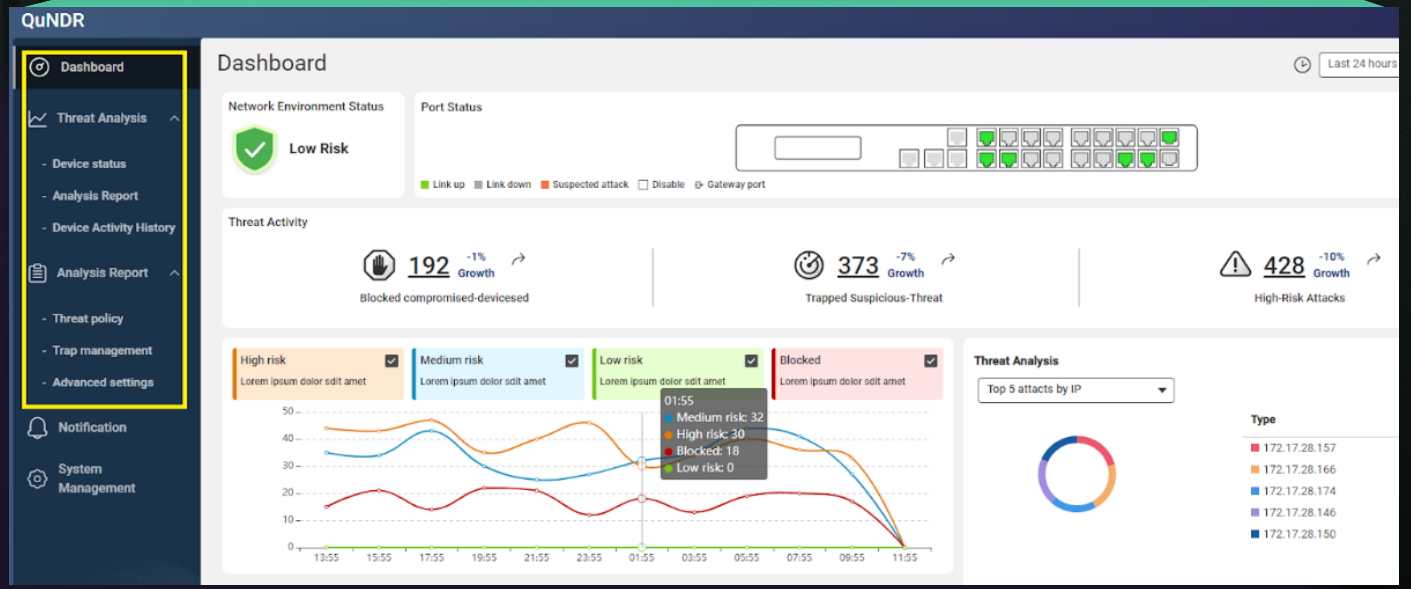


主要產品功能介紹



創新思考: Threat Trap (主動出擊)





偵測及分析流程


Threat watch
3
Deep Threat Analysis (DTA)
5
Isolation rule
2
Switch
Threat Trap
192.168.1.99
4
Correlation analysis
6
Risk Management
1
ADRA NDR

如何將QGD升級為ADRA

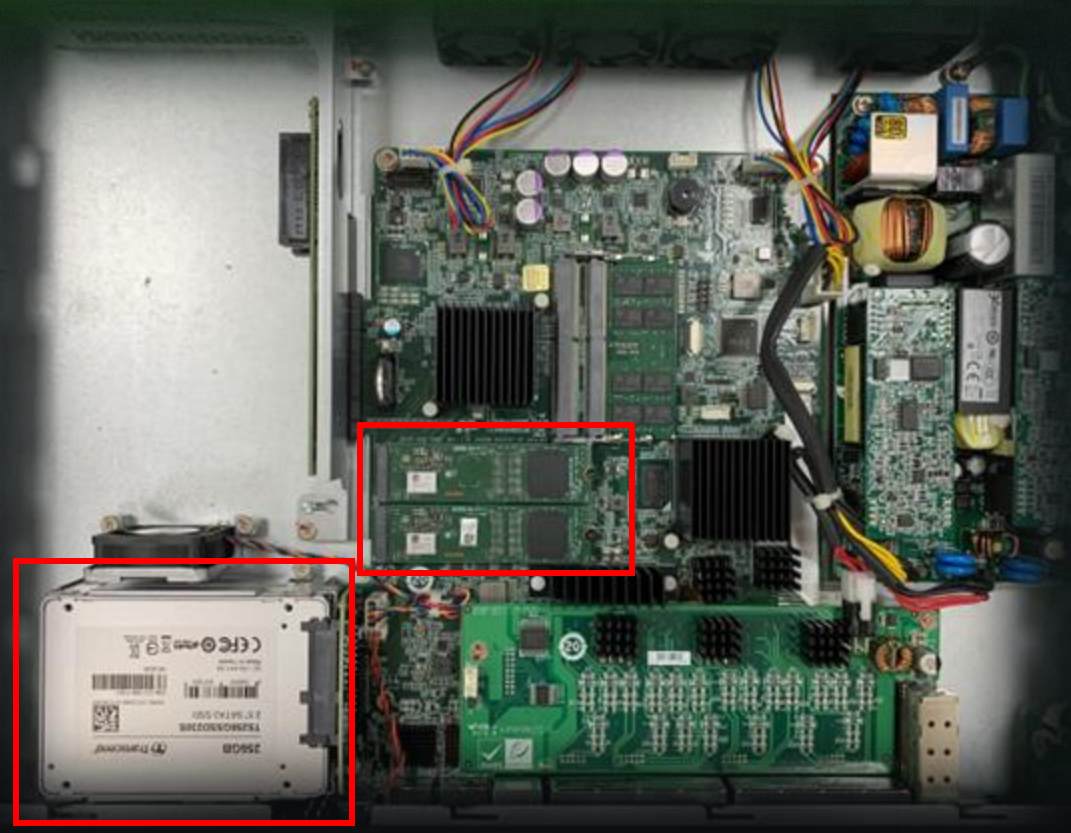
安裝 M.2及2.5” SSD

QGD-1600P系列

- Installed w/ 2.5” SSD (1-2 pcs)
- Minimum requirement is 256GB 2.5” SSD

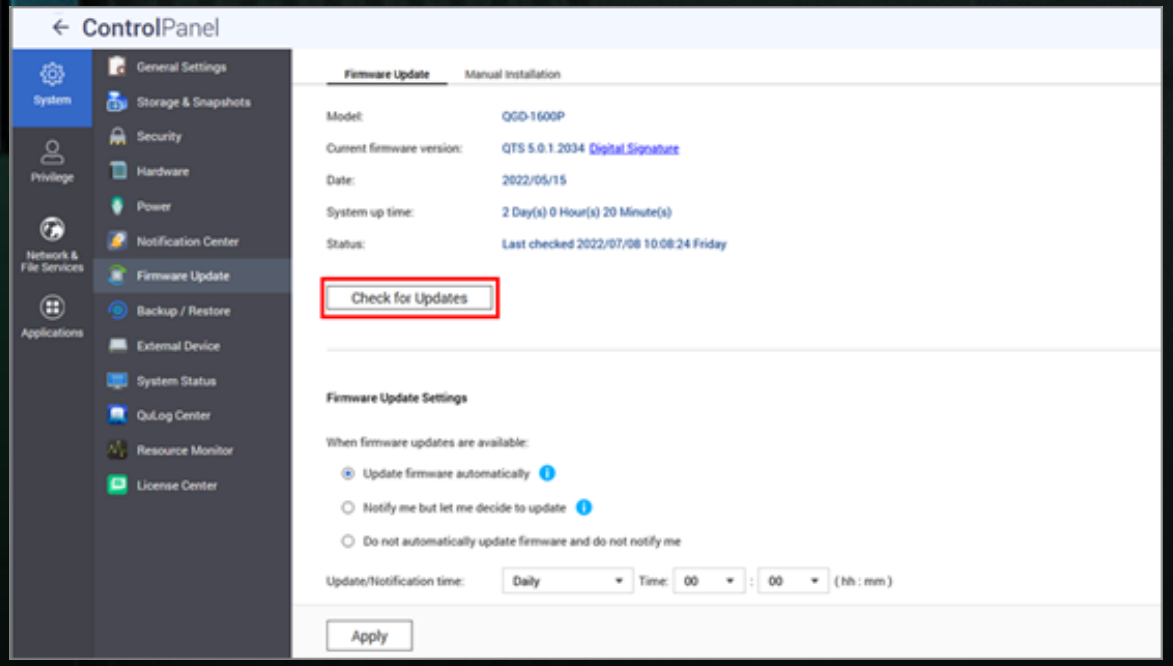
QGD-1602P 系列

- Installed w/ M.2 SSD (1-2 pcs) and 2.5" SSD(1-2 pcs)
- Minimum requirements are 128GB M.2 SSD and 256GB 2.5” SSD



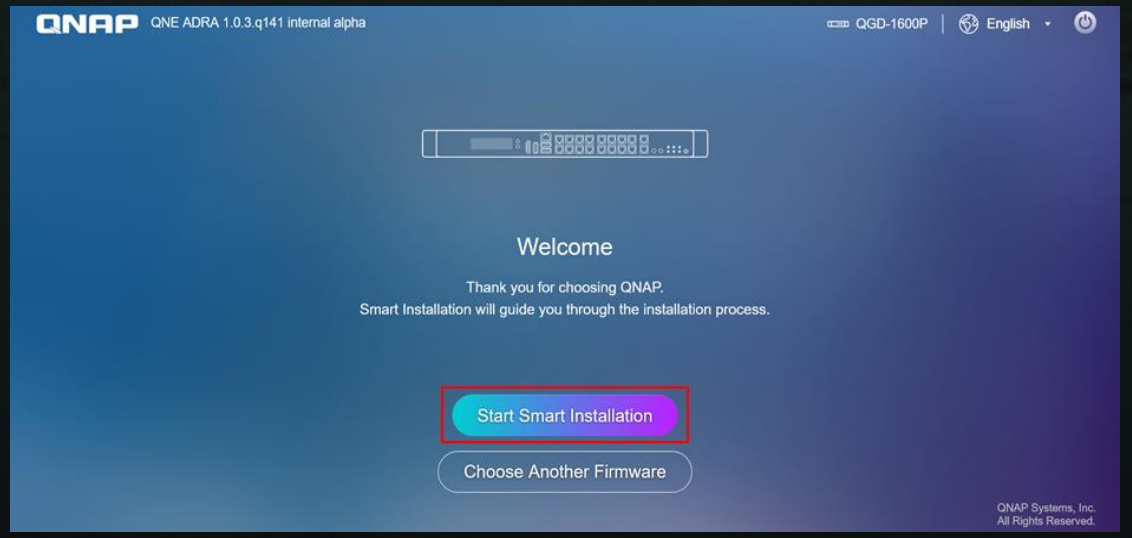
將 QTS 升級到雙系統版本

- 登入QGD
- 到 FW Live update 頁面
- 確定 QTS 更新到最新版



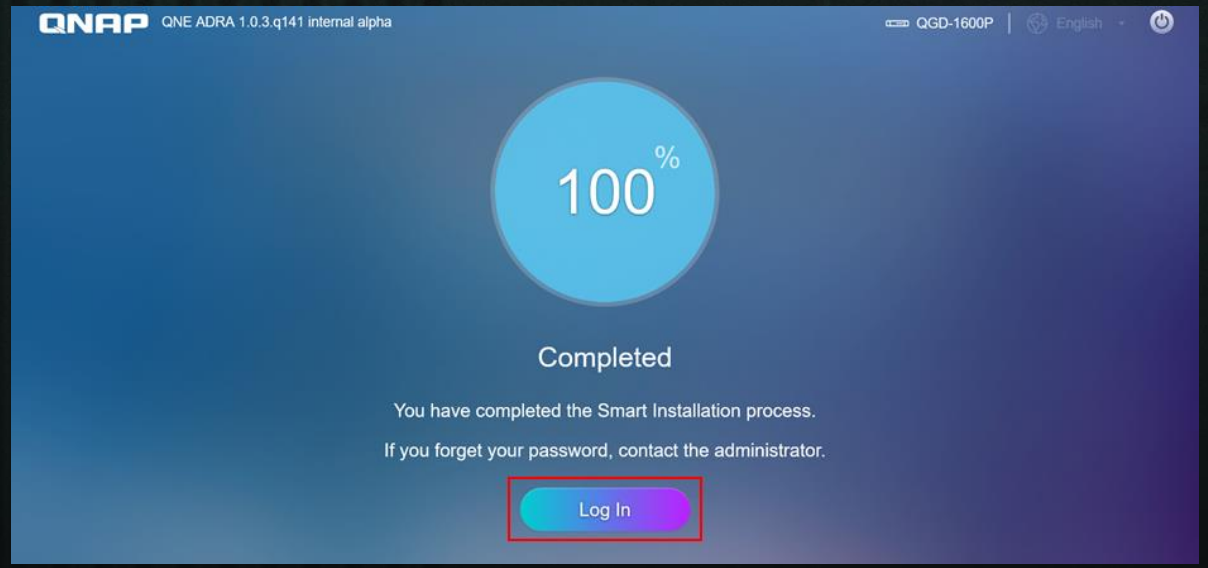
切換到 QNE ADRA 韌體

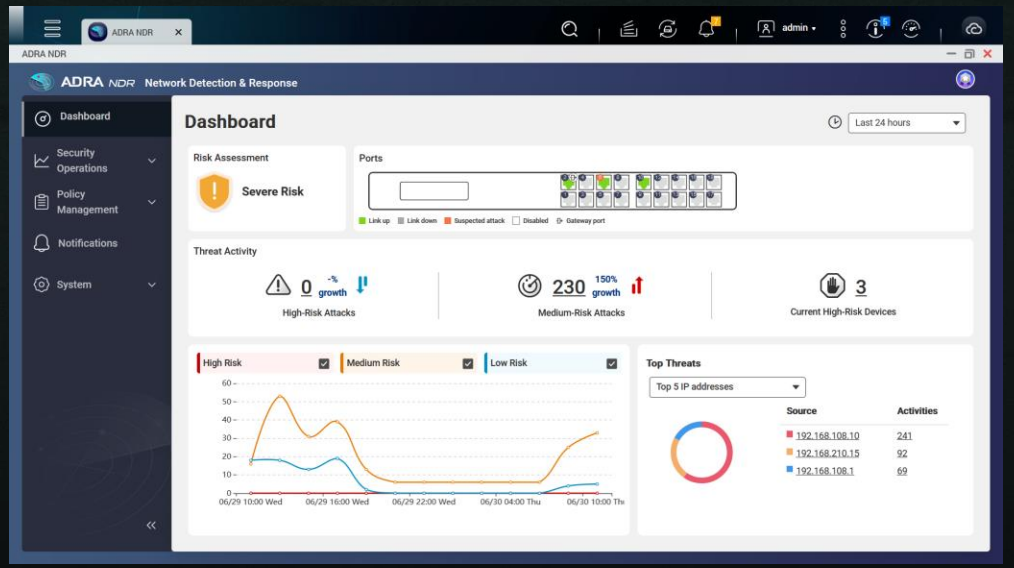
- 將 QGD 重新reset
- 重開機完成後，QGD 會跳出是否要選擇切換韌體的畫面
- 預設機器還是選擇 QTS for QGD, 如果要切換成ADRA請點選 “Choose Another Firmware”



完成 FW 安裝流程進入 ADRA NDR

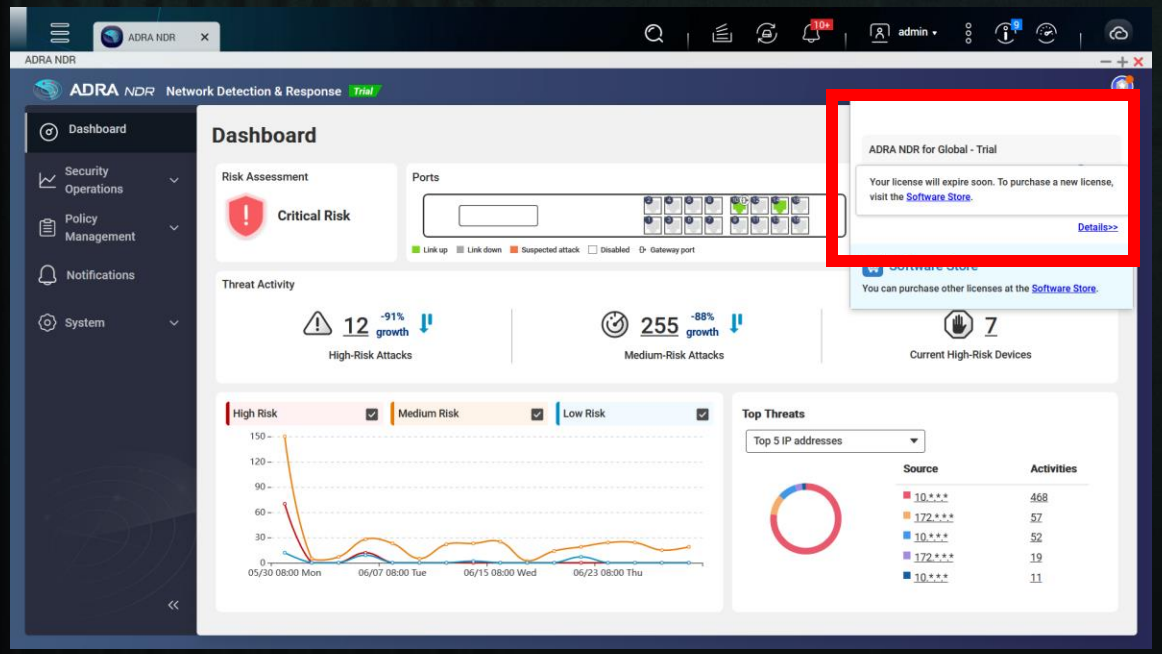
- 跑完安裝流程之後，就會跳出login畫面
- 登入後就可以開啟ADRA NDR功能

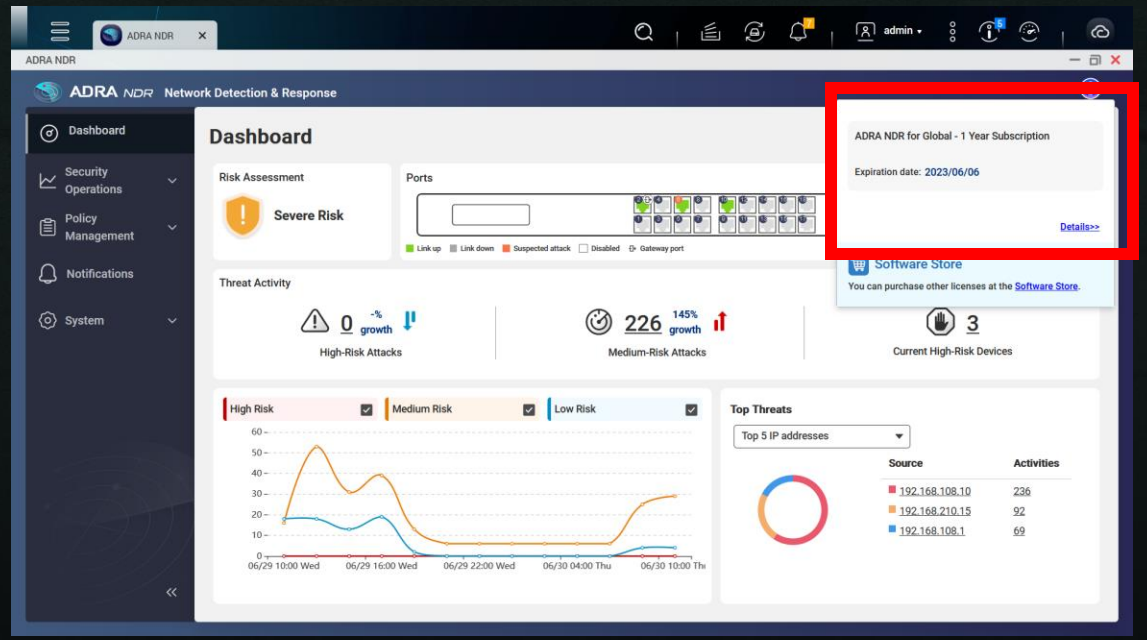




購買註冊License

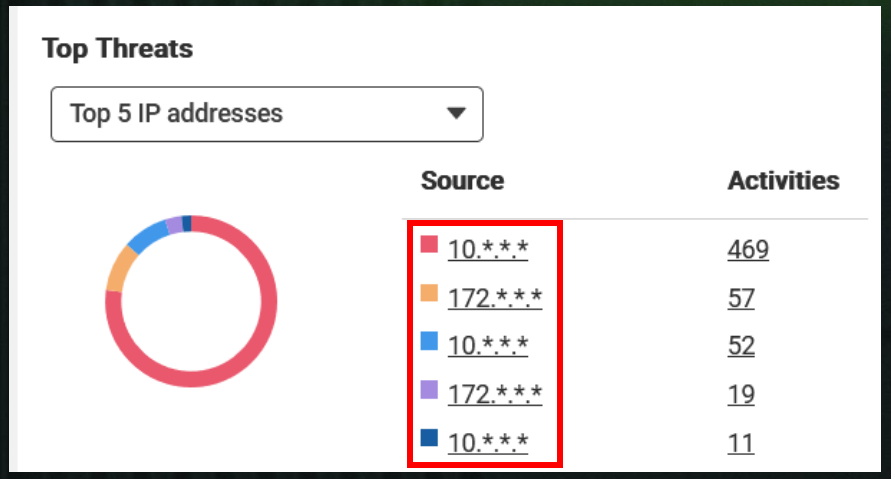
ADRA NDR預設有30天試用，需購買啟用標準版License才能獲得完整ADRA NDR功能



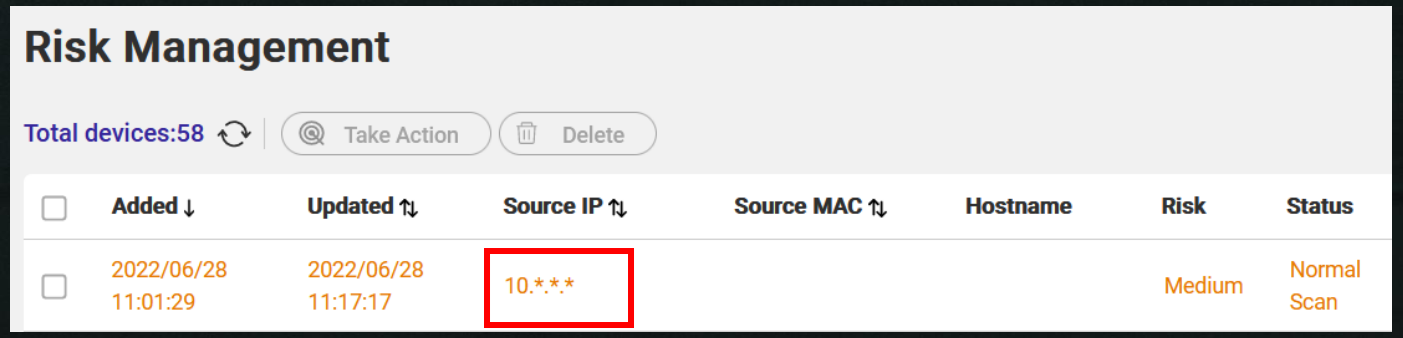


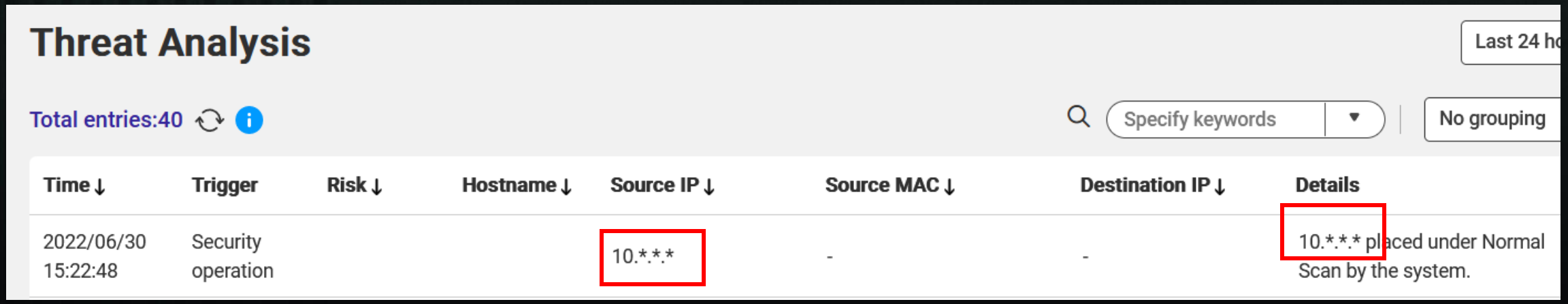
試用跟標準版
License的差別

ADRA
只會顯示部分資訊給Trial License使用者



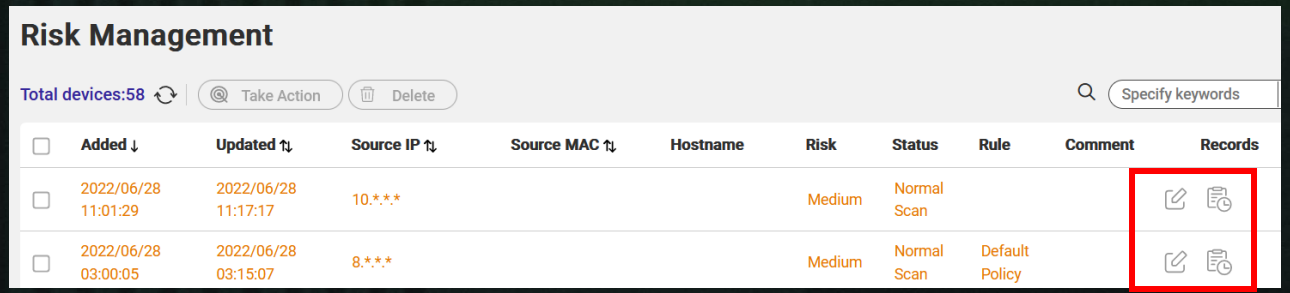
資料如Hostname, Source IP,
Source MAC, Destination IP會被隱藏起來.

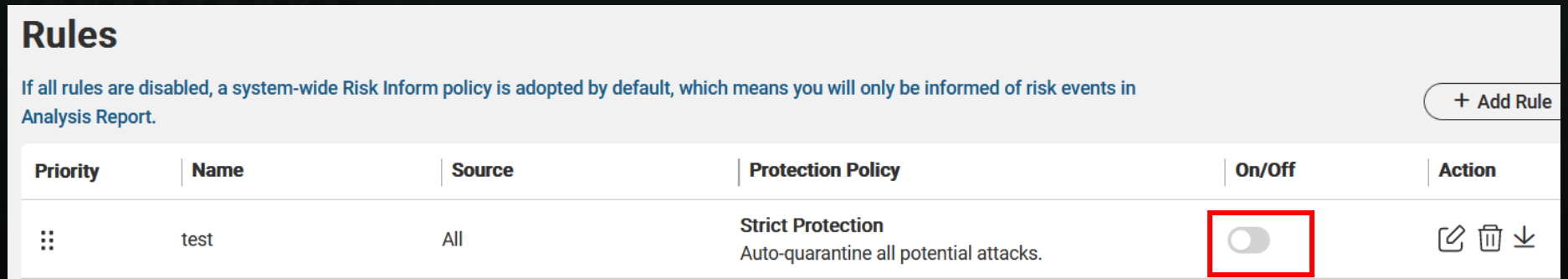


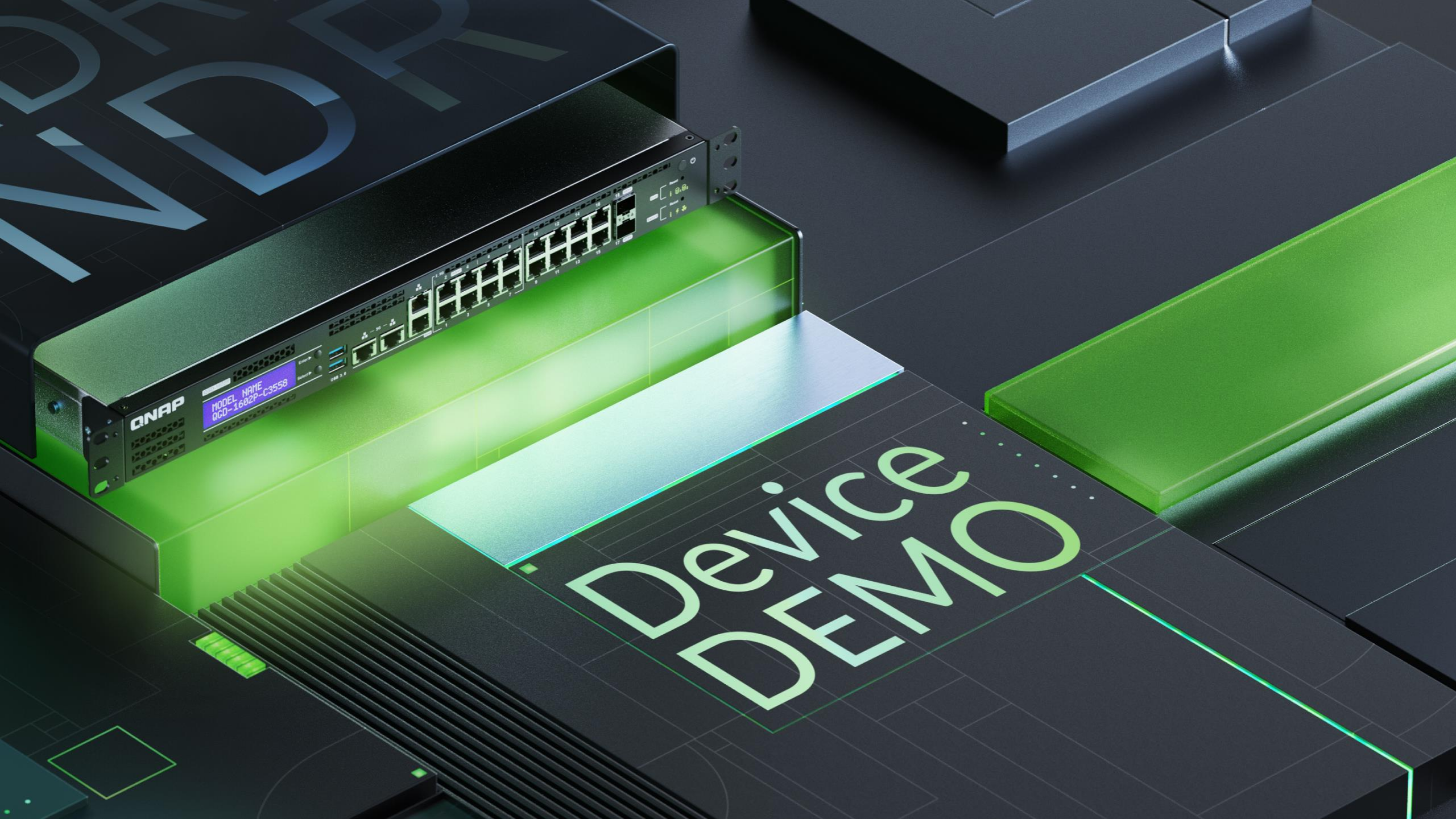


有限的功能

部分功能如Risk Management, Threat Analysis and Rules是無法啟用的






QNAP
MODEL NAME
QGD-1602P-C3558
Device
DEMO