

Hewlett Packard
Enterprise

Intelligent SecOps

“실시간 상관분석과 빅데이터 분석을 하나로”

한국HPE 황원섭 차장 (bob.hwang@hpe.com)

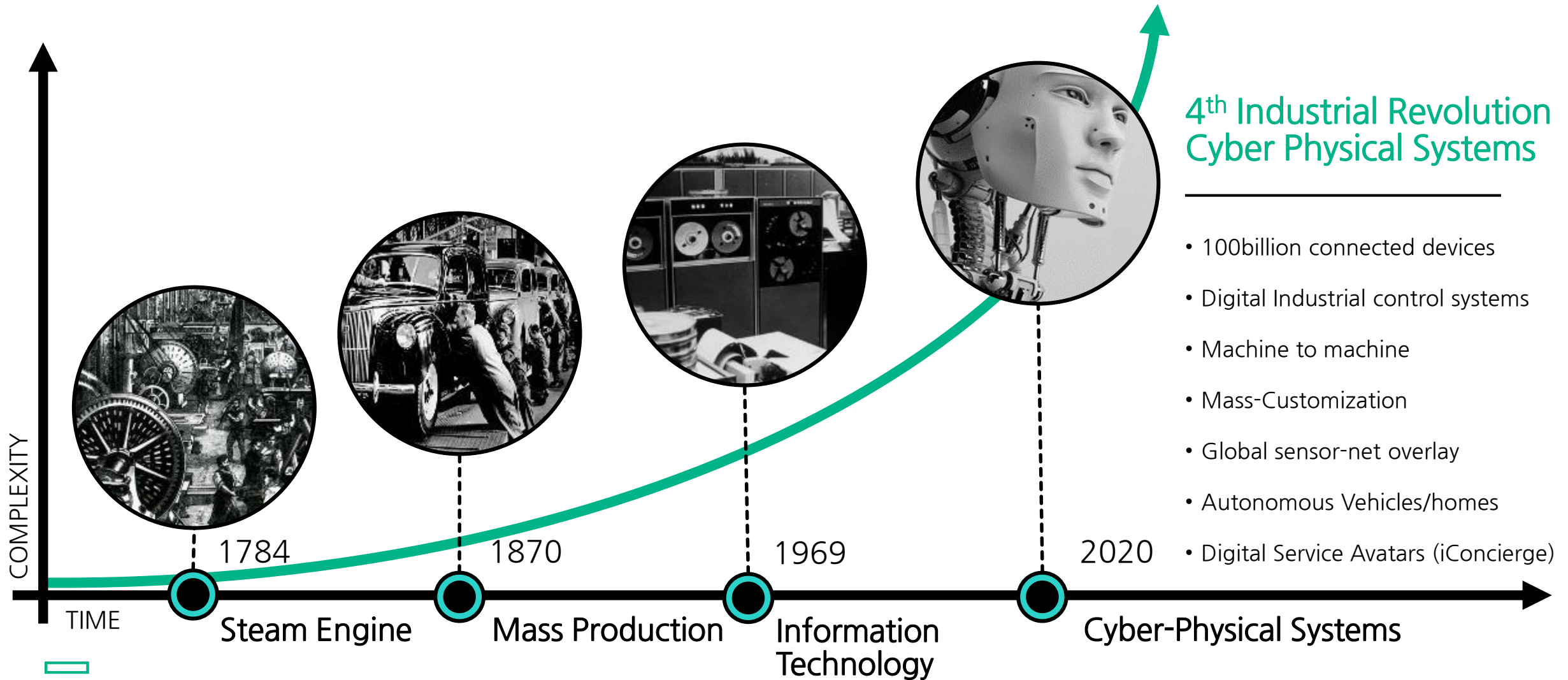
2016년 전 세계인의 주목을 끌었던 뉴스

“AI 알파고가 이세돌 9단과의 대국에서 이겼다.” -> 4주 동안 딥러닝으로 400만 번의 경기를 반복

“구글의 무인 자동차가 300만km 주행에 성공했다.” -> 초당 1GB 규모로 발생하는 센서 데이터를 분석

“미국의 어떠한 언론도 트럼프의 대선 승리를 예측하지 못했다.” -> 빅데이터만이 트럼프의 승리를 예측

제4차 산업혁명은 이미 시작됐다! - Klaus Schwab

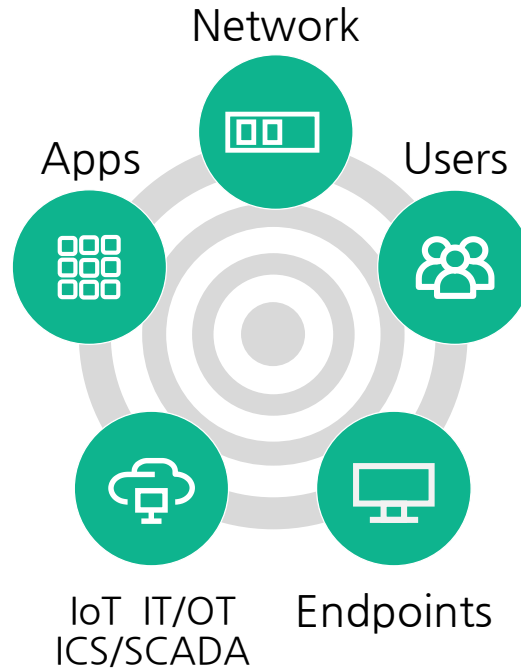
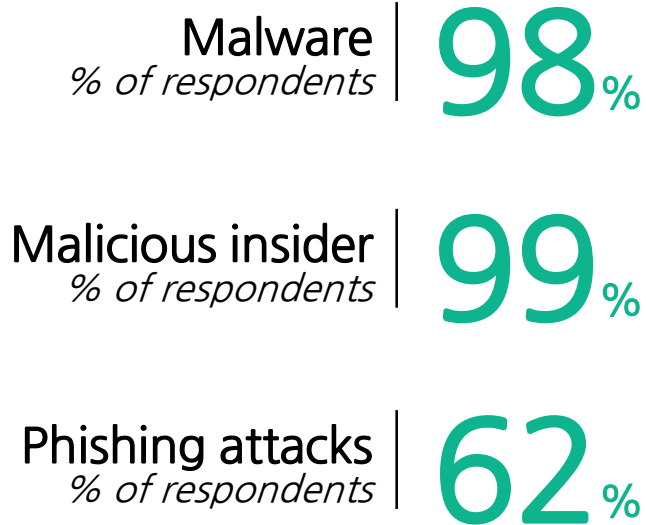


사이버 위협에 대한 신속하고 효율적인 보호방안 필요

- 조직의 공격 빈도가 증가하고 있다¹ ...

- 내부 네트워크와 클라우드 모두 공격 대상이 되고 있다 ...

- 공격자는 알려진 취약점과 알려지지 않은 취약점을 악용하고 있다²



44% of security breaches occur after vulnerabilities have been identified

75% Mobile apps with critical vulnerabilities

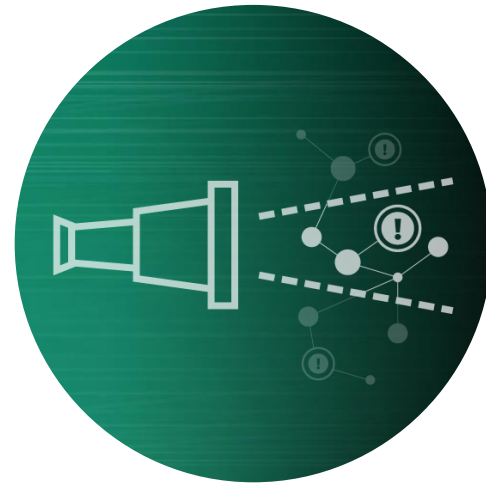
95% of organizations Have advanced malware infections in their web/e-mail & sharing infrastructures

SOC(Security Operations Center)의 직면 과제



분석할 데이터의 증가

빠른 속도로 증가하는 이벤트를 수집
할 수 있을 있어야 하는데,
이것은 초당 수백 ~ 수백만건의
이벤트 수집 능력 필요



제한된 탐지 및 대응 기능

분석가들은 위협을 보다 효과적으로
발견하기 위해 연결된 모든 시스템에
대한 더 넓은 View(시야)를 제공하는
솔루션이 필요

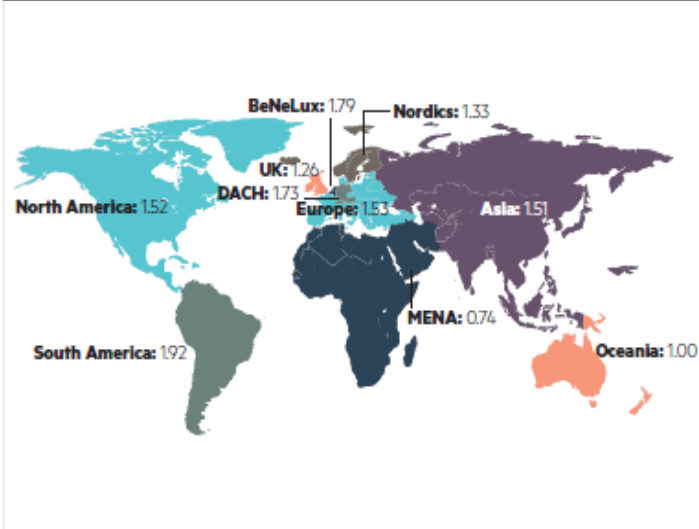


복잡하고 느린 상세분석 기능

경보(Alert)의 우선 순위를 지정하고,
경보(Alert) 를 분석하고,
복잡한 검색을 수초내에 검색 필요

2016 State of Security Operations

154 assessments in 26 countries



Major findings

The **#1 concern** is access to **skilled resources**

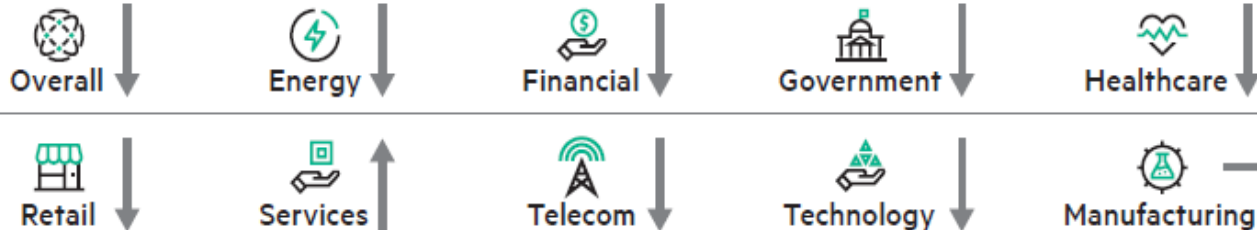
24% not providing minimum security monitoring capabilities

85% not achieving recommended maturity levels

Trends

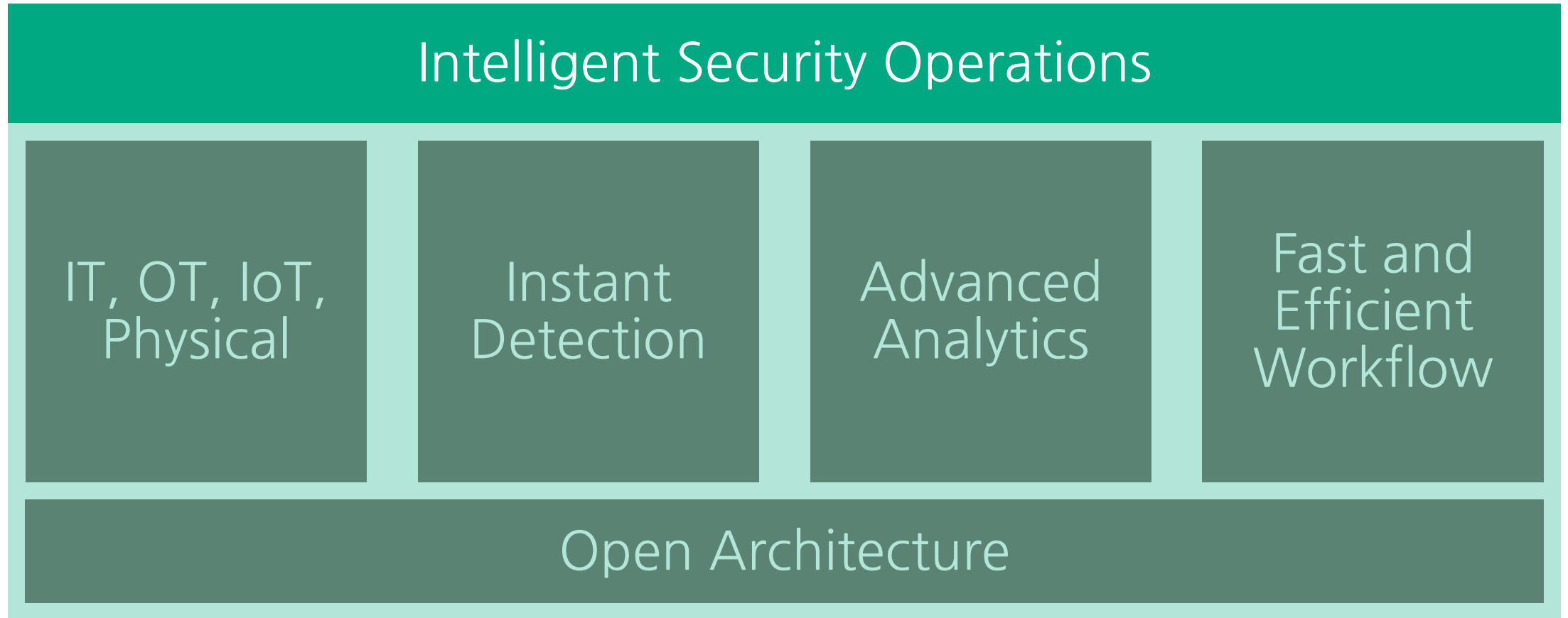
- Hunt teams and analytics
- Security orchestration and automation
- Hybrid staffing and infrastructure models
- Intelligence sharing

2015 SOMM Trend



Read the report at hpe.com/software/StateOfSecOps

성숙한 SOC를 위한 핵심 요소



Intelligent Security Operations

실시간 상관분석과 빅데이터 분석이 동시에 가능한 개방형 SIEM 플랫폼 필요



경계없는 가시성

실시간 경보 및 장기간 조사(분석),
모두를 지원할수 있는 방대한 로그
수집 능력을 가진 **개방형 플랫폼**



포괄적인 탐지 및 분석

제한없는 탐지와 대응을 위해,
실시간 탐지와 빅데이터 분석을
하나로 통합하는 구조로 확장

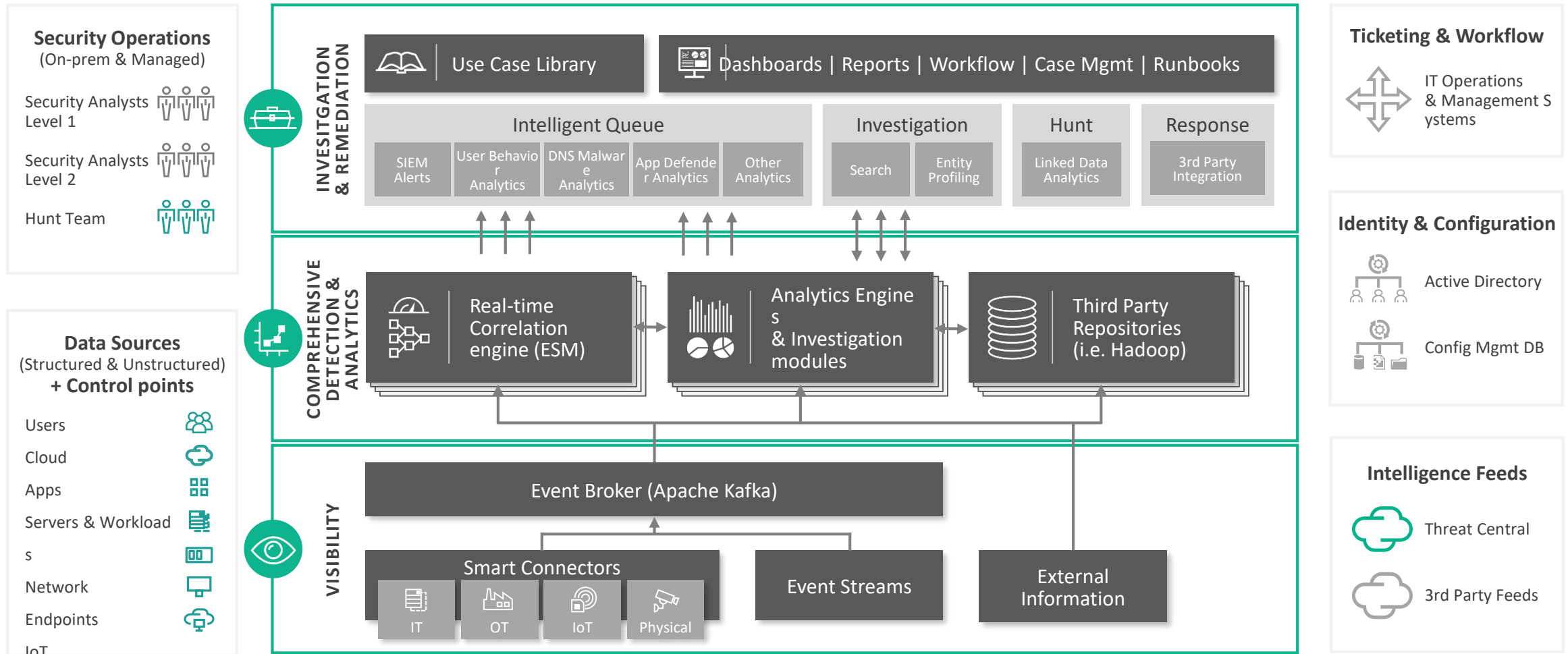


직관적인 조사 및 대응

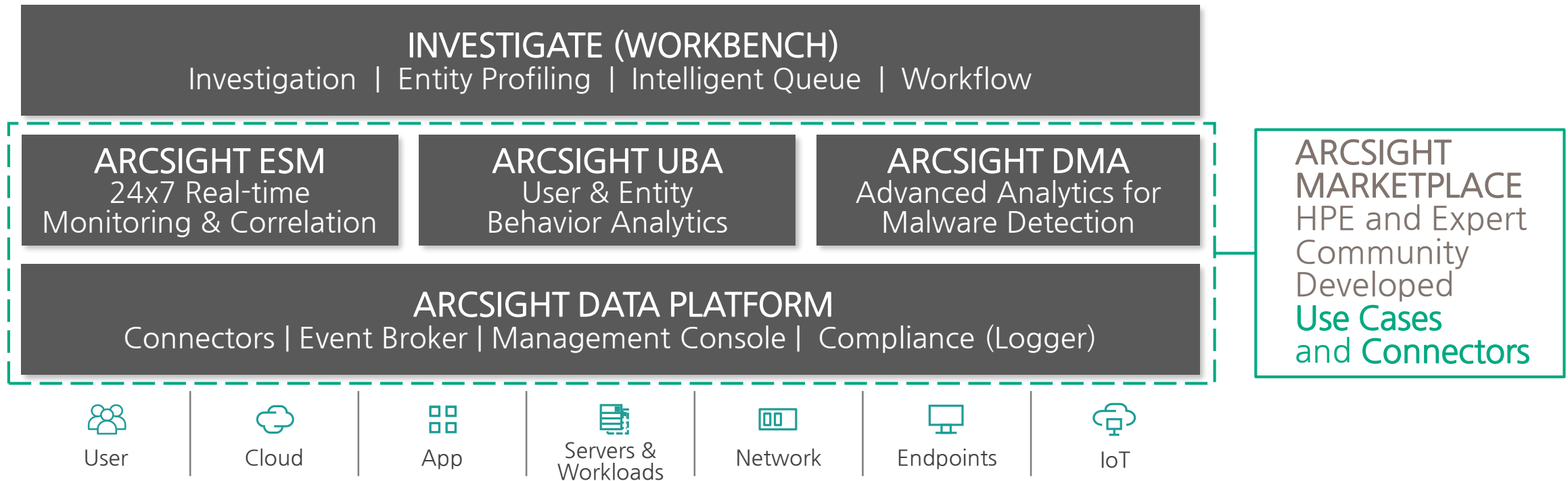
우선순위, 조사, 엔터티 프로파일링
그리고 워크플로우를 이용한
신속한 대응 지원

ArcSight New Architecture

실시간 상관분석과 빅데이터 분석이 동시에 가능한 개방형 SIEM 플랫폼



ArcSight product portfolio overview

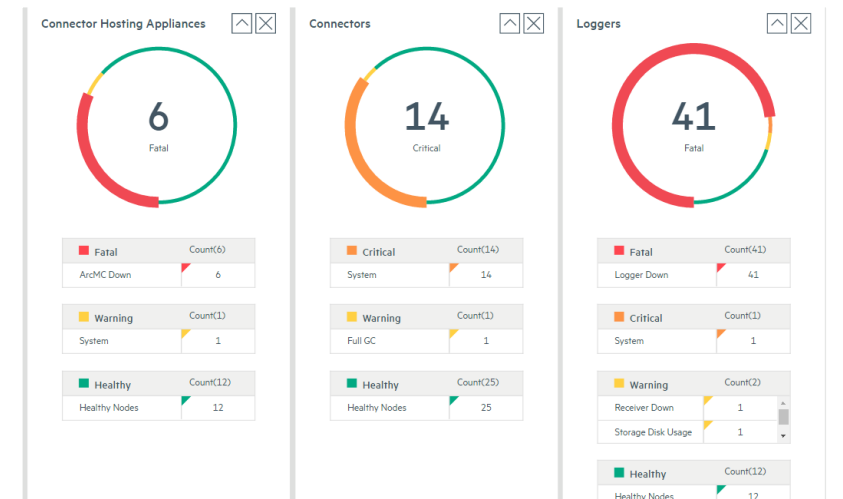
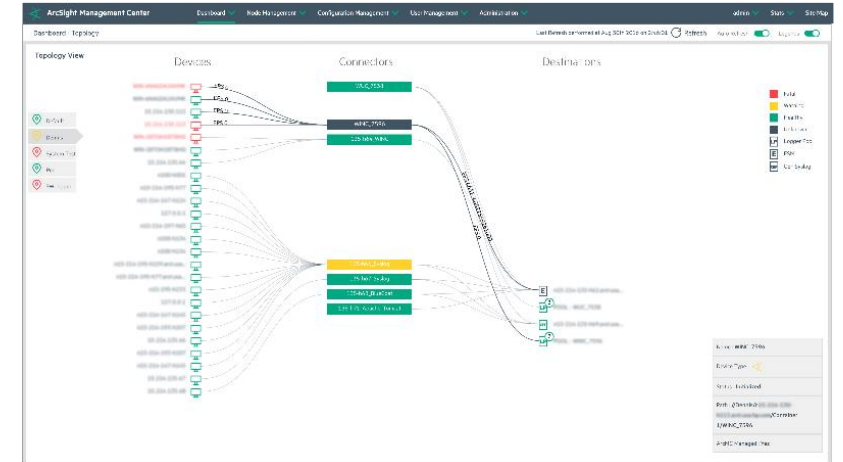


ArcSight Data Platform (ADP)

Open and scalable security data solution that can take data from any source and send it to any location, including third-party applications like Hadoop.

Capabilities/Benefits

- **Event Broker** - Extend visibility to third party applications with Kafka-based open architecture data hub
- **1M EPS ingestion rate** - Scale seamlessly to expand security posture
- **Centralized management console** - Simplify management with end-to-end environment monitoring and bulk operations with ArcMC
- **1:10 data compression ratio** - Reduce cost of data storage with compressed logs up to 1200 TB
- **Data enrichment** - Improve threat detection and analysis by security applications through data augmented with security context
- **350+ pre-built connectors** - Extend data collection sources without manual customization

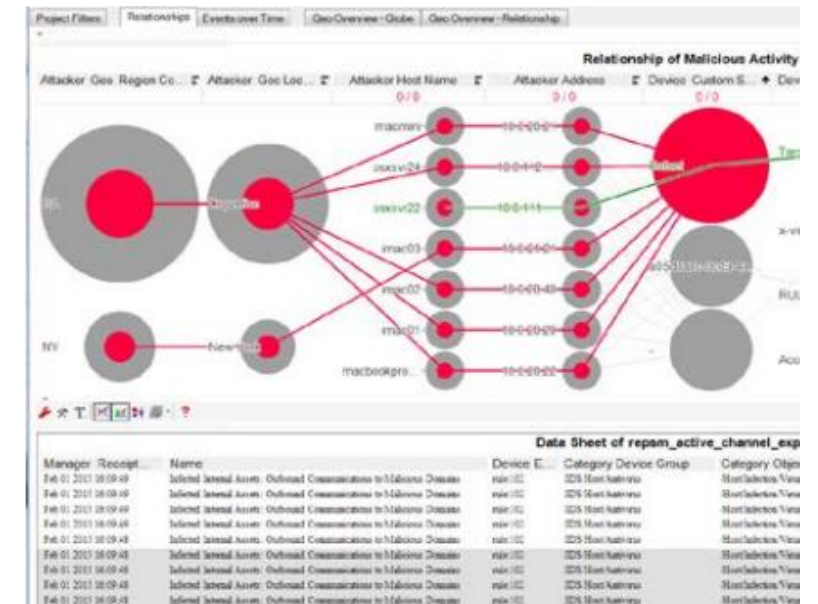
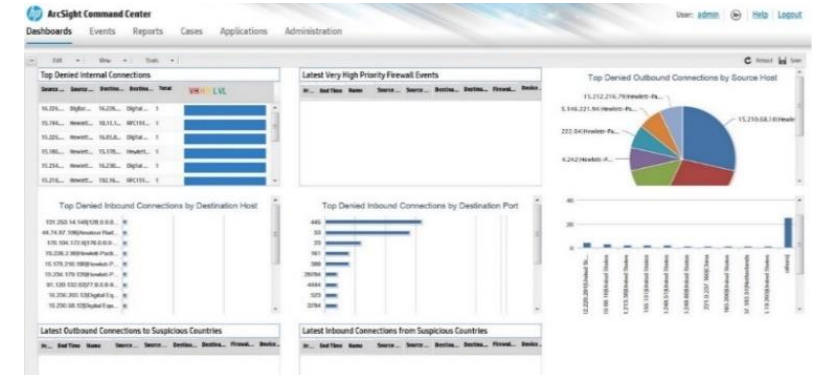


ArcSight ESM (SIEM)

Comprehensive, scalable security management application that combines event correlation and security analytics to detect and prioritize threats in real-time to respond and remediate quickly.

Capabilities/Benefits

- **Real-time correlation** - Improve incident response time from days to minutes with the most intelligent correlation engine in the industry. It filters out irrelevant noise while zeroing in on threats that matter most
- **Ultra-fast forensics** - Rapidly search terabytes of data using a simple search interface. Enables needle-in-the-haystack queries of both active and historical data with a simple search interface
- **Feature rich web active channel with integration command** - Enables faster threat investigation or the security analyst
- **New Express Appliance (search and web UI)** - Faster G9 appliances and feature parity with ESM for Express customers
- **Large hierarchical deployment best practices** - Supports multiple deployment scenarios with hierarchy models for Scalability, MSSP, and HQ/branch offices



ArcSight User and Entity Behavior Analytics (UBA)

Advanced analytics that minimize the risk and impact of cyberattacks by detecting anomalous user and entity behavior in real time.

Capabilities/Benefits

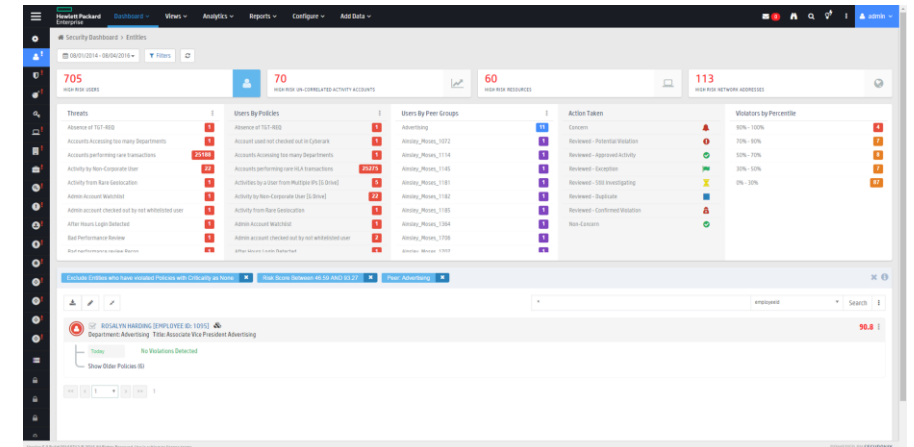
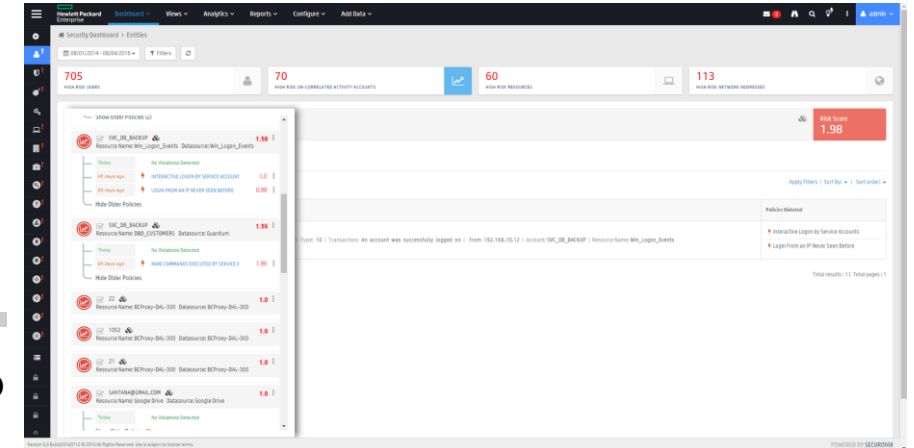
Real-time alerting - Quickly discover unknown threats and gain insight into the highest risk users and entities, even when credentials are legitimate

Entity and threat risks scoring - Prioritize the most suspicious and abnormal activities across users and entities

Threat Library with 500+ built in use cases - Respond to common threats and attacks more intelligently - without manual customization

Integrated with ADP and ESM - Leverage existing security investments

Streamlined investigations - More efficient hunting of advanced persistent threats and faster remediation



ArcSight DNS Malware Analytics (DMA)

An automated security analytics solution that detects malware-infected hosts and endpoints rapidly and with high fidelity, enabling remediation in real time.

Capabilities/Benefits

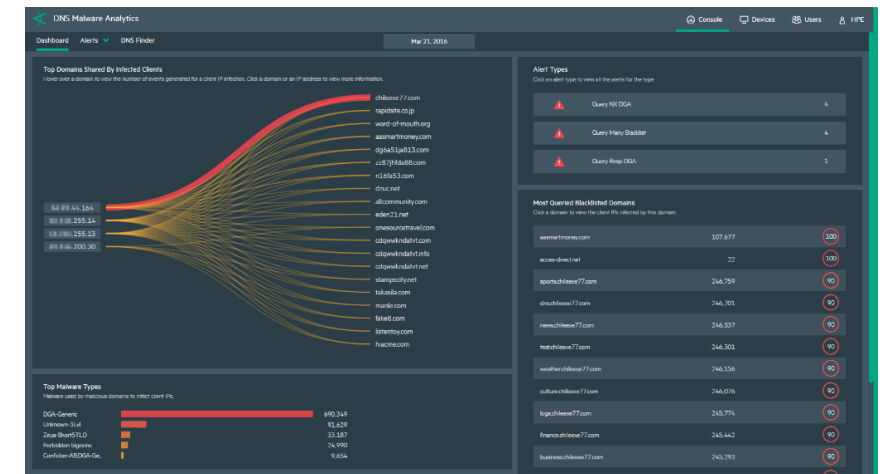
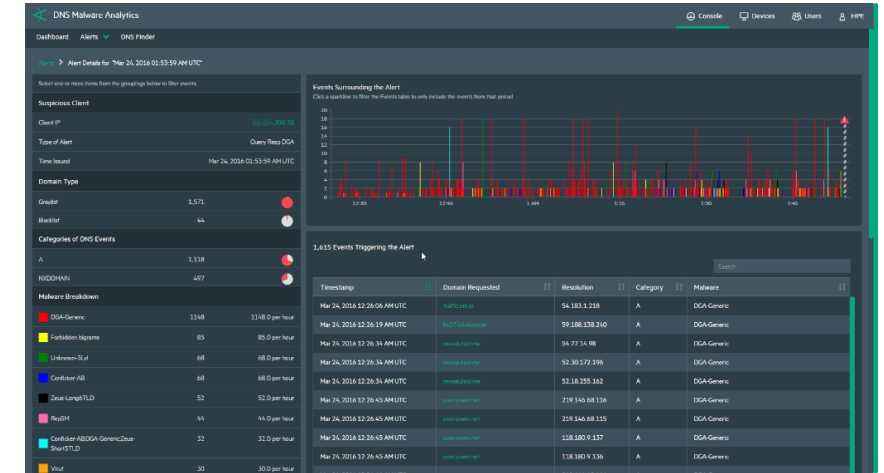
20 minutes to start detecting malware, easy installation - Achieve faster event resolution and contain threats quickly

Near zero false positives - Achieve investigation efficiency by reducing DNS signal noise and time to investigate and locate infections

Small footprint Data Capture Appliance - Capture and pre-filter DNS data, eliminating the need for costly hardware

Enhanced UI and reporting capabilities - A simple workflow for basic resolution as well as deep analytics and forensics

Encrypted communication - Protect data and management paths from unwanted intruders, snooping, hijacking, and man-in-the-middle attacks



ArcSight Investigate (출시예정)

Threat investigation solution that provides refined alerts, guided investigation and intuitive search to increase speed and efficiency for intelligent security operations.

Capabilities/Benefits

Industry-leading search speed - Search up to 10 times faster than any other security tool available today

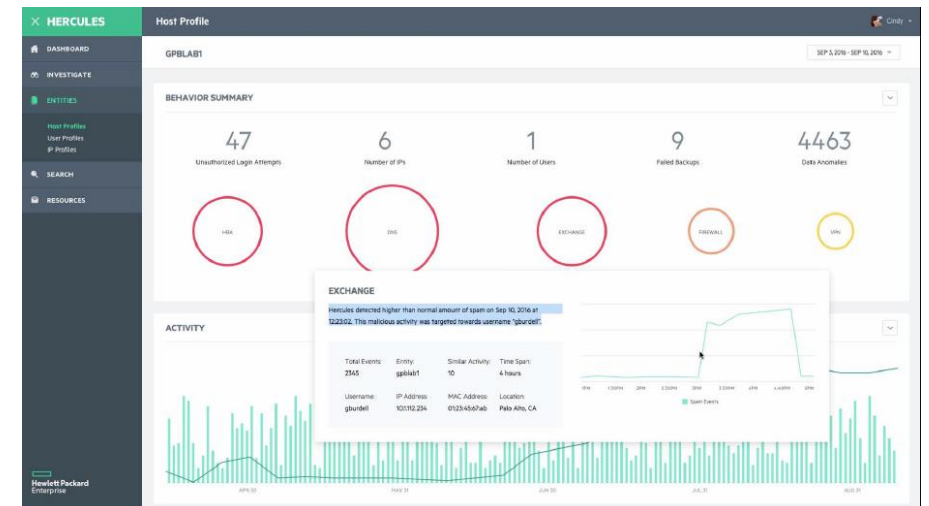
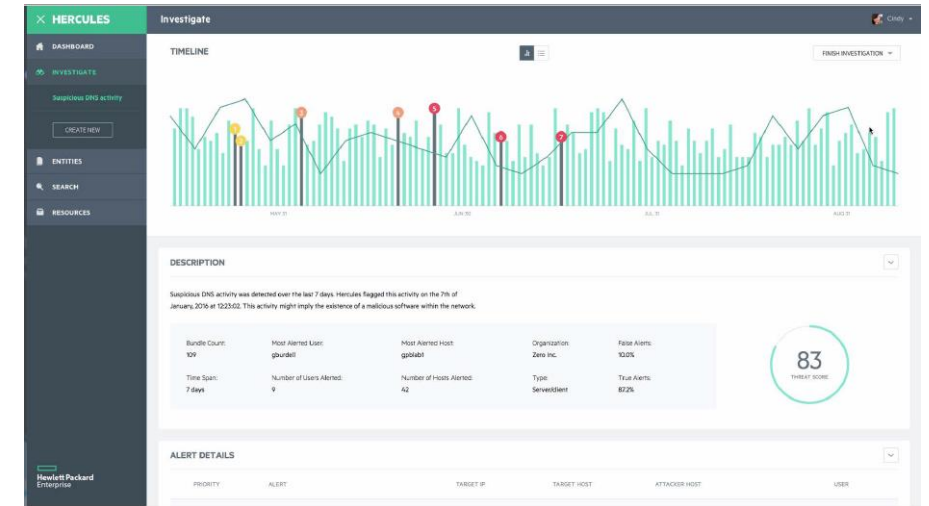
Natural language-like search - Ramp analysts quickly, without requiring any knowledge to build complicated query scripts

Predictive search builder- Expedite investigation with automatically generated search queries

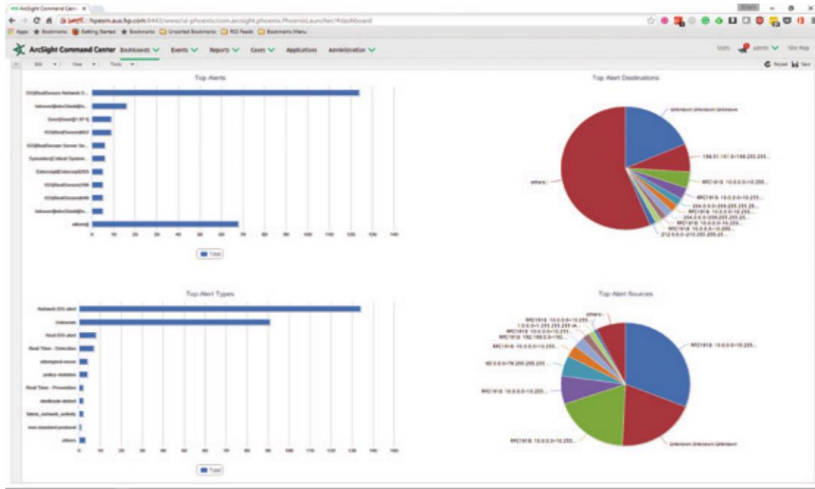
Prioritized bundle of alerts - Increase efficiency with aggregated and prioritized alerts based on algorithm

Entity profiling - Investigate alerts more quickly and precisely by enriching context and getting anomalies versus baseline

Guided investigation - Shorten time to identify threat factors through analytics derived statistics, visualizations and global threat intelligence



ArcSight SIEM과 ArcSight ADP가 2017년(2017년 2월 14일) RSA 컨퍼런스에서 SC Magazine Award 최고의 SIEM Solution으로 선정되었습니다. SC Award는 사이버 보안산업 전반에 걸쳐 인정받고 있으며, 70개 이상의 사이버 보안 업계의 유명 인사들이 심사합니다.



Finalists 2017

- LogRhythm for Security Intelligence and Analytics Platform
- Rapid7 for InsightIDR- The SIEM You Always Wanted
- RSA for NetWitness Suite
- Splunk for Enterprise Security 4.5 (ES) with Adaptive Response

Trust Award BEST SIEM SOLUTION

WINNER

Hewlett Packard Enterprise for ArcSight Enterprise Security Manager(SIEM) and ArcSight Data Platform(ADP)

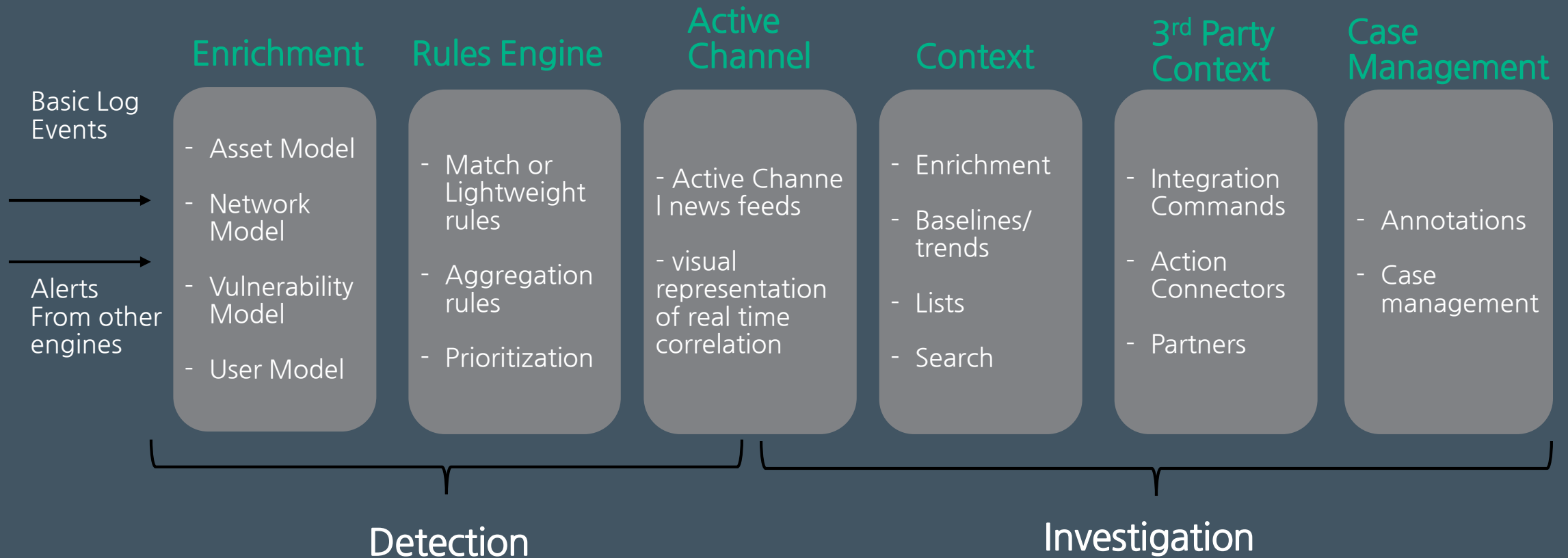
ArcSight has protected enterprises for over a decade, evolving over years as a SIEM market leader (Gartner MQ 2016 for SIEM).

As organizations scale, they rely on intelligent security operations to maintain the integrity of their security posture. ArcSight addresses sophisticated attacks, needs for quick resolution under shortage of security personnel, and data volume, variety and velocity needs due to expanding attack surface.

ArcSight Data Platform(ADP)'s open architecture supports the use of data by third-party applications such as Hadoop, data lakes and proprietary in-house applications. It collects data from any source and enriches it with security context, consolidates the information for maximum storage and retrieval efficiency. ArcSight Enterprise Security Manager (SIEM) is a powerful enterprise security management software for analyzing and correlating every event that occurs, enabling customers to get a quick and accurate picture of users, apps and data to predict, protect and respond to attacks in real-time.

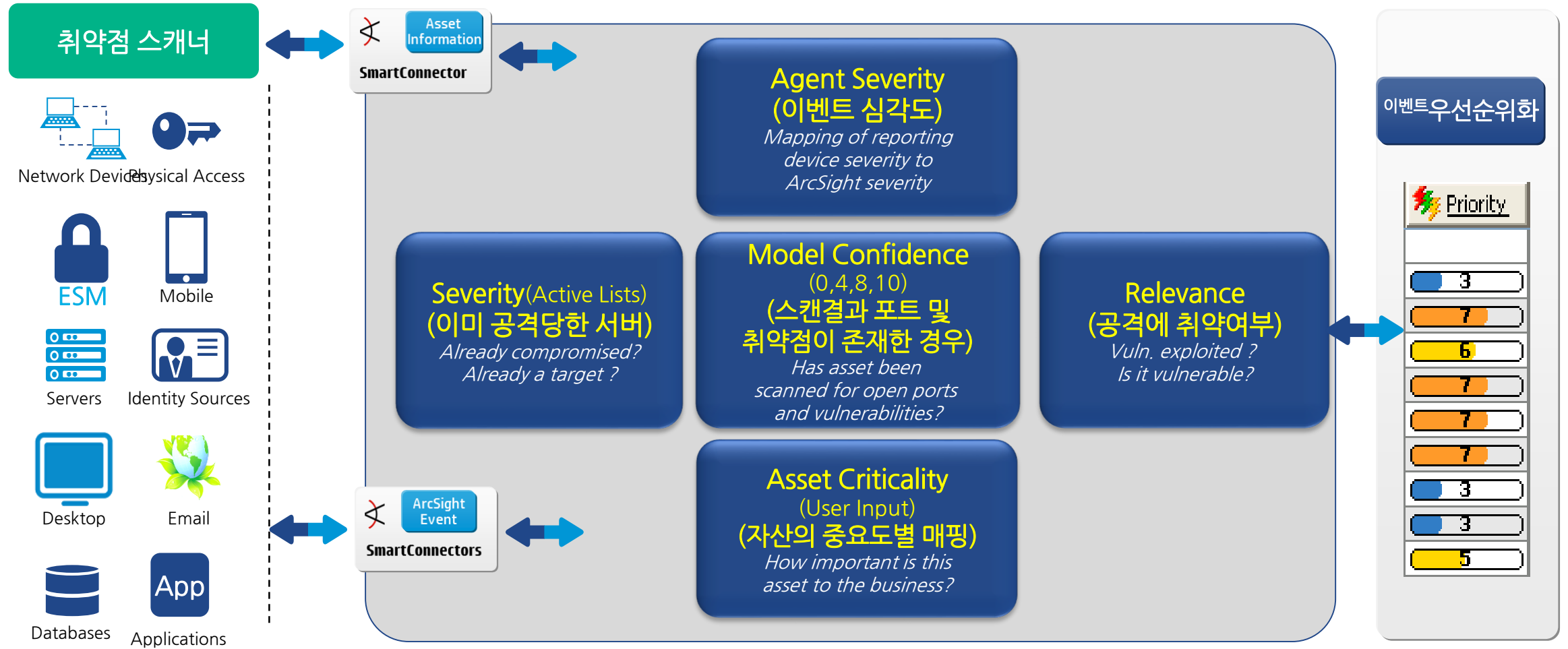
Deployment cost is lower given ArcSight's reduced hardware footprint from efficient compression and high ingestion rates. ArcSight Event Broker acts as a data hub, collecting information at one million events/second. ArcSight Logger can support large SOC operations by allowing 100 concurrent searches. ArcSight is the only open architecture SIEM solution in the market and is better equipped for SOC use cases where multiple products from different vendors are used. By embedding Kafka-based Event Broker, ArcSight collects and sends data anywhere, empowering customers to leverage existing solutions/in-house applications.

ArcSight SIEM functionality in 2 mins



이벤트 필드의 풍부성과 우선 순위화

- 호스트 식별 및 취약점 스캐너 연동을 통하여 보안 이벤트 우선순위화

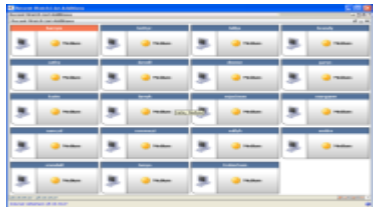


유연한 상관분석 룰 구현

- 인메모리 기반 Active List 활용, 오탐 최소화하여 상관관계분석 및 단계별 공격 대응 가능

• 보이지 않는 위협분석

: ArcSight 분석 Rule에서 탐지한 위협마다 (공격자 IP) 별도 위협 지수 적용, 지속적인 정책 위반 또는 위협도가 높은 공격자를 탐지



Watch List: (1000s)

- Correlation Rule에 의해 탐지된 이벤트
- Policy Violators



Monitored List: (100s)

- 지속적인 Suspicious Activity



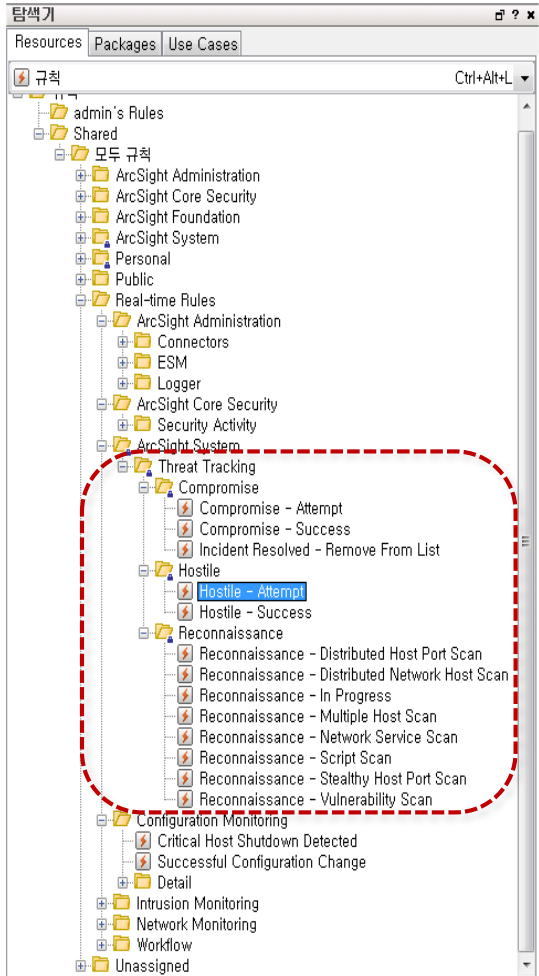
Investigate List: (10)

- 명백한 위협 (예: SQL Injection 중 Select * From 등)
- High Threat Score
- 다중의 위협 (공격)

확실한 위협(해킹공격)과 의심스러운 공격 파악

유연한 상관분석 룰 구현

- 다단계 상관 관계 분석 (Active List 및 다단계 상관 분석 기법 활용)



① 특정 공격자가 네트워크에 스캔을 시도함

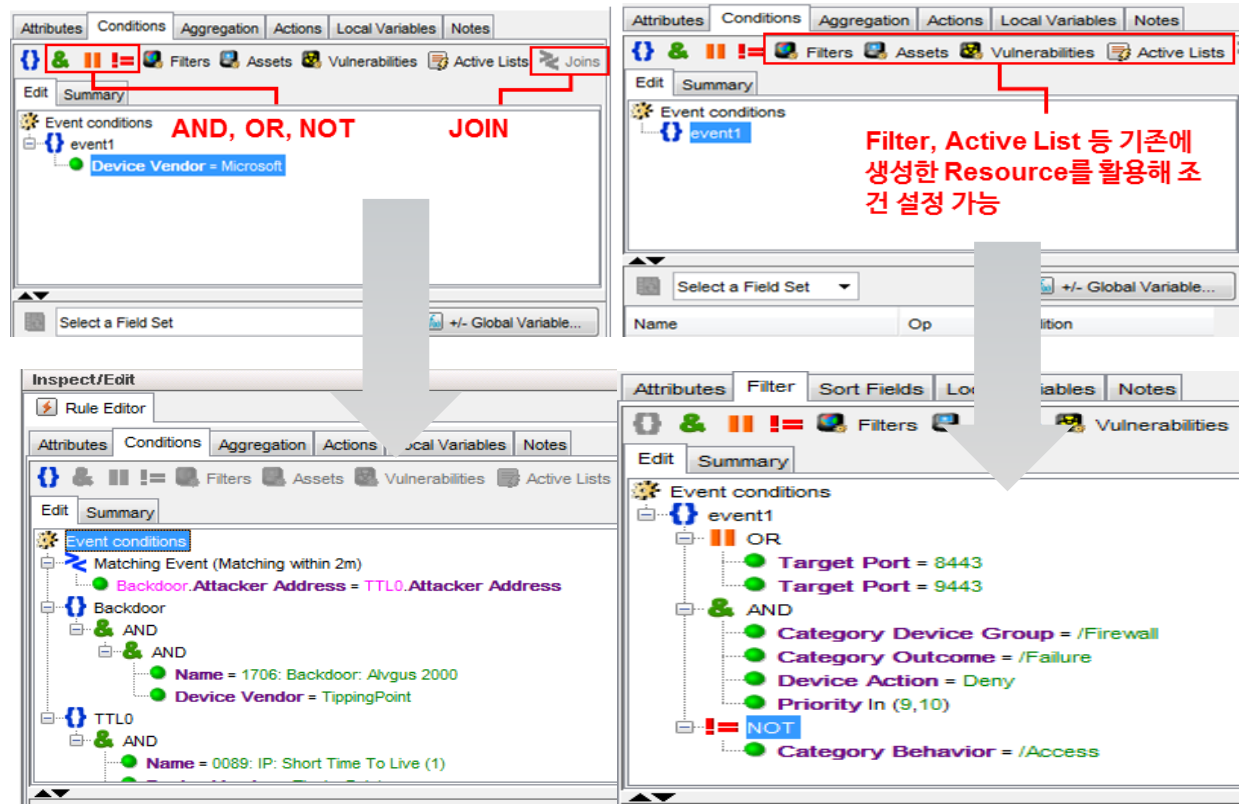
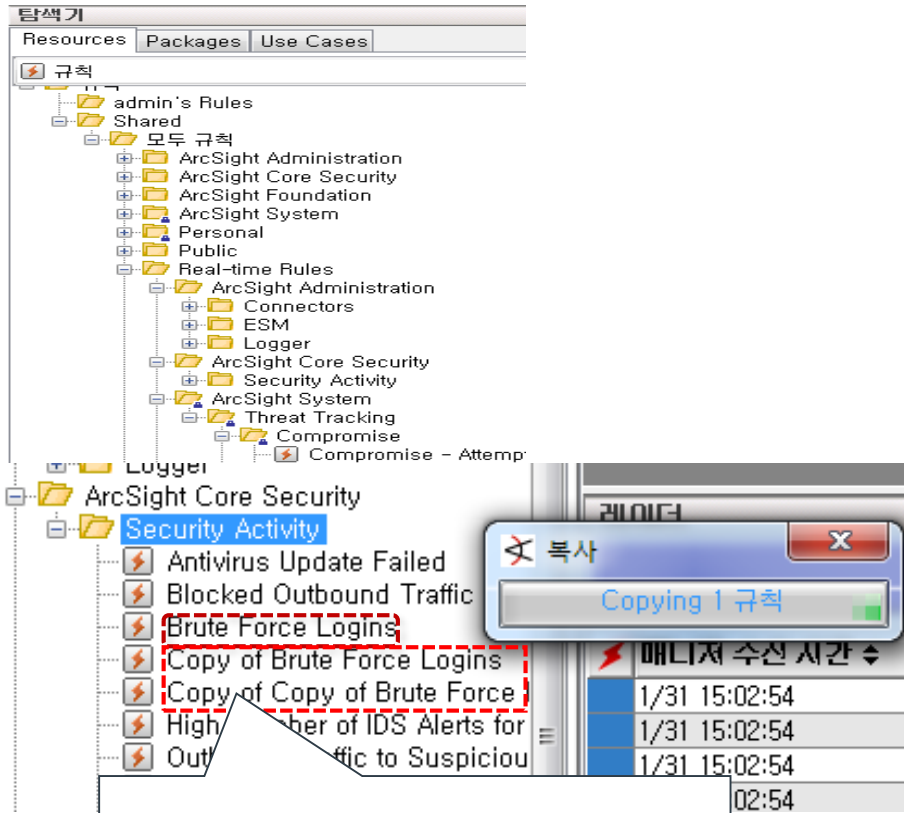
② 몇분 혹은 몇일 후에 동일 공격자가 Brute-Force 공격 시도

③ 동일 공격자가 결국에는 로그인 성공을 함

유연한 상관분석 룰 구현(Context기반 상관분석)

- 복잡한 다단계 룰 생성 및 관리에 용이한 직관적인 단일 GUI 방식

- GUI화면에서 사용자가 직관적으로 이해할 수 있는 연산자와 이벤트 필드의 조합으로 룰셋을 쉽게 생성하며, 재사용 및 복사와 이동이 자유로운 구조로 사용 편리성 제공



취약점 스캐너 연동 사례(3rd Party Context)

- 취약점 스캐너의 점검 결과를 자동으로 연동

The image displays three screenshots from the ArcSight interface illustrating the integration of a third-party vulnerability scanner. The first screenshot shows the 'Assets' view with a tree structure under 'Public Address Space Assets' and 'ARIN', listing IP ranges like '192.0.3.0-192.88.98.255 (ARIN)'. The second screenshot shows the 'Vulnerabilities' view, listing various CVEs such as 'R7 - apache-httpd-cve-2003-0020'. The third screenshot shows the 'Event Inspector' for 'Asset: 192.1.1.151 - wjcr3prd', displaying a list of 'Local Asset Categories' and 'Inherited Asset Categories'. The 'Local Asset Categories' list includes paths like '/All Asset Categories/Site Asset Categories/Open Port/TCP/Port 111' and '/All Asset Categories/Site Asset Categories/Open Port/UDP/Port 161'. The 'Inherited Asset Categories' section shows 'No matching Inherited Asset Categories found.'

취약점 진단 결과로 받은 Assets, open port
취약점 결과 등이 자동으로 ArcSight에 반영

취약점 스캐너 연동 사례(3rd Party Context)

- 취약점 스캐너의 점검 결과를 바탕으로 이벤트에 대한 우선 순위 조정

Manager Receipt Time ↑	Name ↓	Attacker Address ↓	Attacker	Target Address ↓	Target Po	Priority ↓	Device Vendor	Device Severity	Asset Criticality	Model Confidence	Relevance	Severity
10/23/14 9:23:57 PM	1706: Backdoor: Aavgus 2000	10.10.10.105	27184	192.168.0.83	1095	0	TippingPoint	4	10	10	0	5
10/23/14 9:23:55 PM	1576: Backdoor: Back Orifice Communications	10.0.0.11	1034	192.168.0.83	31337	0	TippingPoint	10	10	10	0	5
10/23/14 9:23:52 PM	12138: RDP: Windows Remote Desktop Use After Free (ZDI-12-044)	192.168.1.74	4443	192.168.0.83	3389	4	TippingPoint	1	10	10	10	0
10/23/14 9:23:49 PM	3510: Backdoor: Back Orifice Communications (TCP)	10.10.10.16	3758	192.168.0.83	6666	0	TippingPoint	10	10	10	0	5
10/23/14 9:23:48 PM	2006: Backdoor: Xanadu 1.0	21.23.14.5	31557	192.168.0.83	1258	4	TippingPoint	4	10	10	5	5
10/23/14 9:23:45 PM	1892: Backdoor: NokNok 5.0/6.0/7.0	10.10.10.105	5400	192.168.0.83	1028	0	TippingPoint	4	10	10	0	5
10/23/14 9:23:44 PM	1706: Backdoor: Aavgus 2000	10.10.10.105	27184	192.168.0.83	1095	0	TippingPoint	4	10	10	0	5
10/23/14 9:23:43 PM	1706: Backdoor: Aavgus 2000	10.10.10.105	27184	192.168.0.83	1095	0	TippingPoint	4	10	10	0	5
10/23/14 9:23:42 PM	1576: Backdoor: Back Orifice Communications	10.0.0.11	1034	192.168.0.83	31337	0	TippingPoint	10	10	10	0	5
10/23/14 9:23:41 PM	1576: Backdoor: Back Orifice Communications	10.0.0.11	1034	192.168.0.83	31337	0	TippingPoint	10	10	10	0	5
10/23/14 9:23:39 PM	3510: Backdoor: Back Orifice Communications (TCP)	10.10.10.16	3758	192.168.0.83	6666	0	TippingPoint	10	10	10	0	5
10/23/14 9:23:38 PM	2006: Backdoor: Xanadu 1.0	21.23.14.5	31557	192.168.0.83	1258	4	TippingPoint	4	10	10	5	5
10/23/14 9:23:35 PM	1892: Backdoor: NokNok 5.0/6.0/7.0	10.10.10.105	5400	192.168.0.83	1028	0	TippingPoint	4	10	10	0	5
10/23/14 9:23:33 PM	1706: Backdoor: Aavgus 2000	10.10.10.105	27184	192.168.0.83	1095	0	TippingPoint	4	10	10	0	5
10/23/14 9:23:31 PM	1576: Backdoor: Back Orifice Communications	10.0.0.11	1034	192.168.0.83	31337	0	TippingPoint	10	10	10	0	5
10/23/14 9:23:28 PM	12138: RDP: Windows Remote Desktop Use After Free (ZDI-12-044)	192.168.1.74	4443	192.168.0.83	3389	4	TippingPoint	1	10	10	10	0
10/23/14 9:23:27 PM	3510: Backdoor: Back Orifice Communications (TCP)	10.10.10.16	3758	192.168.0.83	6666	0	TippingPoint	10	10	10	0	5
10/23/14 9:23:25 PM	2006: Backdoor: Xanadu 1.0	21.23.14.5	31557	192.168.0.83	1258	4	TippingPoint	4	10	10	5	5
10/23/14 9:23:24 PM	1892: Backdoor: NokNok 5.0/6.0/7.0	10.10.10.105	5400	192.168.0.83	1028	0	TippingPoint	4	10	10	0	5
10/23/14 9:23:21 PM	1706: Backdoor: Aavgus 2000	10.10.10.105	27184	192.168.0.83	1095	0	TippingPoint	4	10	10	0	5

Asset : 192.168.0.83 - WIN-P3TE7G4GQOR

Asset : 192.168.0.83 - WIN-P3TE7G4GQOR

Attributes Categories Alternate Interfaces Vulnerabilities Notes

Local Asset Categories

- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 3389
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 135
- /All Asset Categories/Site Asset Categories/Operating System/Windows Server 2008 R2, Enterprise Edition 8
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 8443
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 8444
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 9090
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 49152
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 49153
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 49154
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 49155
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 49169
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 49172
- /All Asset Categories/Site Asset Categories/Scanned/Open Ports
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 445
- /All Asset Categories/Site Asset Categories/Open Port/TCP/Port 139
- /All Asset Categories/Site Asset Categories/Open Port/UDP/Port 137

- 12138: RDP: Windows Remote Desktop Use After Free (ZDI-12-044) 는 Relevance가 10임. Scanner스캔 결과 RDP서비스인 TCP 3389번 포트에서 취약점이 발견되었기 때문에 Device Severity는 1이 있지만 전체적인 Priority는 4로 설정됨
- 3510: Backdoor: Back Orifice Communications (TCP)는 Relevance가 0임. Scanner 스캔 결과 열려진 포트가 없는데 공격이 시도 되었기 때문임 공격의 impact가 없다 판단.. 결과적으로 Priority가 0으로 떨어짐

네트워크 포렌식 연동 사례 (3rd Party Context)

- 기존에 설치된 네트워크 포렌식 솔루션과 연동하여 보다 효과적인 관제 수행



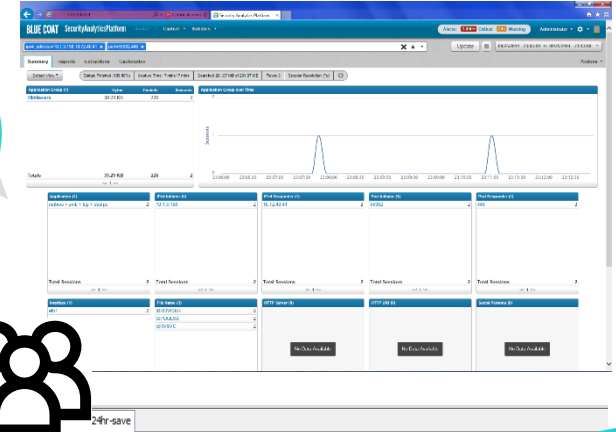
Blue Coat SAP
(네트워크 패킷 및 세션
기반 분석/저장)

실시간 이상 트래픽 탐지 Alerts



ArcSight SIEM

실시간
상관분석



API 연동을 통한 상세분석

1. Rule 생성

Create a Favorite

Name: Malware 탐지

Filter: malware

Shared

- Known Malware Passwords
- Known Malware Passwords
- file_blade_malware_verdict
- mail_blade_malware_verdict
- web_blade_malware_verdict

2. 이상 트래픽 Rule 정의

비정상 프로토콜 등록

- Non Standard DNS
- Non Standard DNS Port
- Non Standard FTP
- Non Standard FTP Port
- Non Standard HTTP
- Non Standard HTTP Port
- Non Standard HTTPS
- Non Standard HTTPS Port

Scan 툴 등록

Security Scanner UserAgents

- user_agent-nmap
- user_agent-nikto
- user_agent-whatweb
- user_agent-w3af

3. 정책에 따른 Alert

non standard est

Non Standard HTTP Port

ip_v4_address=10.12.47.86*173.194.72.147

port=46246,60

09/12/2013 21:48:32

Viewer

Security Analytics 24hr save

Alert Time: 25 Sep 2014 10:00:00 PDT

End Time: 25 Sep 2014 10:00:00 PDT

Filter: (Agent ID = "Sourcefire-idsman" And Device Vendor = "Sourcefire")

Subscriber Filter: No Filter

Manager	Receipt Time	End Time	Name	Attacker Address	Target Address	Priority	Device Vendor	Device Product
Sourcefire	25 Sep 2014 23:10:13 PDT	25 Sep 2014 23:10:20 PDT	OS-WINDOWS Generic: MspExec.burp...	10.1.1.102	80.136.194.21	Very High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:10:13 PDT	25 Sep 2014 23:11:33 PDT	OS-WINDOWS		732.46.41	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:10:13 PDT	25 Sep 2014 23:11:23 PDT	OS-WINDOWS		232.46.41	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:10:13 PDT	25 Sep 2014 23:11:41 PDT	INDICATOR		732.46.41	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:10:13 PDT	25 Sep 2014 23:11:11 PDT	INDICATOR		8.126.28.149	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:10:13 PDT	25 Sep 2014 23:11:11 PDT	INDICATOR		1.94.26.1	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:10:13 PDT	25 Sep 2014 23:11:11 PDT	INDICATOR		3.27.45	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:10:48 PDT	25 Sep 2014 23:10:56 PDT	INDICATOR		1.137.81.1	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:48 PDT	25 Sep 2014 23:10:38 PDT	INDICATOR		73.241.242.4	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		1.146.221.96	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		73.224.187.57	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		64.83.92.38	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		38.233.28.181	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		73.30.58.25	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		730.140.22	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		139.228.76	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		73.170.70.142	High	Sourcefire	Sourcefire Management Console v5...
Sourcefire	25 Sep 2014 23:09:33 PDT	25 Sep 2014 23:10:42 PDT	EXPLOIT-KC		1.87.233.81	High	Sourcefire	Sourcefire Management Console v5...

Integration Commands

- New Configuration
- Logger Quick Search
- MailBackup (Windows)
- MailBackup (Linux)
- Print Selected Rows
- Refresh
- Pin (Windows)
- Pin (Linux)
- Traceroute (Linux)
- Traceroute (Windows)
- Web Search
- Whois (Linux)
- Whois (Windows)
- Help
- TRM Commands

Investigate In
Security
Analytics

Download Session
Meta Data

Blue Coat Security Analytics

Select a command:

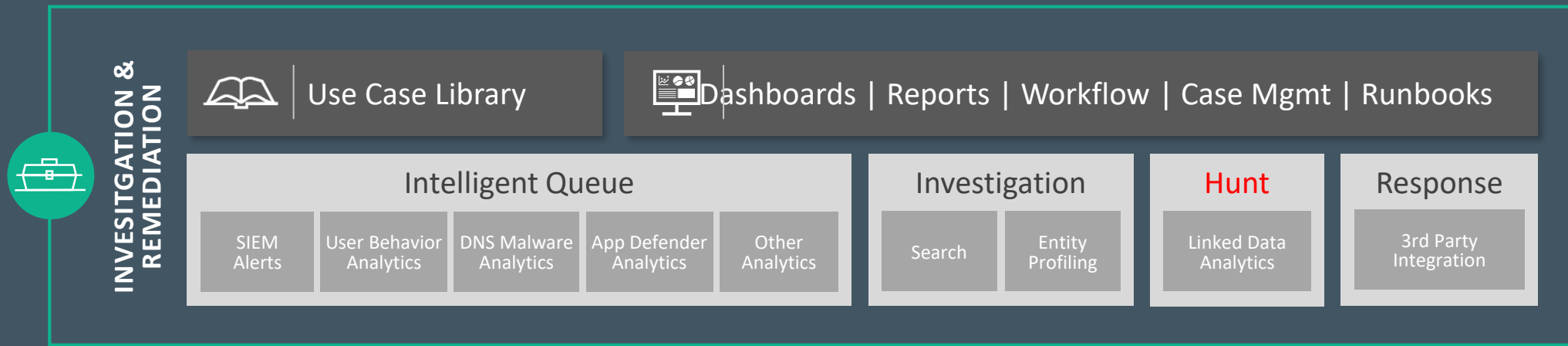
- Security Analytics Investigation
- Security Analytics Meta Data Download
- Security Analytics PCAP Download

Select a target:

- Blue Coat Security Analytics

Download Session
PCAP

What is Hunt?



What is Hunt?

Hunt sits between the SOC, the intelligence team, analytics/data team, and Incident Response

Big Data & Analytics

Unknown unknowns

Finding needles in haystacks

Unknown knowns

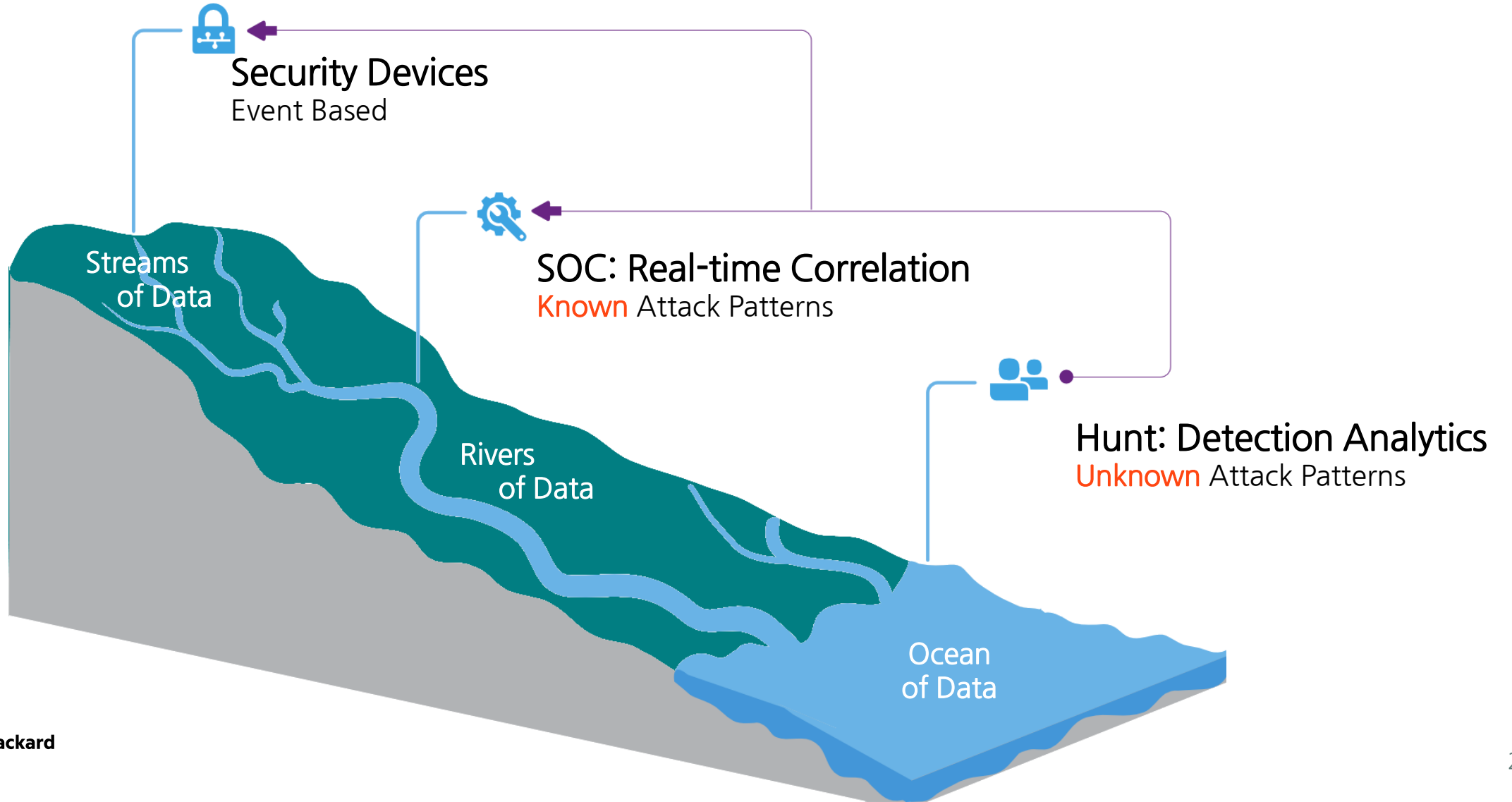
Incident Response

Understanding of business logic of apps and getting logs



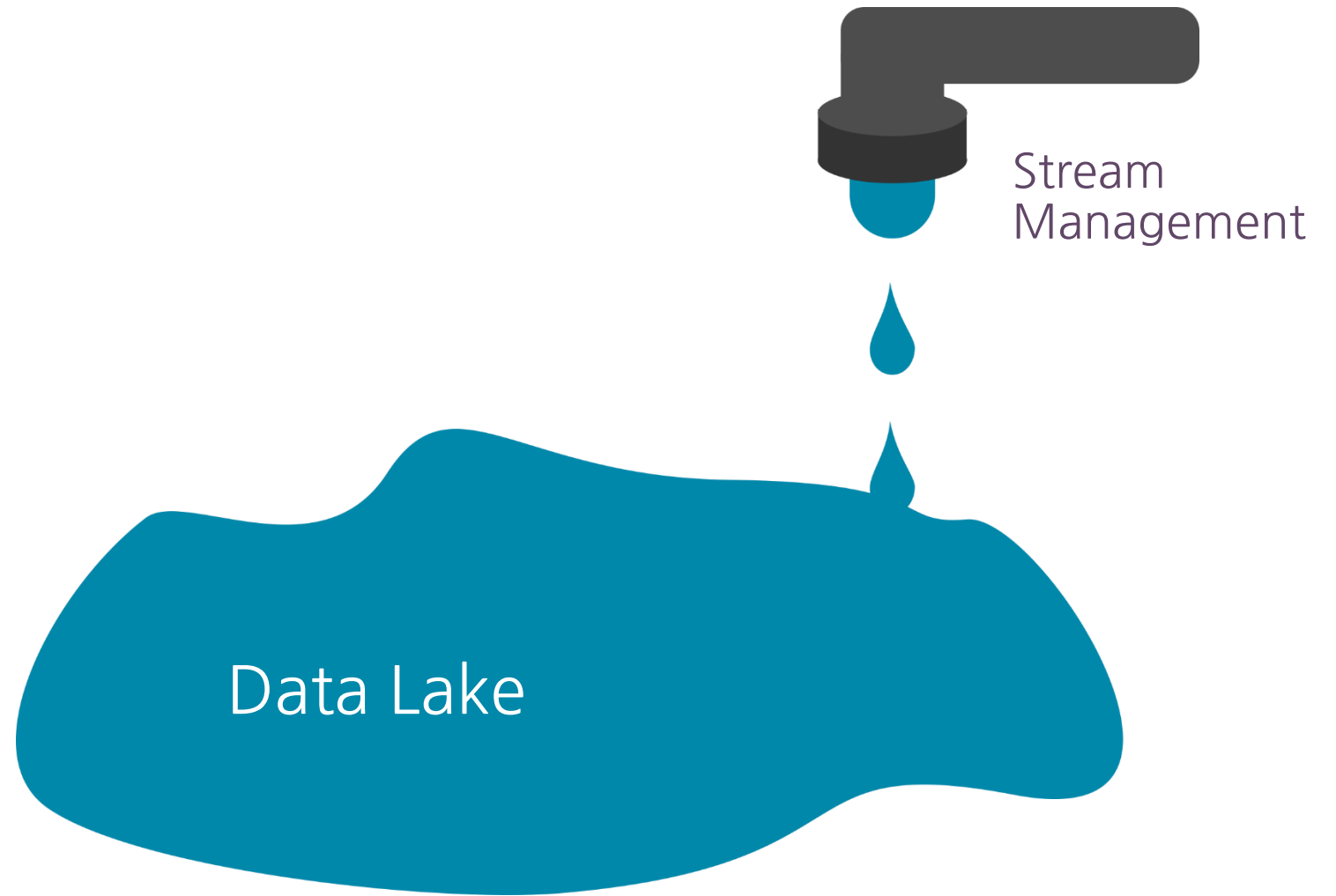
Hunt team이 필요한 이유

보안위협을 찾기위해 데이터 저장 및 처리 속도에 최신 기술을 활용



데이터 통합

Tooling and processes to ensure accurate data collection & persistence.



데이터 탐험(Exploration)

Tooling and processes on your data which provide flexible & capable:

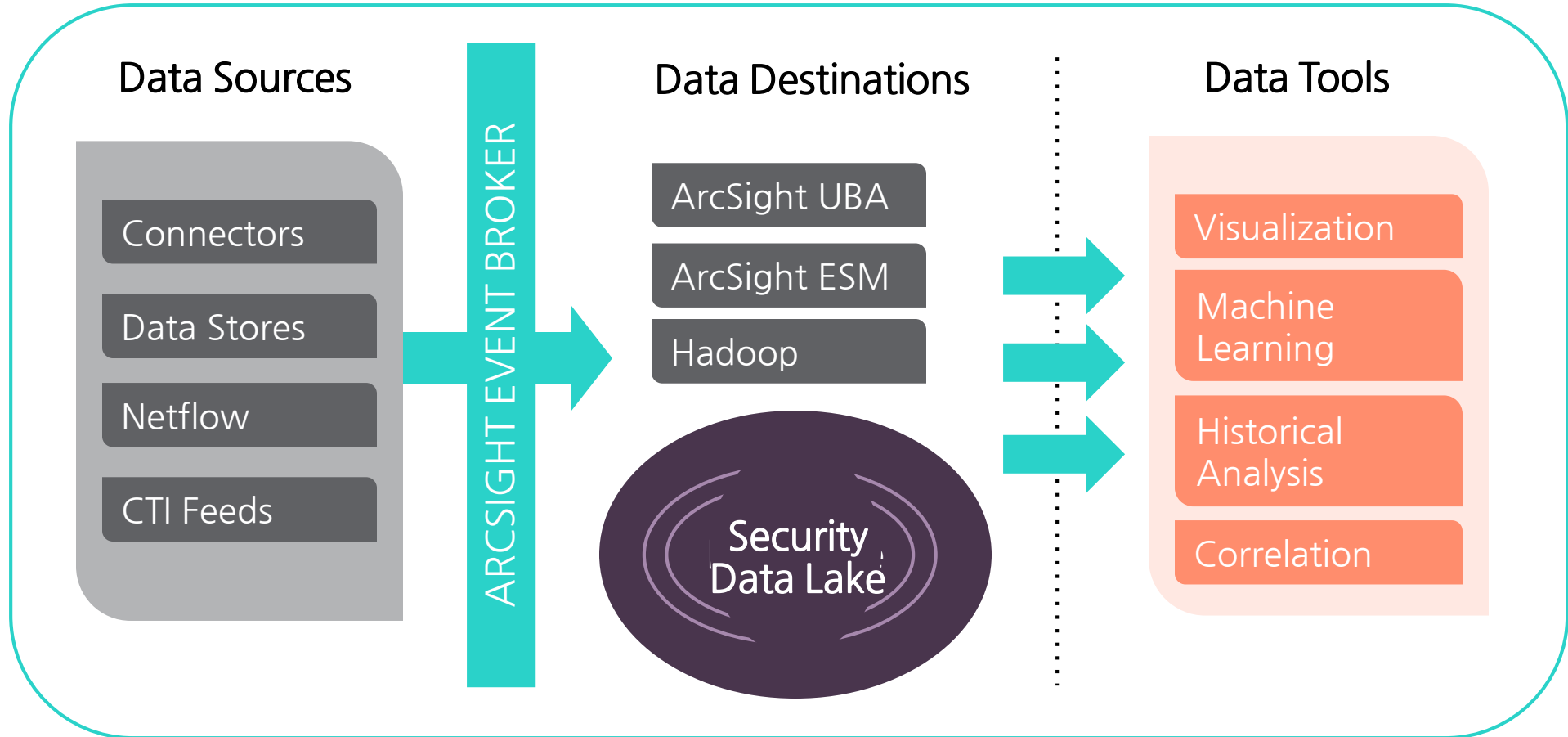
- access
- aggregation
- manipulation



*Sometimes, you need a boat.
Sometimes, a bucket or funnel.*

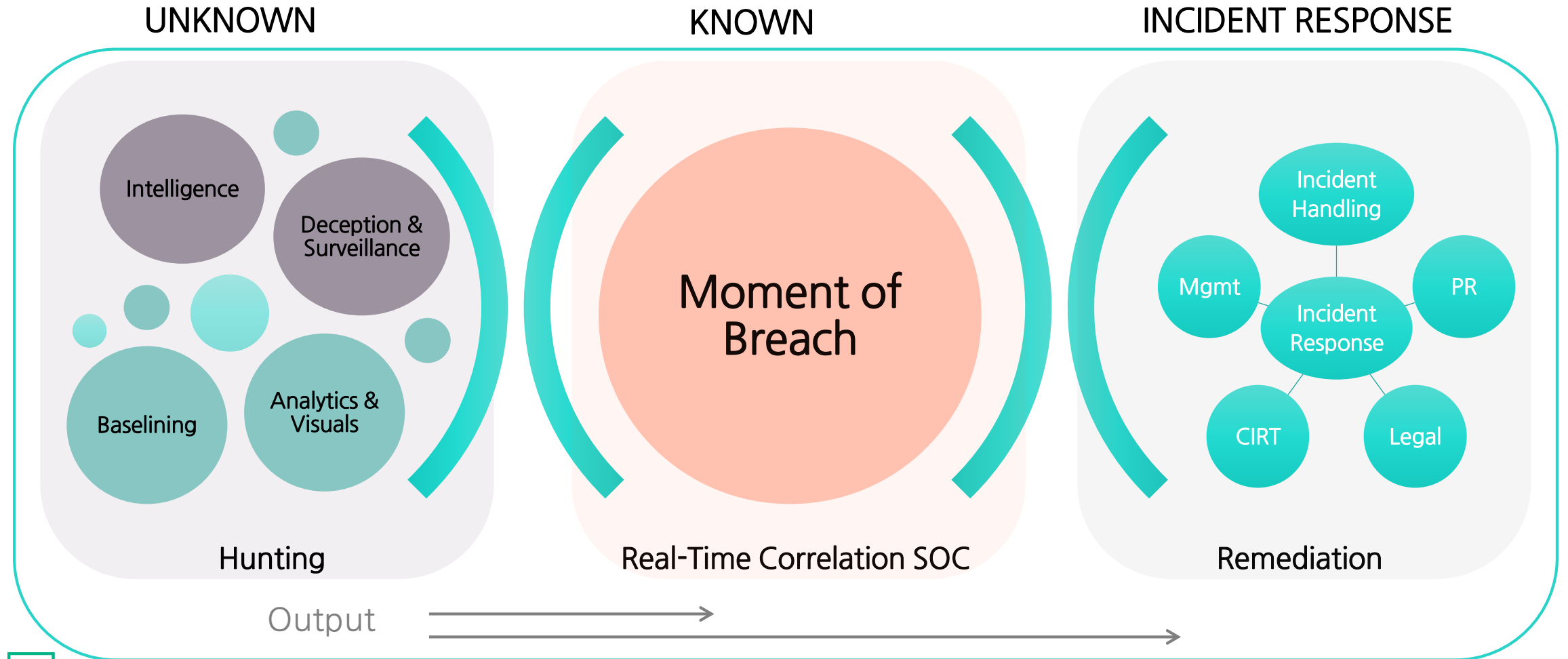
ArcSight는 최적의 hunt 상태에서 데이터 확보를 지원

SOC 담당자(보안 분석가)는 여러 업무 단계에서 데이터 확보가 최우선으로 필요



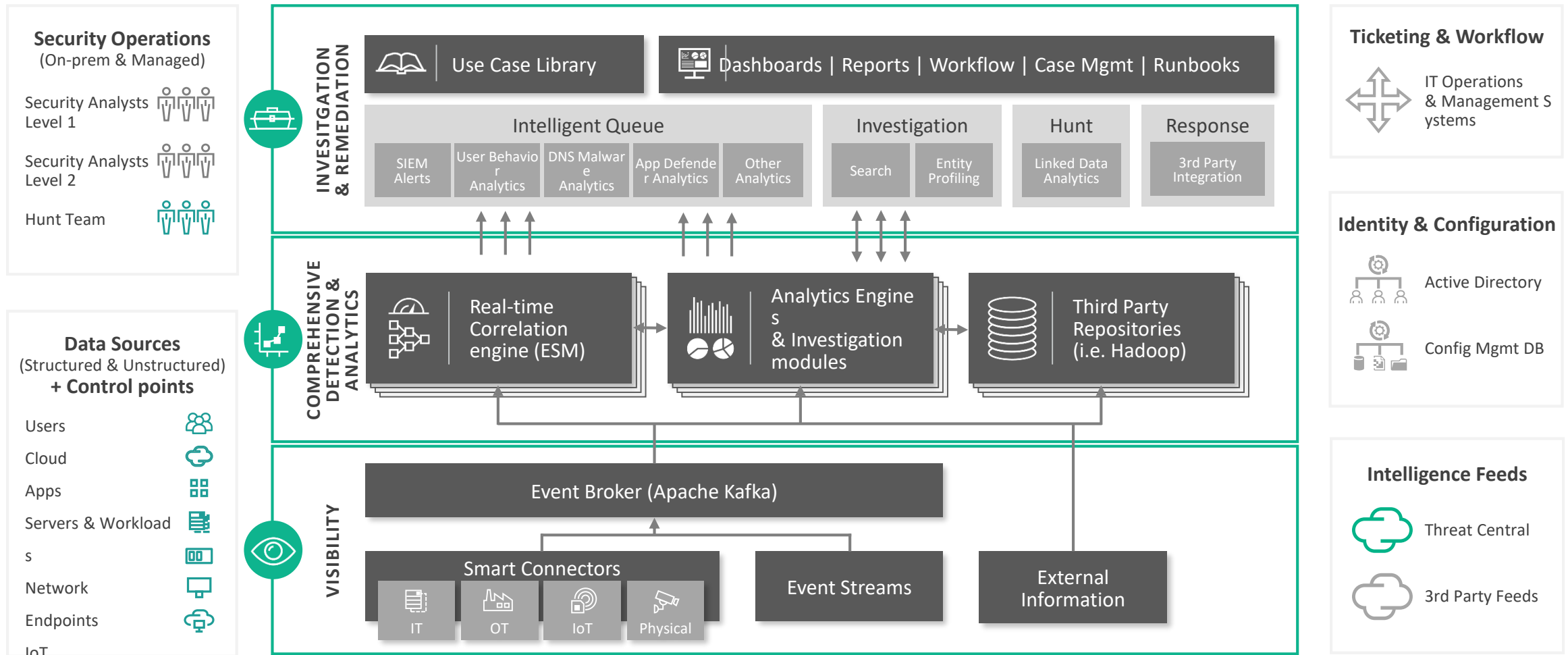
실시간 SOC 역량 강화를 위해 hunt program 필요

Hunting은 알려지지 않은 공격을 알려진 공격으로 바꾸어주며, 실시간 SOC시스템을 새로운 정보로 강화할 수 있는 방법을 제공



ArcSight New Architecture

실시간 상관분석과 빅데이터 분석이 동시에 가능한 개방형 SIEM 플랫폼





감사합니다

ArcSight is not just a SIEM anymore...

It's a Real Time, Modular, Open Source,
Comprehensive Threat and Compliance Management Tool