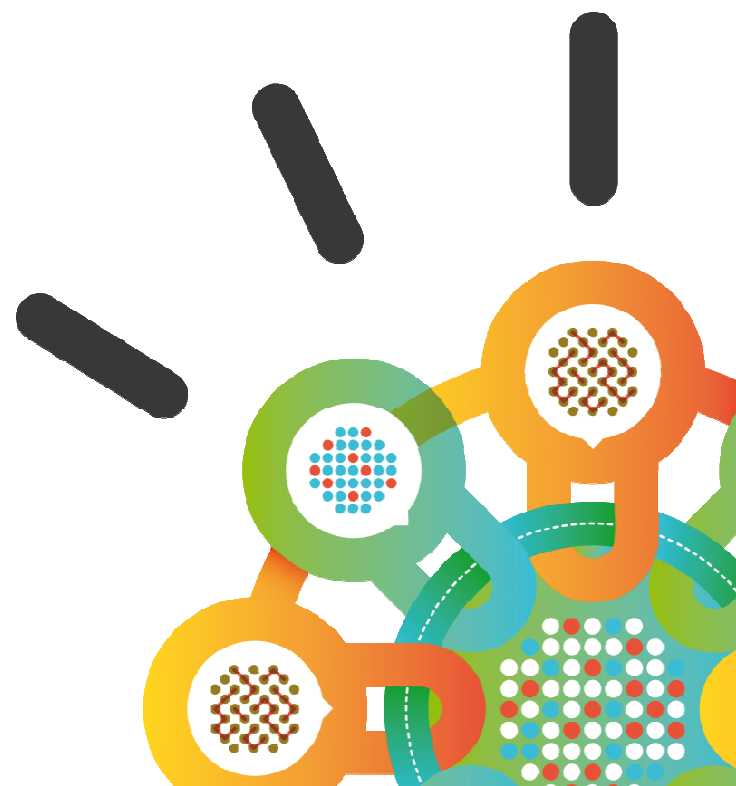
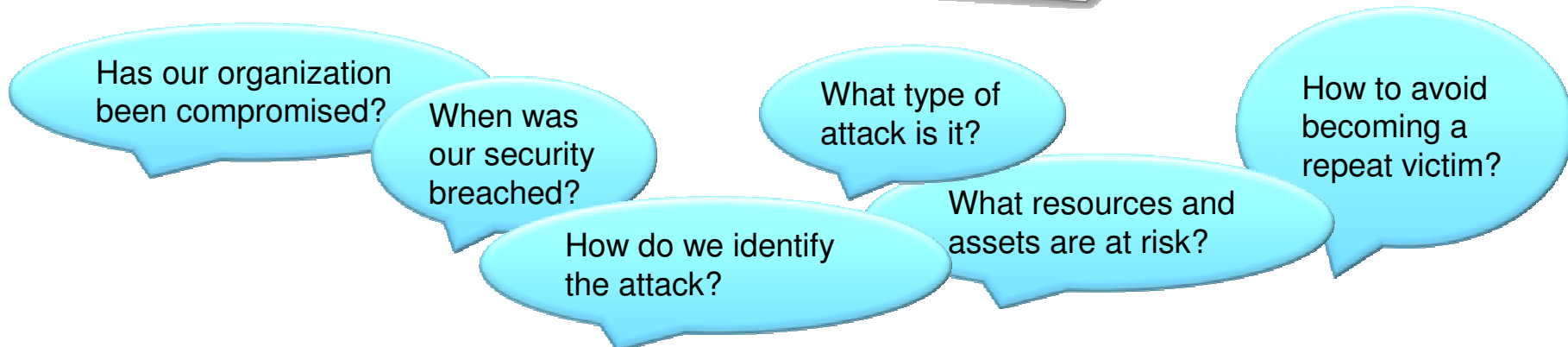
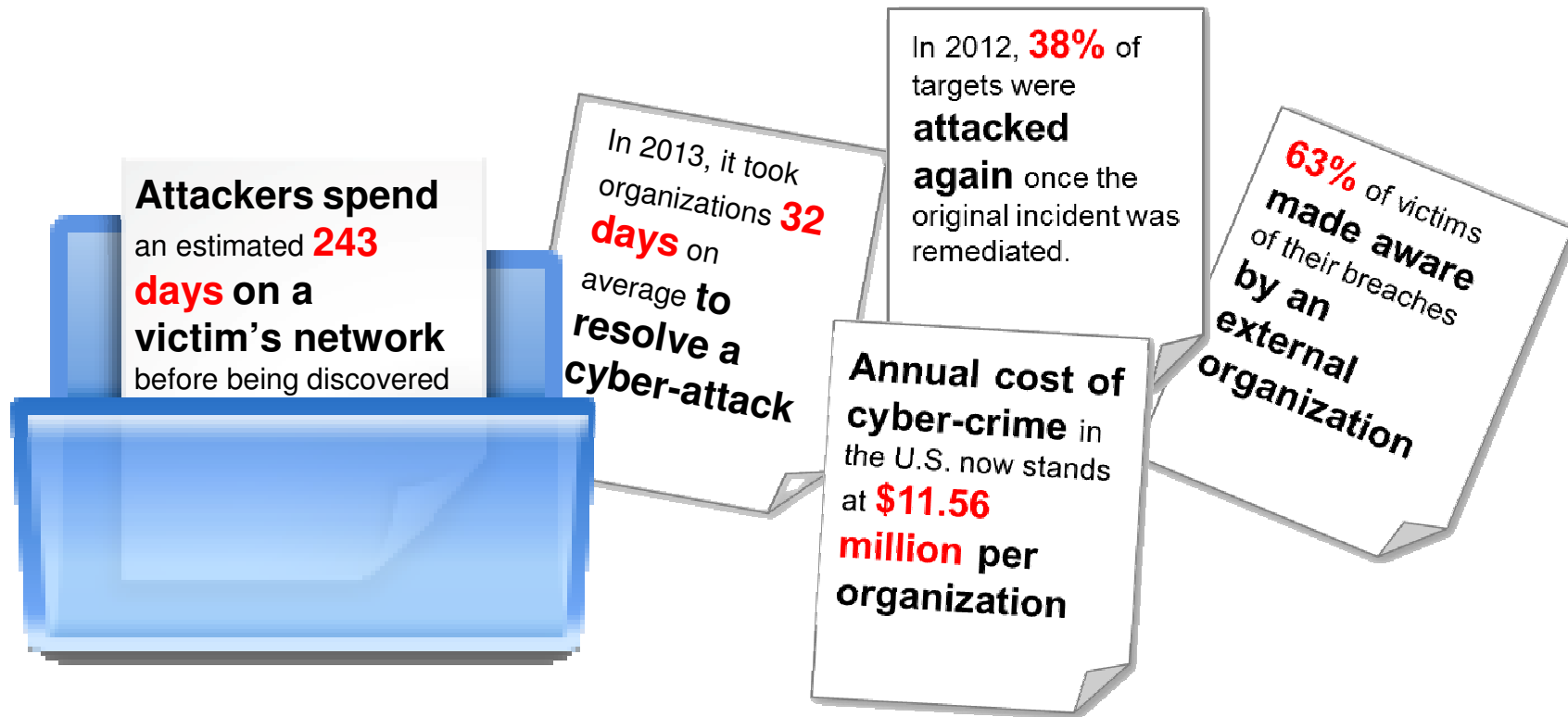

Security Intelligence.
Think Integrated.

IBM SECURITY QRADAR INCIDENT FORENSICS

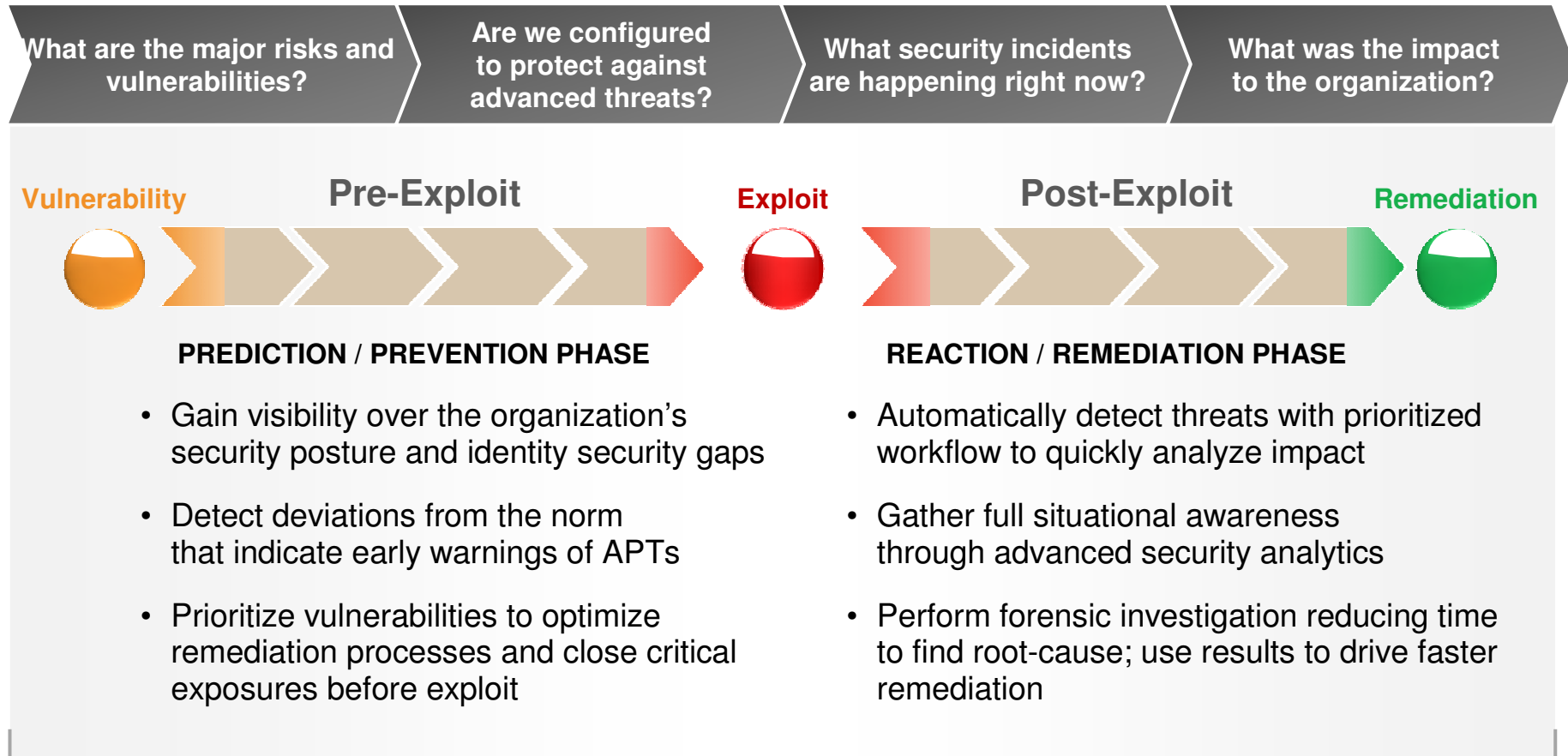
DELIVERING CLARITY TO CYBER
SECURITY INVESTIGATIONS



Harsh realities for many enterprise network CISOs



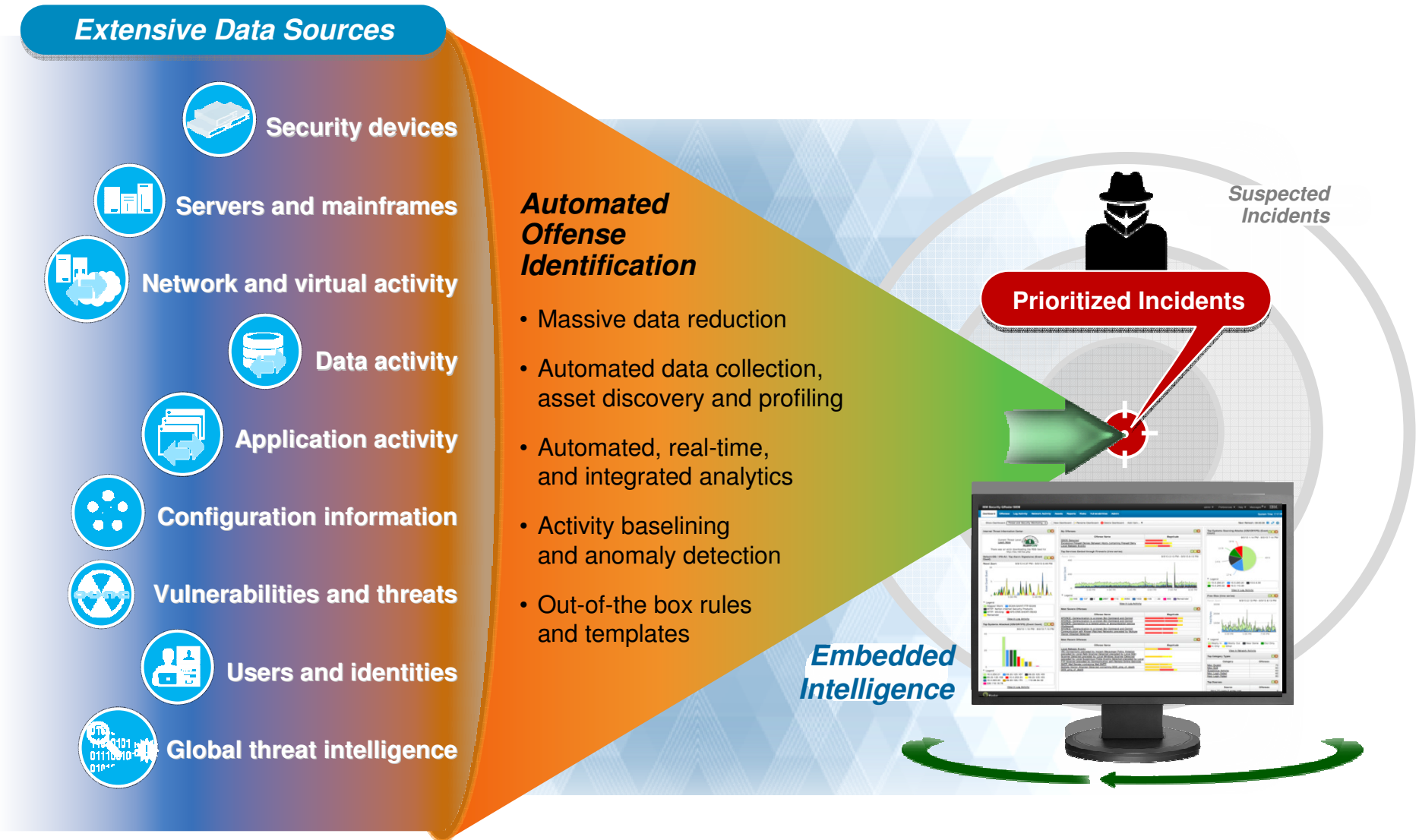
Defending network requires appropriate solutions



Security Intelligence

The actionable information derived from the analysis of security-relevant data available to an organization

Embedded intelligence offers automated offense identification



Today's threats require greater clarity to detect & resolve



Detect unauthorized activities targeting critical assets, uncover the motivations and develop an understanding of the full scope of the risk



Insider Threat Analysis

Find the perpetrator, identify collaborators, pinpoint the systems compromised and document any data losses



Fraud and Abuse

Uncover sophisticated schemes involving multiple seemingly disparate interactions aiming to perform fraudulent or abusive transactions



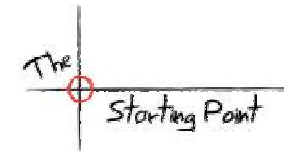
Evidence Gathering

Compile evidence against malicious entities breaching secure systems and deleting or stealing sensitive data

Customer Challenges in Employing Network Forensics

Critical gaps exist in available forensics and threat mitigation offerings to recover from an incident

Difficulty identifying true incidents hidden in mounds of data



Dependency on specialized skills to conduct detailed investigations



Disparate tools with limited intelligence inhibit productivity and efficacy in analysing incidents



Security teams must ***reduce the time to detect and respond to threats***. Confusion and wasted time aid the attacker.

Next generation network forensics: know what happened, fast

Our Security Intelligence platform delivers powerful capabilities IT Security Operations Teams



Introducing QRadar Incident Forensics:

Leveraging the strengths of QRadar to optimize the process of investigating and gathering evidence on advanced attacks and data breaches

Tells you exactly when an incident occurred

- Integrated with QRadar to discover true offenses and prioritize forensics investigations
- Enables search-driven data exploration to return detailed, multi-level results in seconds

Merges powerful forensics capability with simplicity

- Full packet capture for complete session reconstruction
- Unified view of all flow, user, event, and forensic information
- Retrace activity in chronological order

Delivers intelligence to guide forensics investigations

- Visually construct threat actor relationships
- Builds detailed user and application profiles across multiple IDs



How network forensics is done

Full Packet Capture

- Capture packets off the network
- Include other, related structured and unstructured content stored within the network

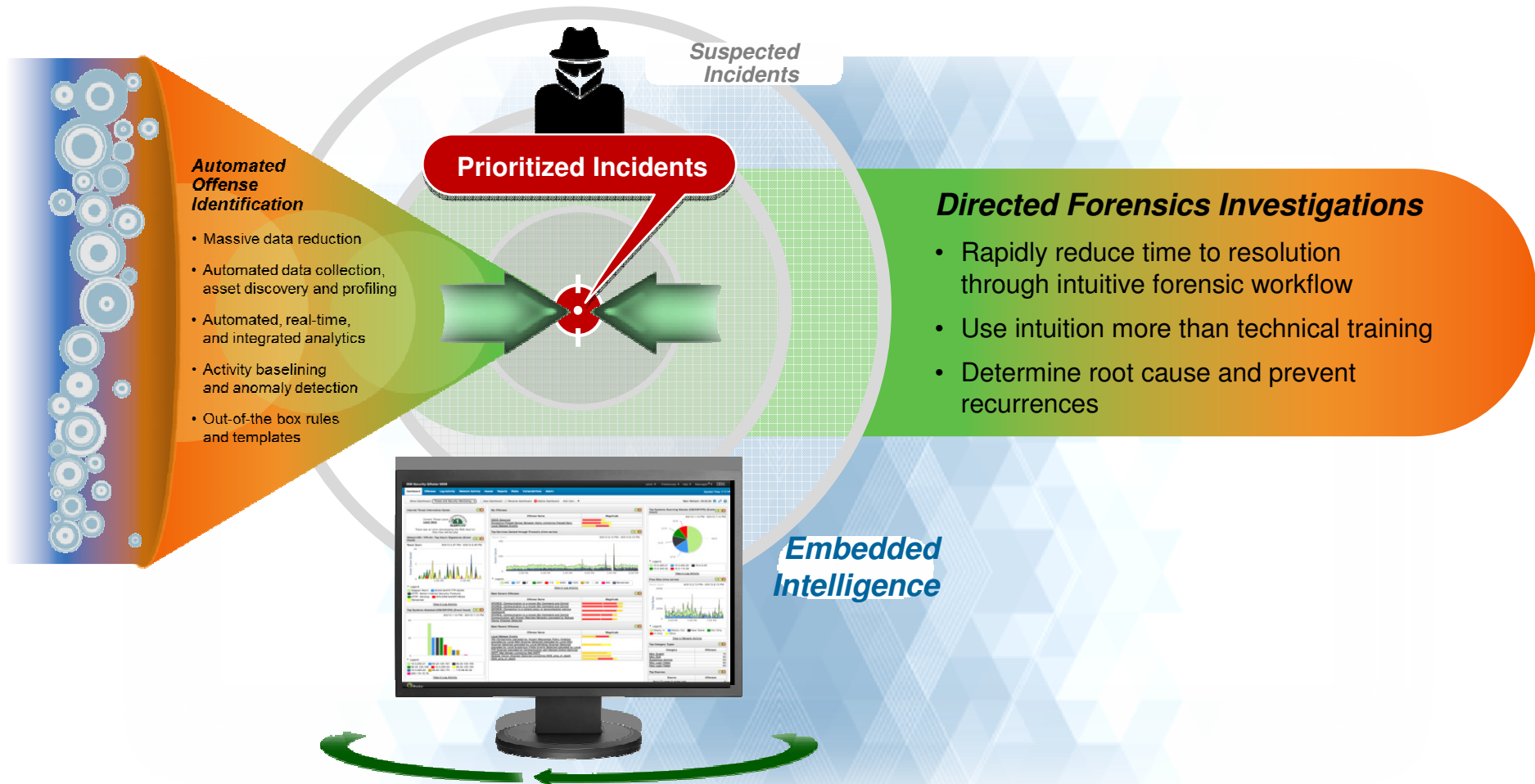
Retrieval & Session Reconstruction

- For a selected security incident, retrieve all the packets (time bounded)
- Re-assemble into searchable documents including full payload displayed in original form

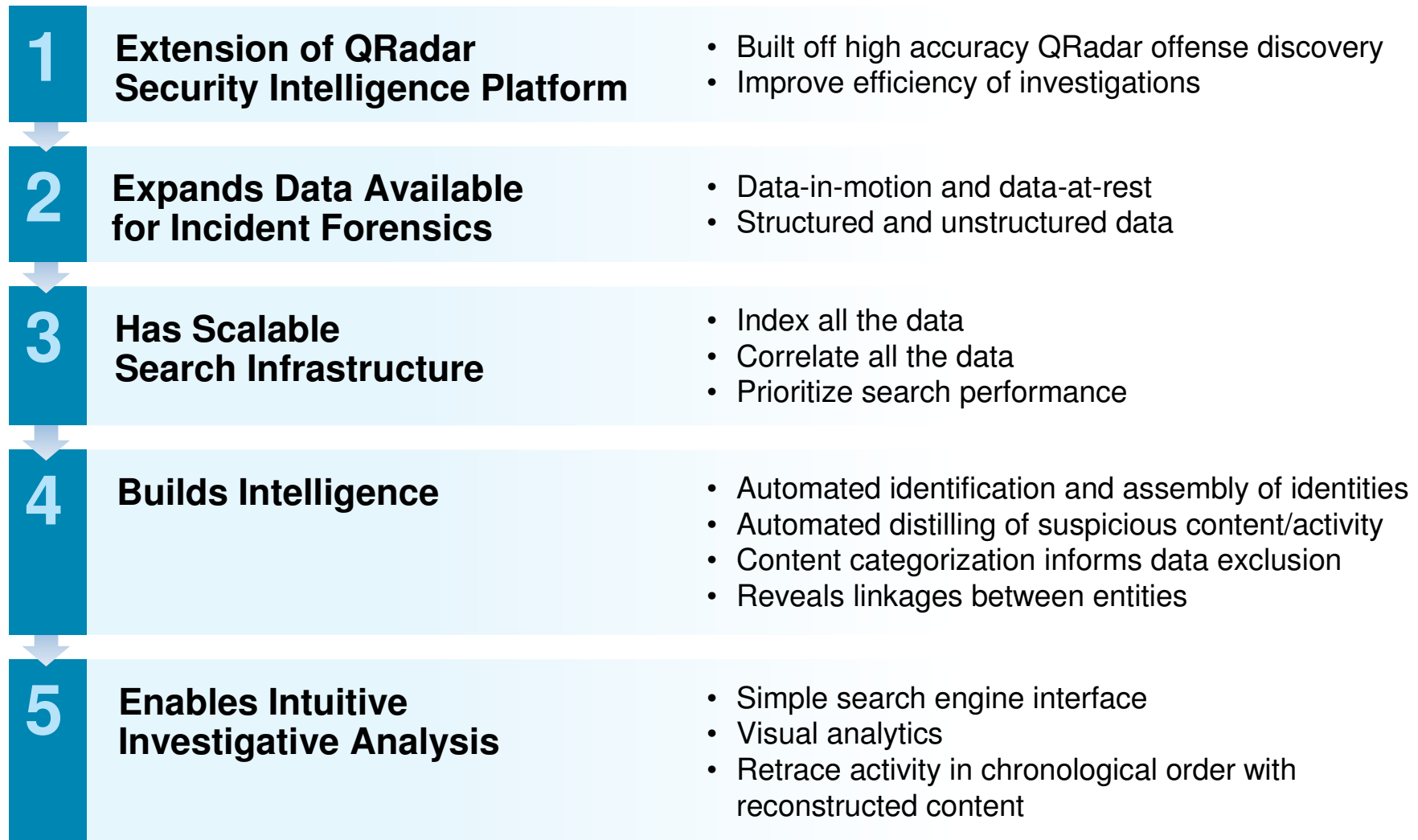
Forensics Activity

- Navigate to uncover knowledge of threats
- Switch search criteria to see hidden relationships

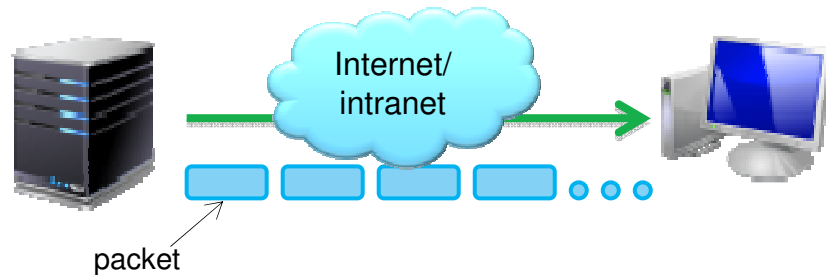
Extend clarity around incidents with in-depth forensics data



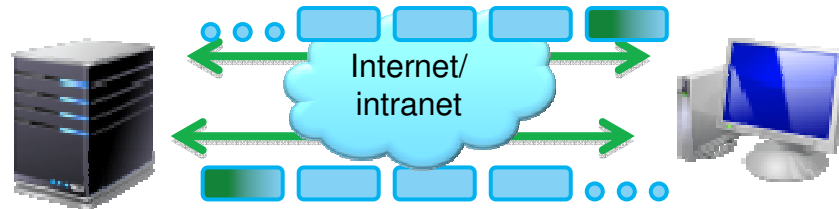
How Network Forensics is Done - with QRadar Incident Forensics



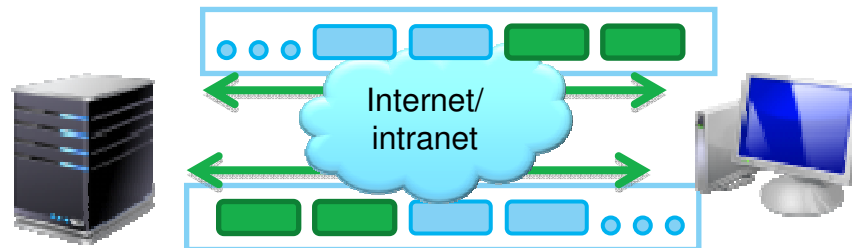
From NetFlow to QFlow to... ..QRadar Incident Forensics



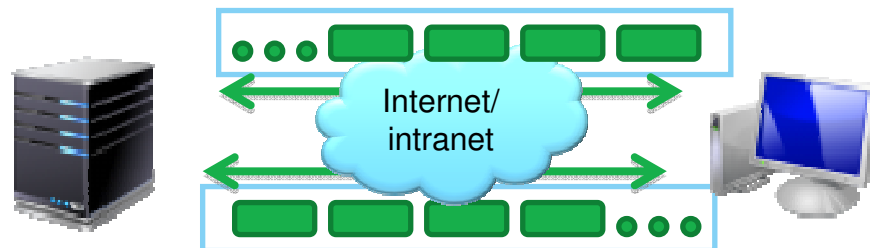
Netflow: packet oriented, identifies unidirectional sequences sharing source and destination IPs, ports, and type of service



QFlow: packet oriented, identifies bi-directional sequences aggregated into sessions, also identifies applications by capturing the beginning of a flow.



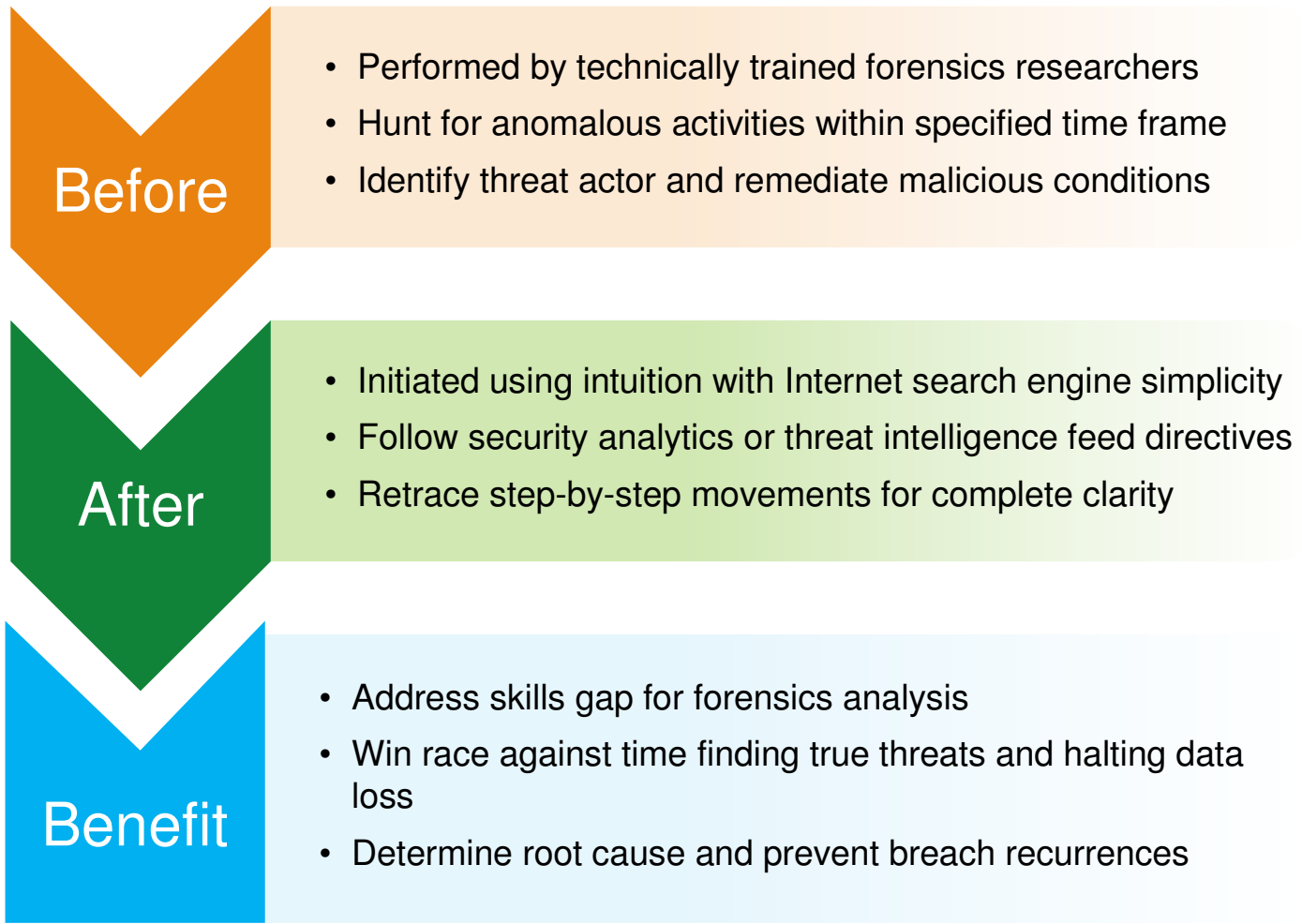
Competitive solutions: session oriented, some only capture a subset of each flow and index only the metadata—not the payload.



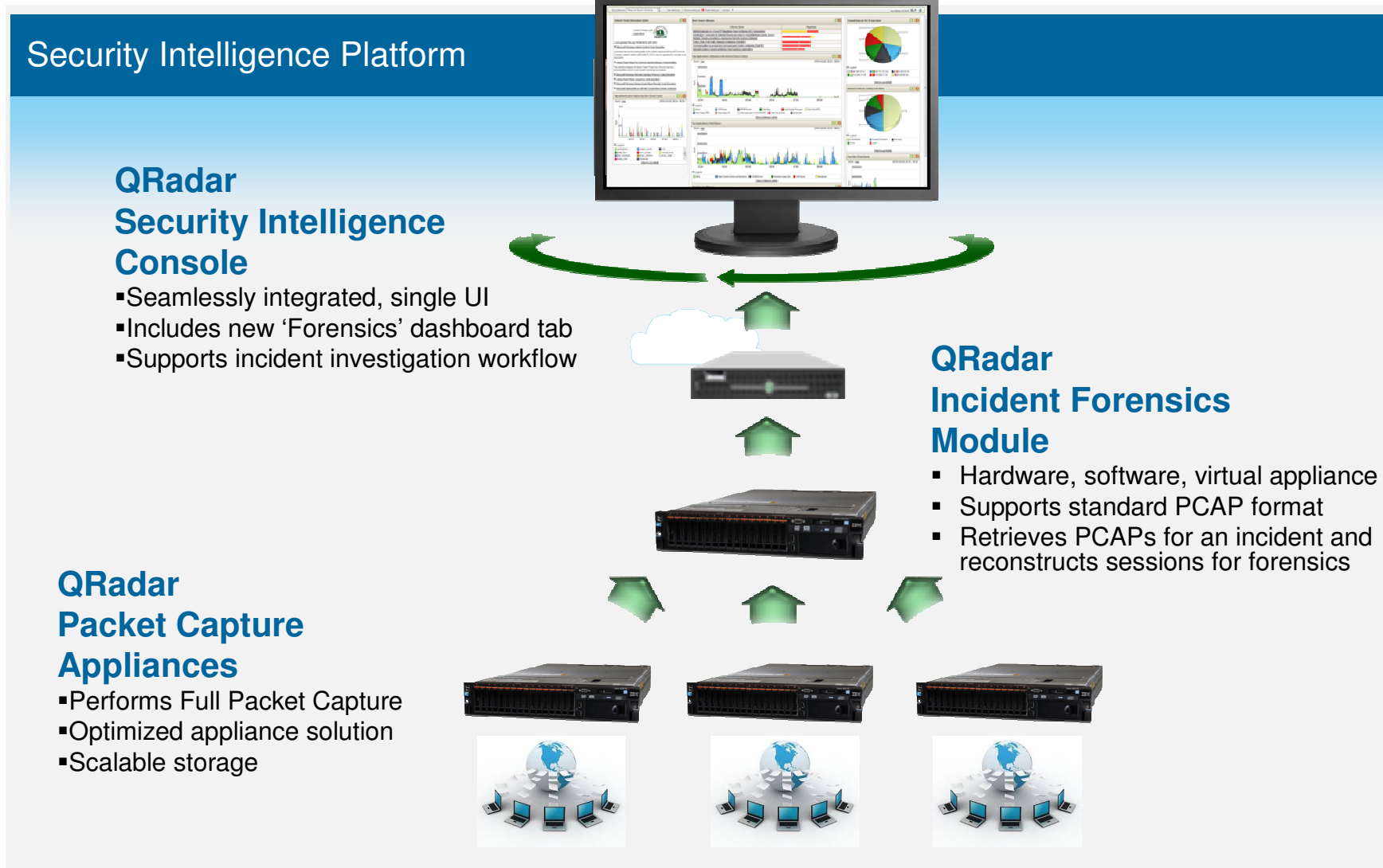
QRadar Incident Forensics: session oriented, captures all packets in a flow indexing the metadata and payload to enable fast search driven data exploration

Changing the dynamics of network forensics activities

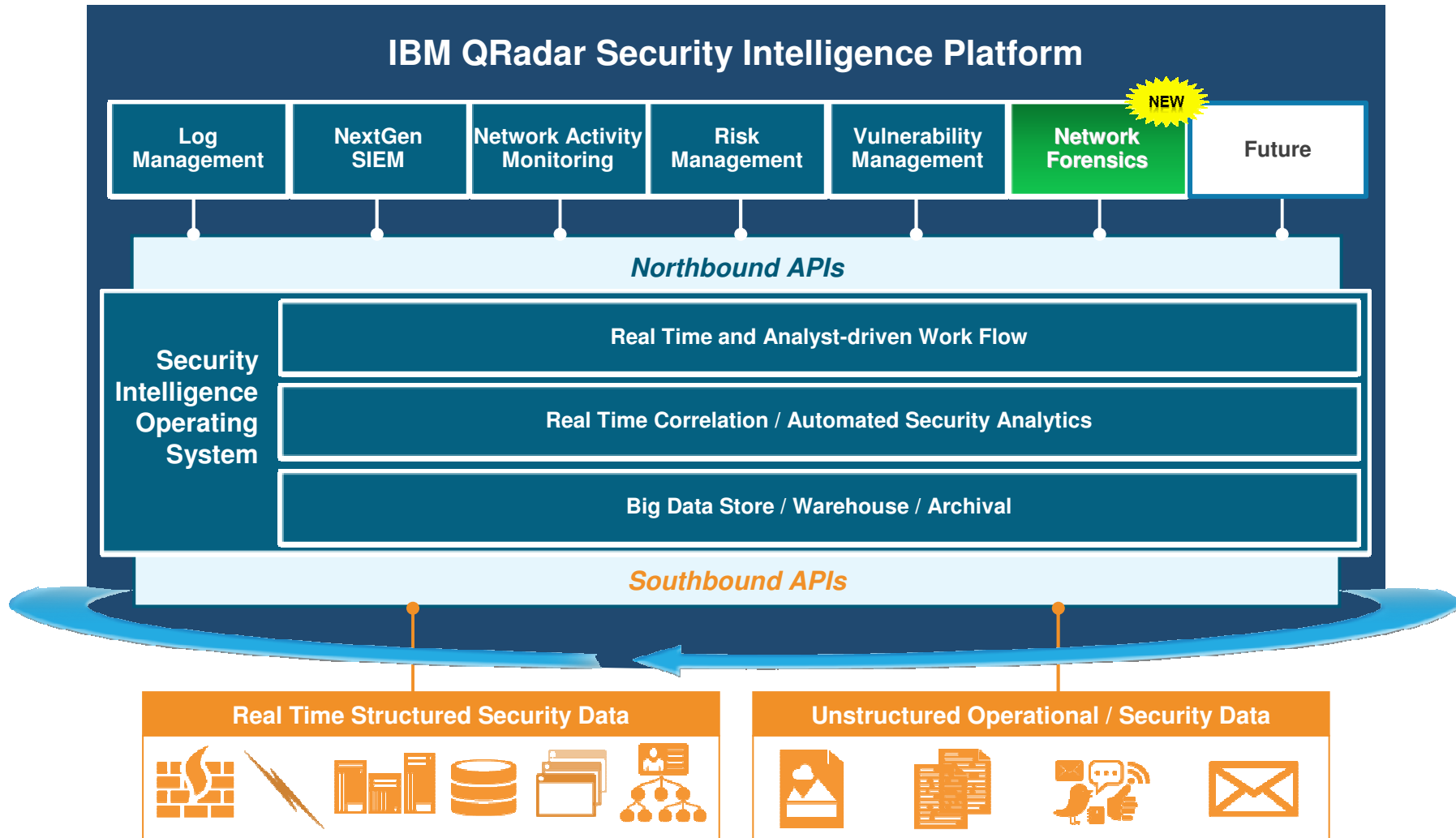
QRadar Incident Forensics helps simplify the task, accelerate results, and ensure better results



IBM Security QRadar Incident Forensics deployment model



Security Intelligence architecture provides continuity with total context





Clarity throughout the lifecycle of a security incident

Proactive formulation of best practices

Use investigative clarity to develop new threat detection methods

Shorten time to remediate an incident

Find the source, block communications, patch vulnerabilities

Mitigate risk of becoming repeat victim

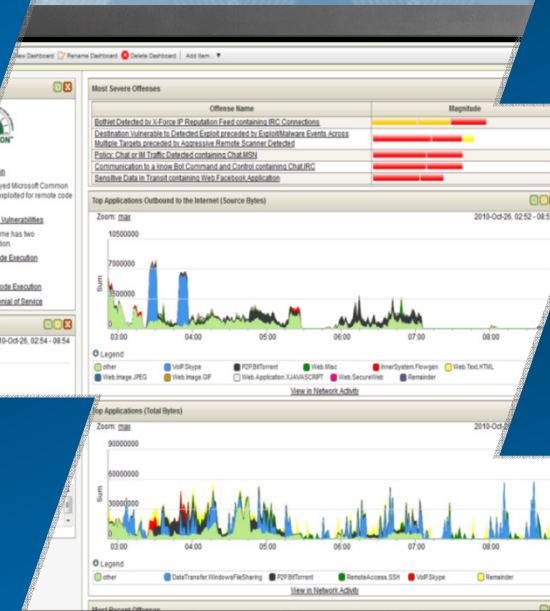
Assess full scope of impact or breach to close gaps in the security posture

Enhance capacity to identify breaches

Detect new attack techniques or previously compromised systems

Detect deviations from compliance protocols

Perform post-mortem analysis on underlying conditions





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Better clarity into user identities

From standard asset identity information

Attacker Summary	
Magnitude	
Description	10.100.50.21
Vulnerabilities	0
Location	Server_Network.Server_Network
User	dwight.spencer
Asset Name	
MAC	
Asset Weight	

To rich visualizations of digital impressions showing extended relationships

