The Future of Threat Prevention

Bricata is the leading developer of Next Generation Intrusion Prevention Systems (NGIPS) technology, providing innovative, disruptive, high-speed, high-performance network security and data protection solutions.

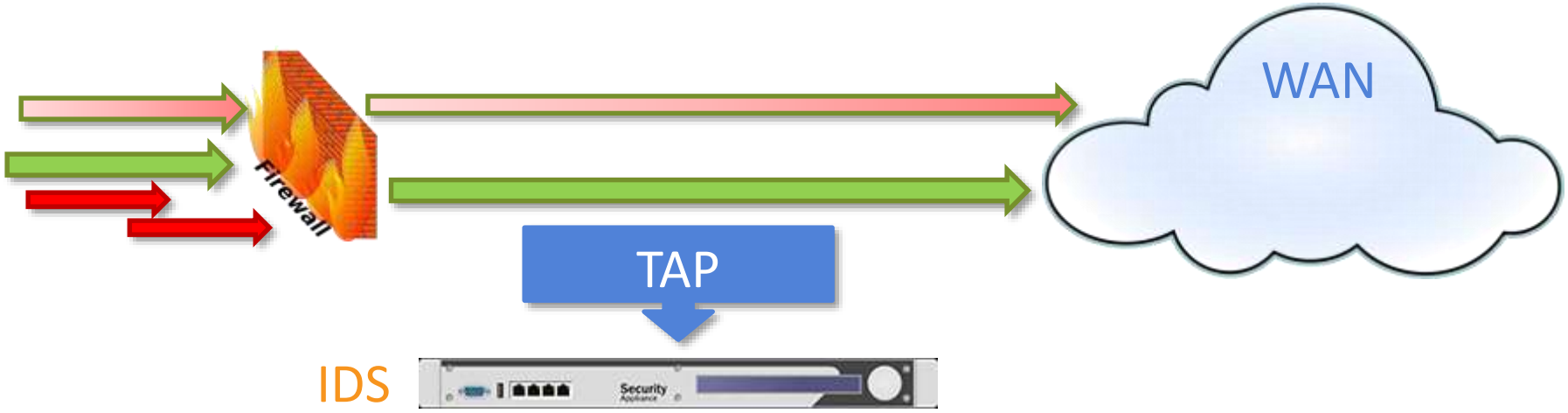
Yasser Mohamed| Senior Sales Engineer

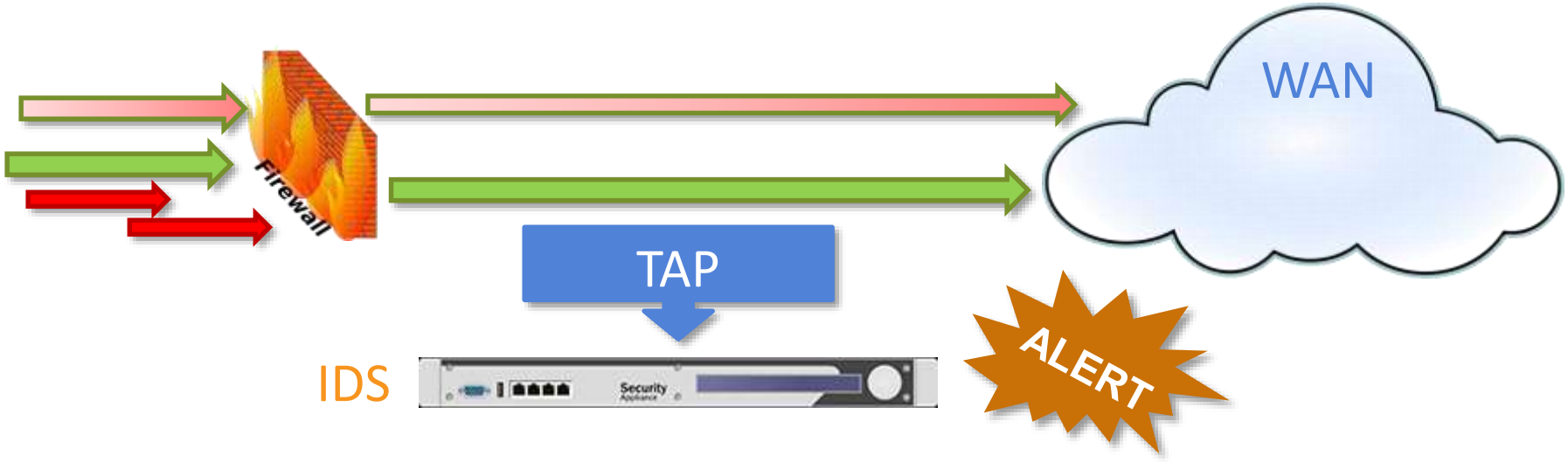
About Bricata - Overview

- Where IDS came from
- How IPS is different
- Current threat landscape and challenges
- How Bricata is different
- Live demo


Firewall
WAN


Firewall
WAN

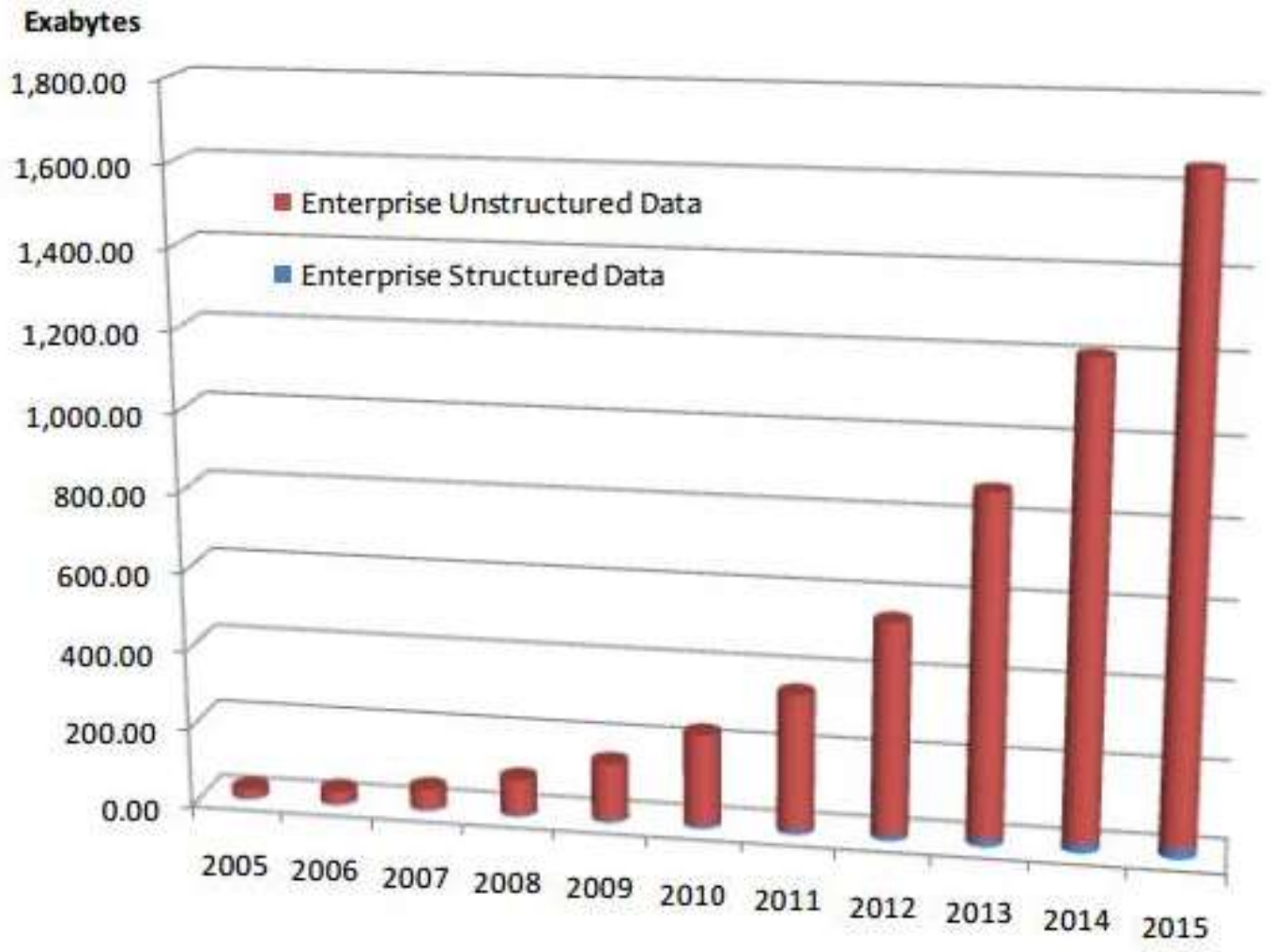

WAN
Firewall
TAP
IDS
Security



- Passive system
- Traffic still passes to destination
- Limited to alerting or TCP resets

- Active system
- Sits in-line and can stop attacks immediately
- Signature based
- Some include heuristic and anomaly detection

Enterprise Data Growth 2005-2015

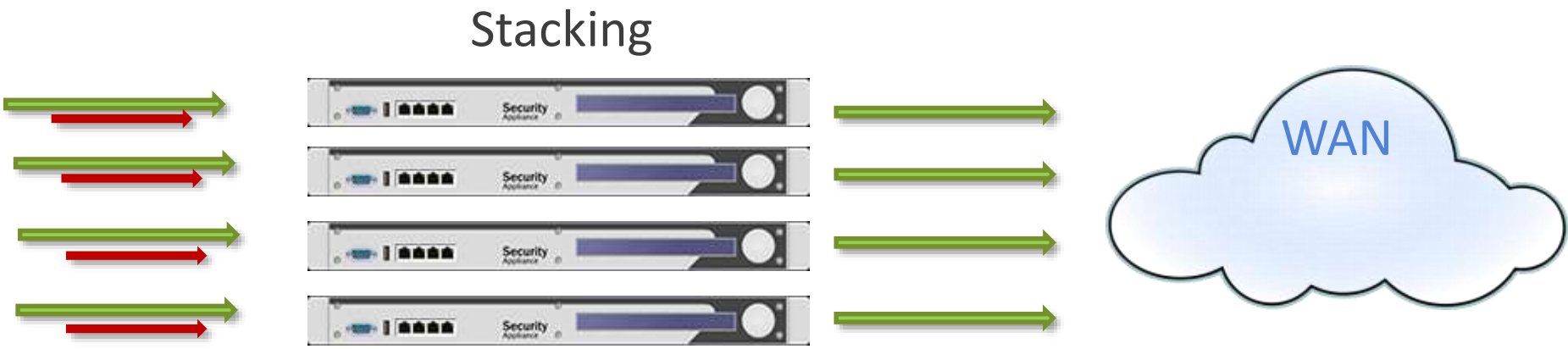


Source: IDC

Data Growth means more data to inspect and process.

Legacy IPS solutions cannot handle the traffic alone.

To keep up with traffic flow increases, devices are stacked.



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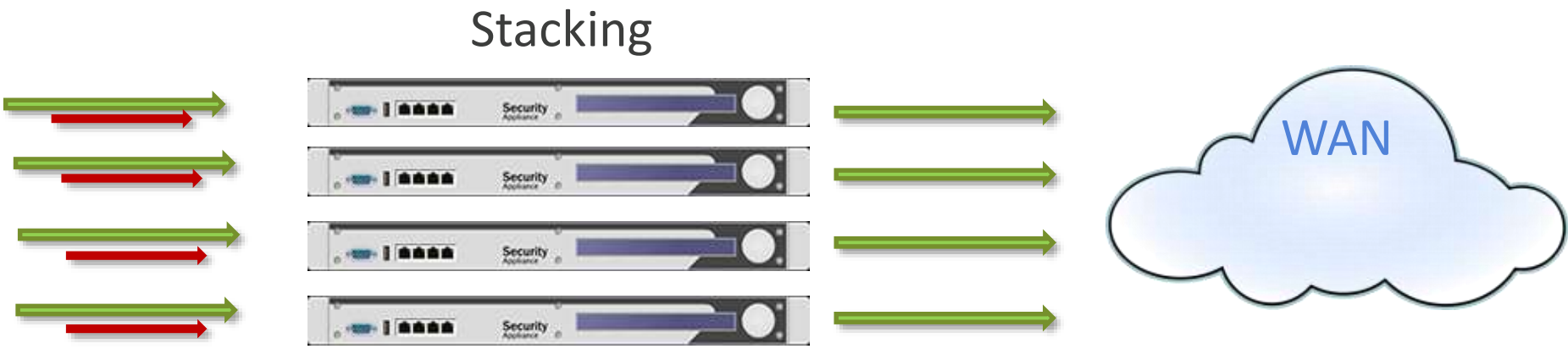
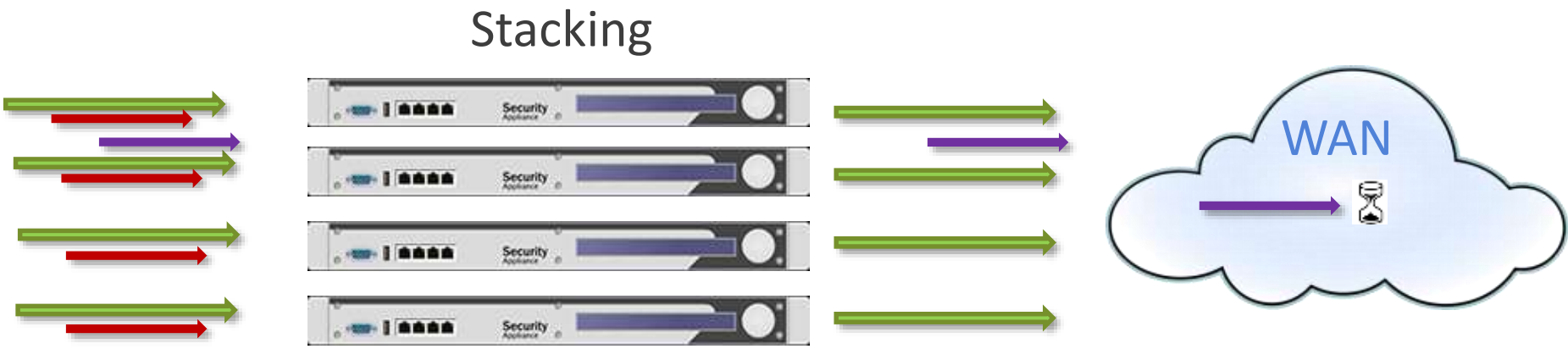


- Expensive
- Hard to manage
- Takes up a lot of space

IPS systems are needed to stop 99% or more of known attacks.
But targeted “Zero-Day” attacks can still compromise organizations.



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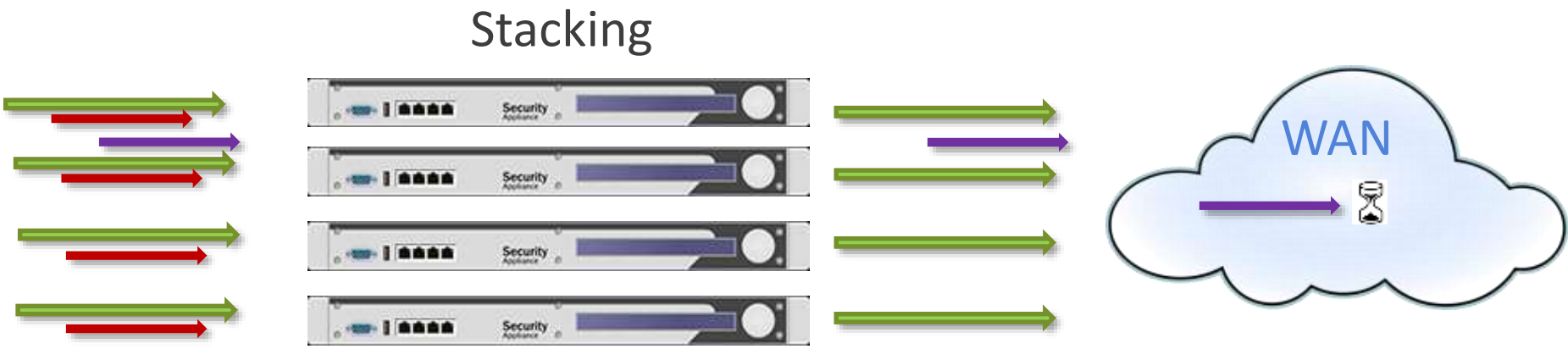
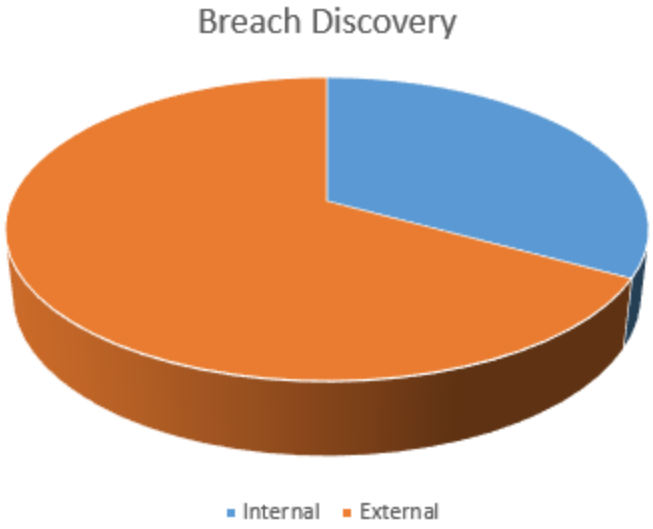


- More sophisticated attackers
- Designed to evade most security devices
- Time-delay execution
- Can persist and grow for months or years

2014 Threat Report

66% of organizations were notified of a breach by an *external entity*



229 Days

Median number of days attack groups were present on a network before discovery

Source: Mandiant 2014 Threat Report

The Bricata Difference

Ultra High-Speed Performance

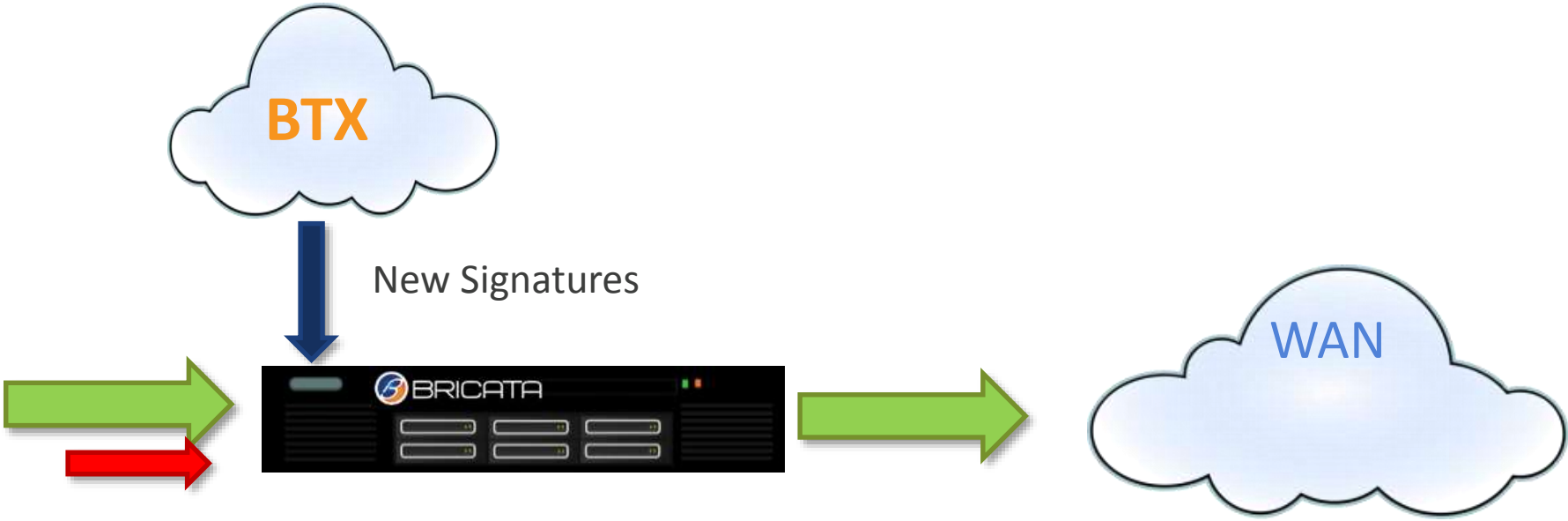
Stacking

8 RU
60 Gbps

4 RU
100 Gbps

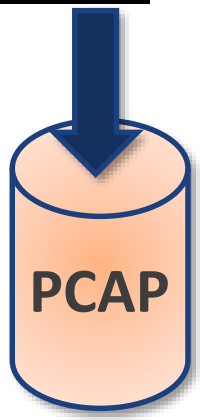
Deployed in-line as an active IPS solution
Speeds range from 500 Mbps to 300 Gbps

- Much smaller footprint
- Lower cost
- Lower operational expenses
- Easier to manage


BTX
New Signatures
BRICATA
WAN

Simplified GUI

New Signatures



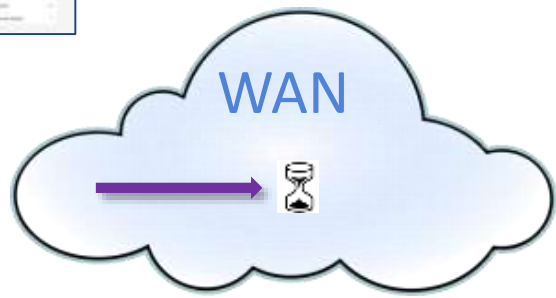
- Full payload and metadata
- 1 click query to pull PCAP
- Rapid investigation
- Open format
- Session reconstruction

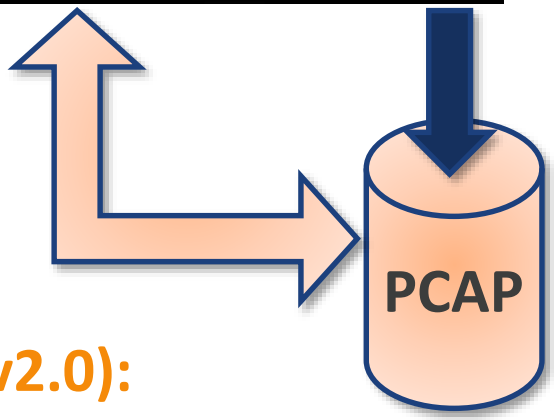
Contextual understanding of security incidents

Simplified GUI

Unknown Threats

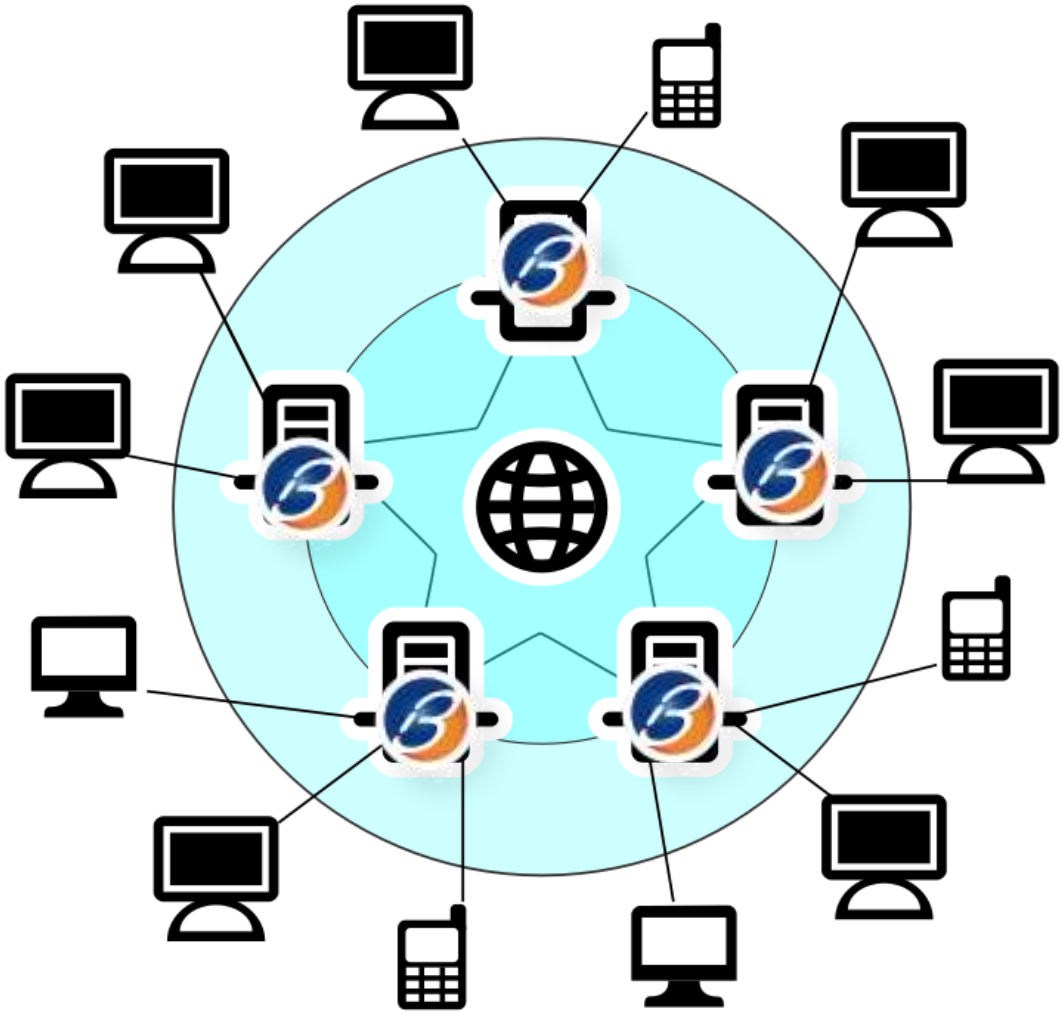
New Signatures

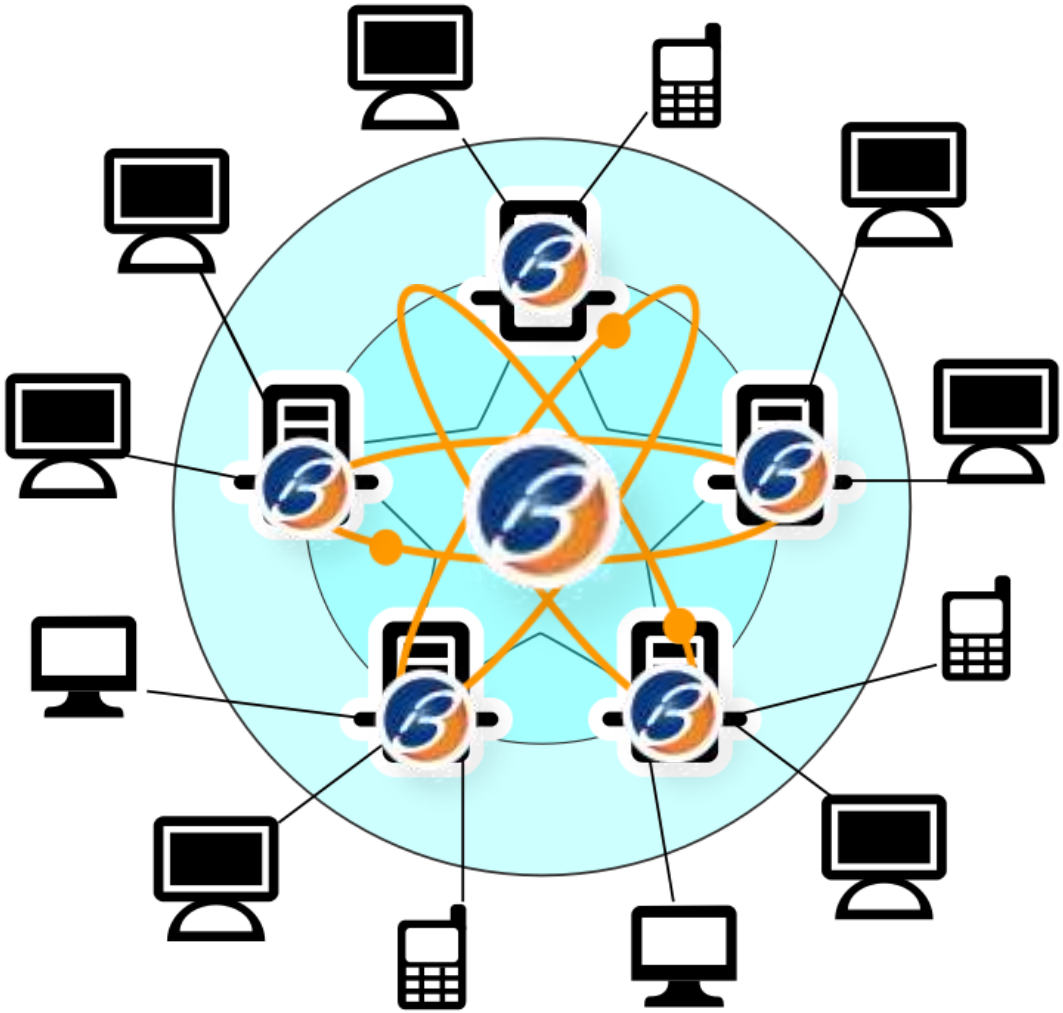


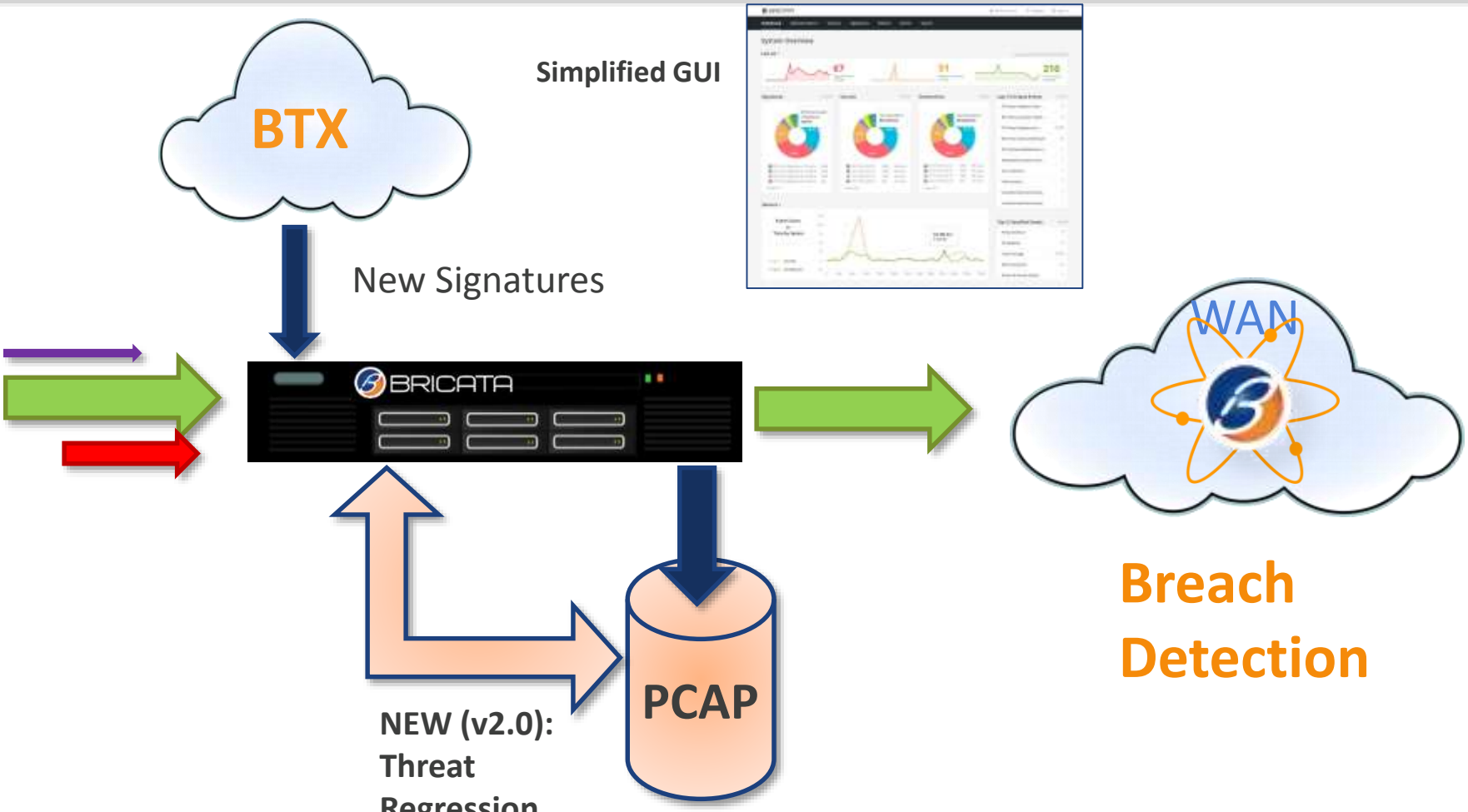


What do we know today that we didn't know yesterday

NEW (v2.0):
Threat Regression






BTX
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Breach
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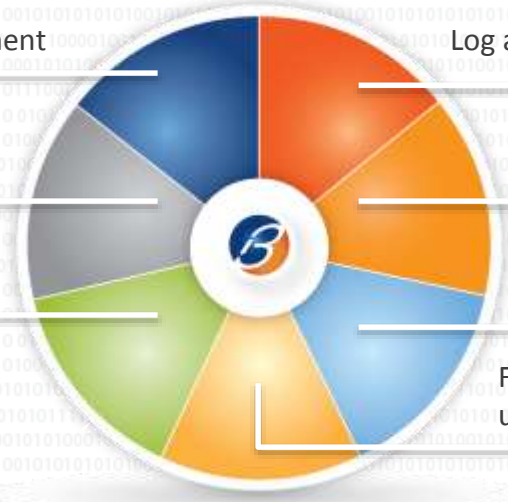
PCAP
NEW (v2.0):
Threat
Regression

Bricata ProAccel NGIPS Feature Set At-a-Glance

Threat Isolation Engine™



Traffic monitoring & event management

Cassandra data analytics engine

Central management console (CMC) for complete dashboard control

Log aggregation, correlation & forwarding to SIEM

Regularly updated signature library & threat intelligence sharing

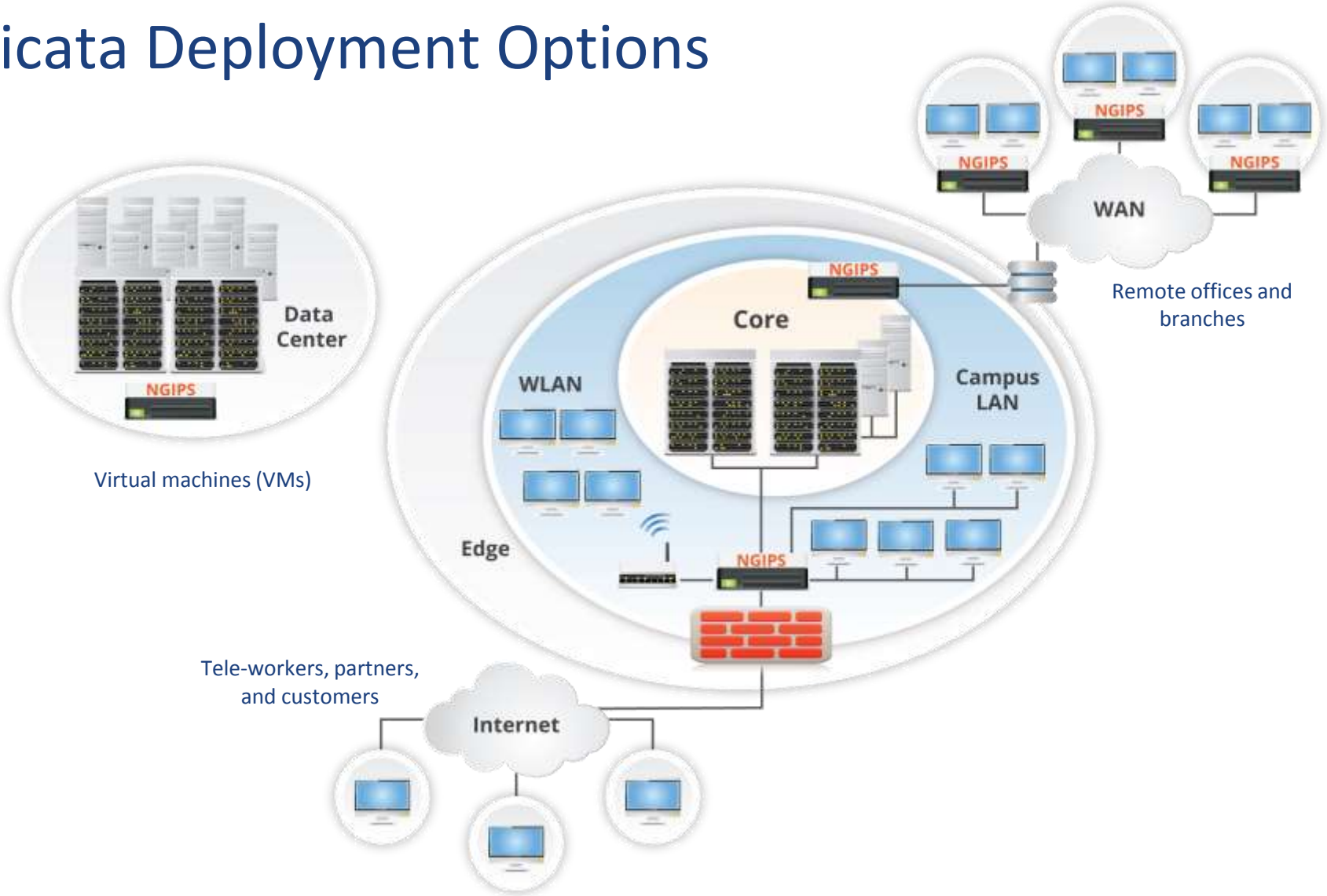
Data exfiltration prevention automation

Full packet capture for complete contextual understanding of security incidents

- Malware, vulnerabilities that are known and unknown
- Threat Intelligence Eco-system
- Port/Protocol independent inspection
- Custom signature creation
- GeoIP reputation & location

- Signature-less detection via Anomaly-based Decision Module
- Application awareness
- Full packet capture, NetFlow and contextual analytics
- Highly scalable global event management
- Event aggregation, correlation and forwarding

Bricata Deployment Options



Why Bricata:

The New, Smarter Breed of Automated Threat Defense

- Reduced costs by as much as 50% over legacy IPS solutions
- Created by leading NGIPS experts in the security industry
- Offers High-speed IPS, full packet capture, and breach detection
- Exceeds feature parity of other leading NGIPS vendors
- Leverages your existing FW investment
- Improves visibility from the core to the perimeter
- Ease of deployment and management
  - All legacy SNORT and Suricata rule sets can be ingested with no rewrite
- Zero Day Threat detection with our Anomaly-based Decision Module

Demonstration