





Secure your "things"

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Organizzato da

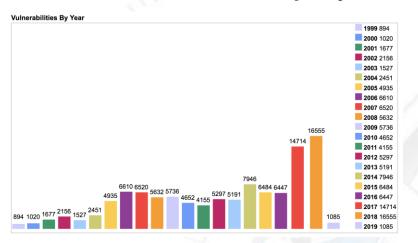


Security Challenges – IoT & Vulnerabilities



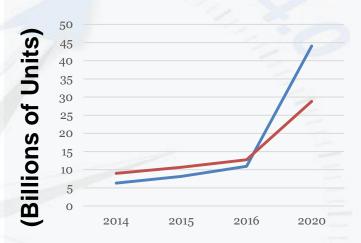


Vulnerabilities Identified per year



Source: MITRE CVE

IoT Units Installed Base by Category



Source : Gartner 2016

The Internet of Things (IoT) is the network of physical objects that contain embedded technology to communicate and sense or interact with their internal states or the external environment.

-Gartner

Security Challenges – Separate Systems ANIE



Security

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Device Management SIEM

MFA

Services



ArcSight≰

Microsoft



servicenow



splunk>





pagerdutu









kasada

















TOO MANY SECURITYTOOLS SECURITY TOOLS NEED TO WORK TOGETHER

Today's Security Reality



Traditional security perimeter is broken





How To Take Control









VISIBILITY

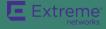
• Know what's connected, connecting in your wired & wireless multivendor environment















CONTROL

- Reduce risk and workload through Automation
- All devices are Authenticated or Authorized NO UKNOWN DEVICES



RESPONSE

• Adaptive response brokering best of breed security solutions





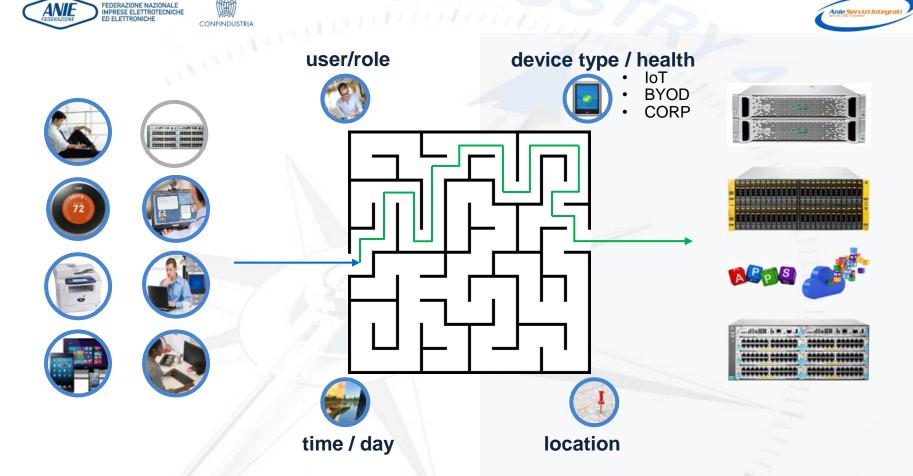








Automated Authentication & Authorization



Visibility – Profile Everything







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IoT



Headless



Employee BYOD





Infrastructure



Visitor



Administrator



Employee



Servers



Data & Storage



Internal Applications



Cloud Applications



Network Infrastructure

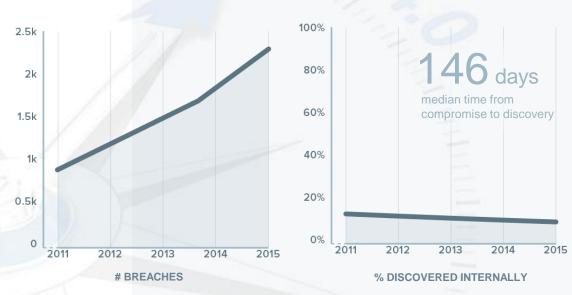




SECURITY SPEND



DATA BREACHES



Attacks on the Inside









COMPROMISED

40 million credit cards were stolen from Target's severs

STOLEN CREDENTIALS



MALICIOUS

Edward Snowden stole more than 1.7 million classified documents

INTENDED TO LEAK INFORMATION



NEGLIGENT

DDoS attack from 10M+ hacked home devices took down major websites

ALL USED THE SAME PASSWORD





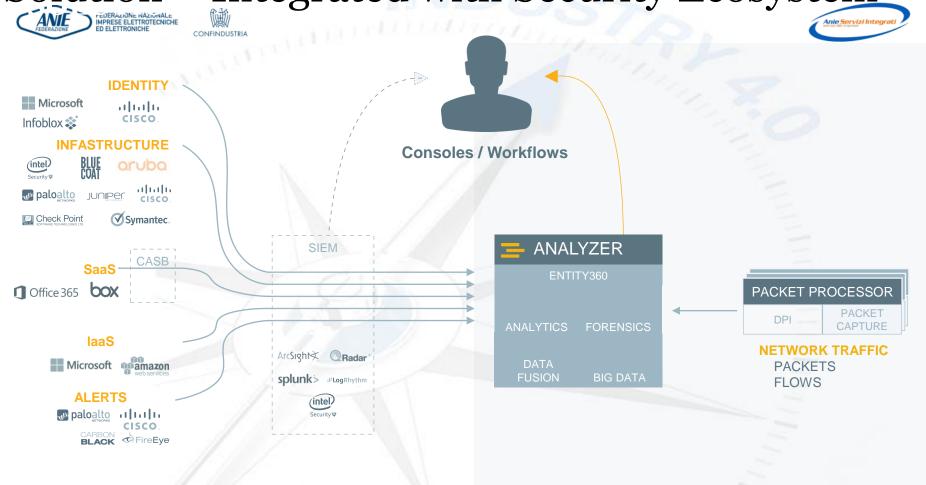


MACHINE LEARNING
CAN DETECT UNKOWN THREATS



BIG DATACAN SCALE

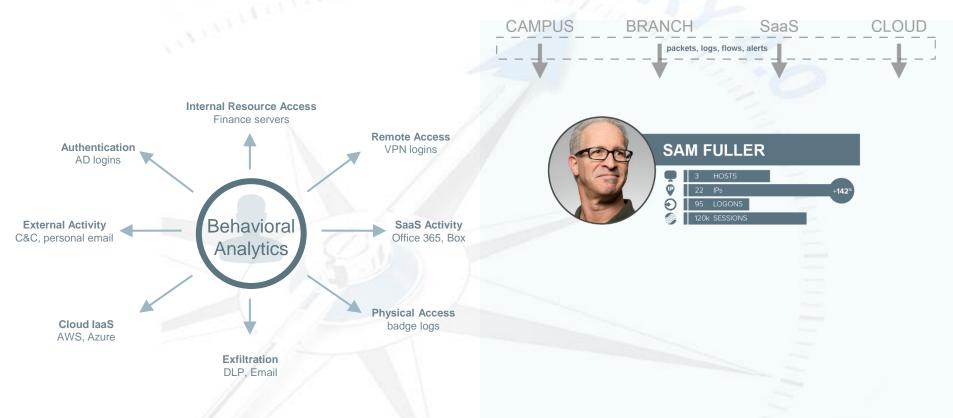
Solution - Integrated with Security Ecosystem



Behavior – Many Different Dimensions

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Basics of Behavioral Analytics

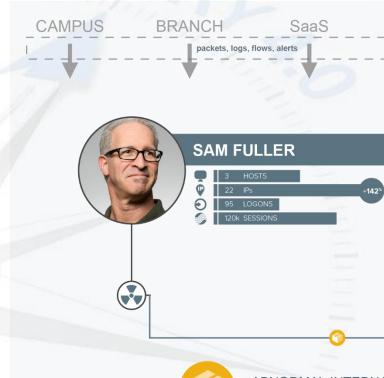






CLOUD

→ time



MACHINE LEARNING
UNSUPERVISED



BASELINES
HISTORICAL
+

PEER GROUP

ABNORMAL INTERNAL RESOURCE ACCESS

Finding the Malicious in the Anomalous FEDERAZIONE NAZIONALE IMPRESE ELETTROTECNICHE ED ELETTRONICHE

CAMPUS





CLOUD

SaaS

BUSINESS CONTEXT

High Value Assets **High Value Actors**



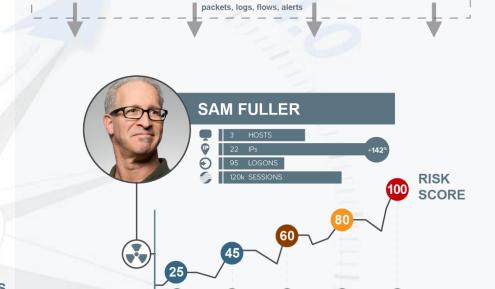
SUPERVISED UNSUPERVISED

ANIE

THIRD PARTY ALERTS

DLP Sandbox Firewalls STIX Rules

Etc.



BRANCH