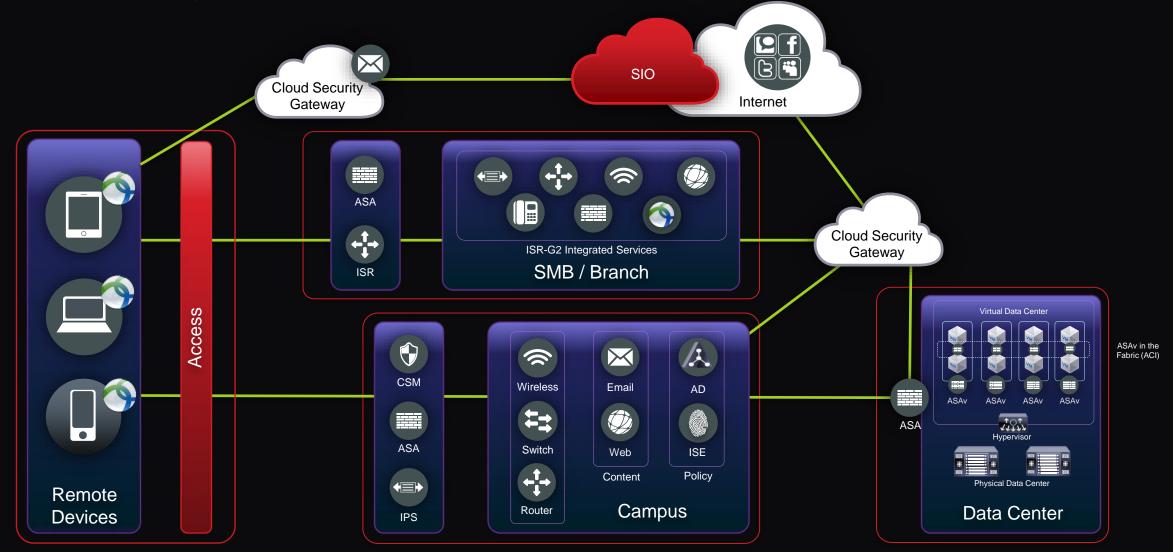


Swiss Networking Day 2014

Cloud Cyber Security Service: Enabling Seamless Distributed Architectures

Markus Frey Consulting System Engineer ^{8. Mai 2014}

Cisco Security Architecture





Cisco Security Intelligence in the Cloud

Seamless Distributed Architectures



Cisco Security Intelligence in the Cloud

Seamless Distributed Architectures

Customers are challenged with today's evolving threat landscape

Malware Infections



P



Data Loss

Today's Reality...



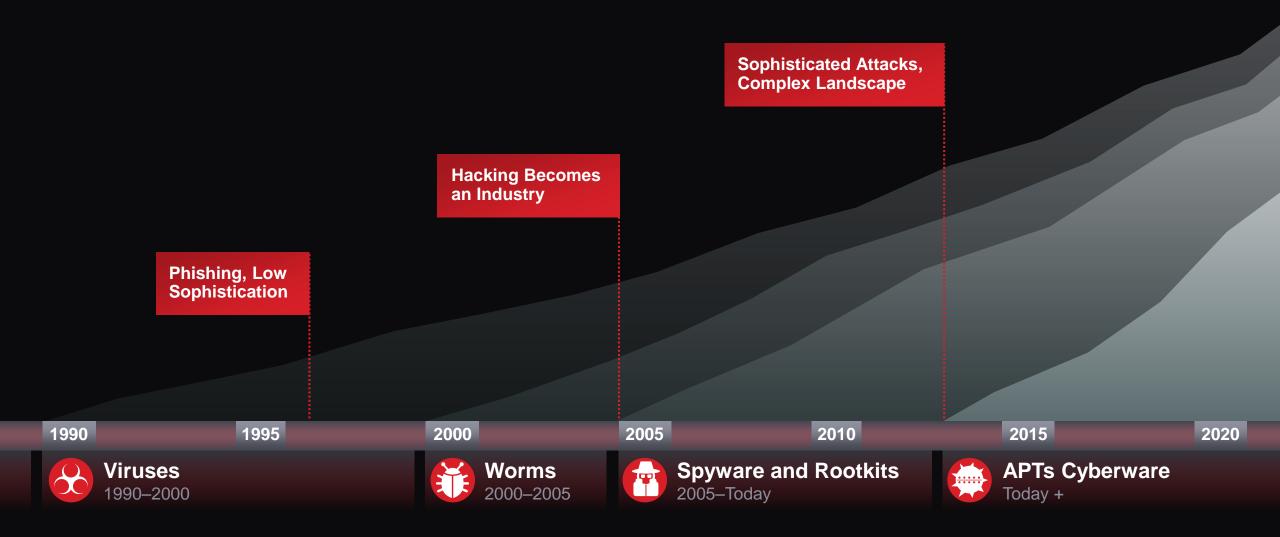
Ehe New York Eimes

All are smart, all had security, All were seriously compromised.

The Security Problem



The Industrialization of Hacking

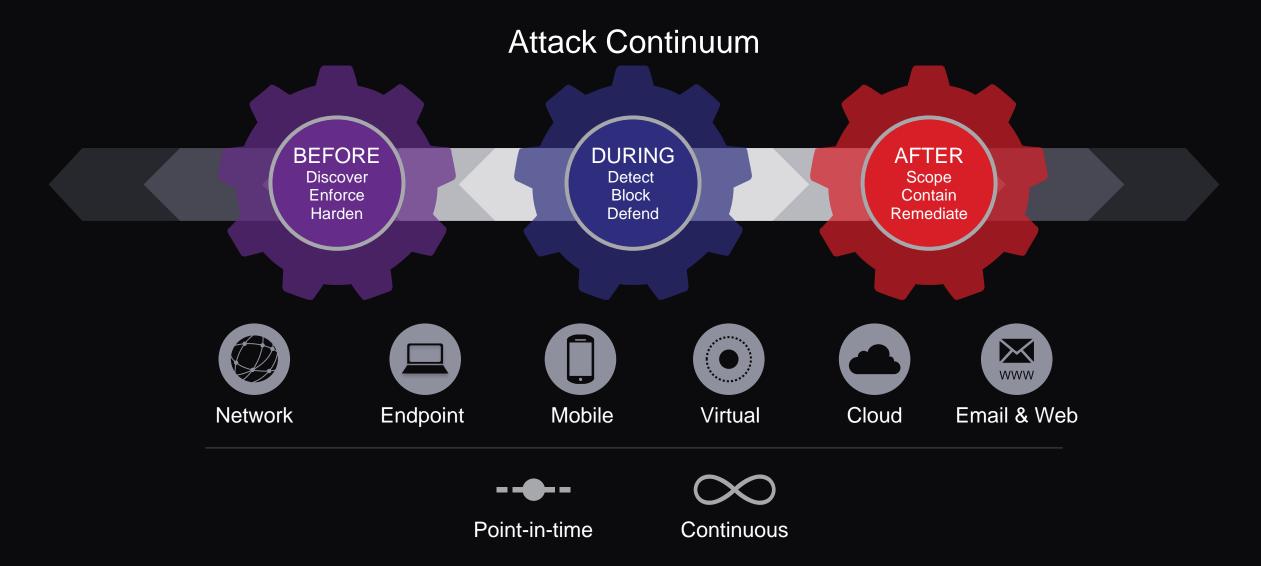




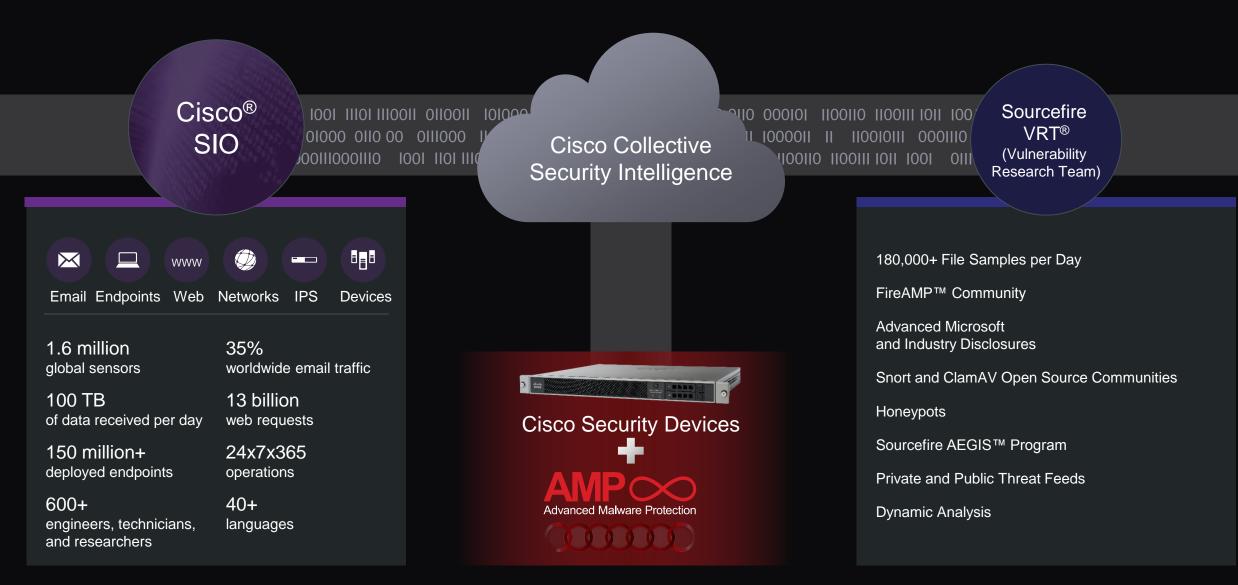
Cisco Security Intelligence in the Cloud

Seamless Distributed Architectures

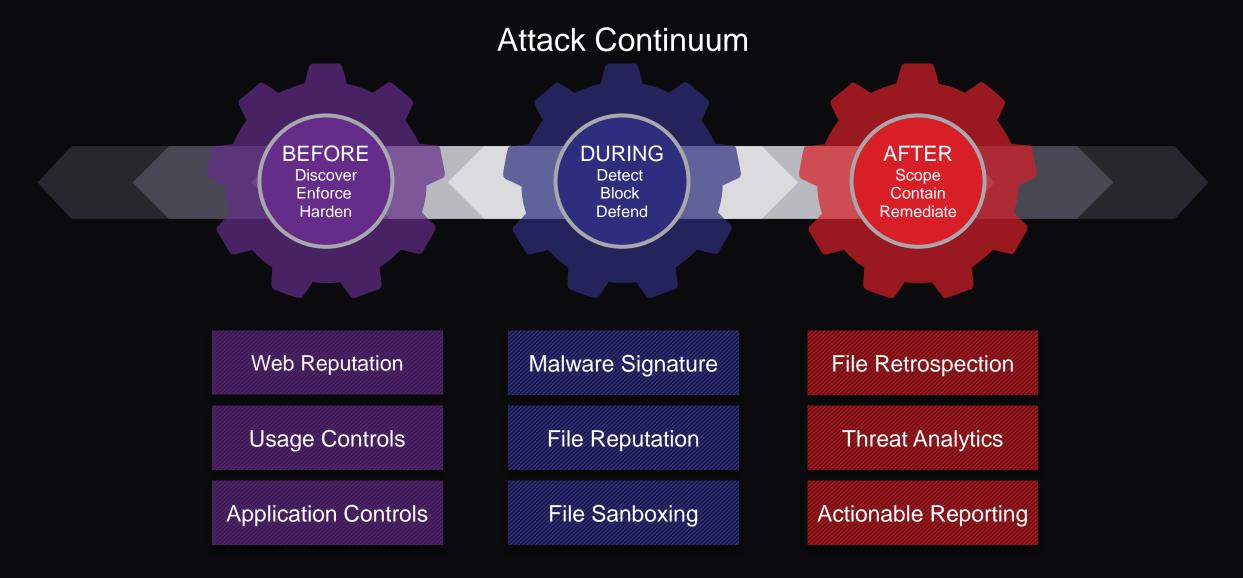
To defend against advanced threats requires greater visibility and control

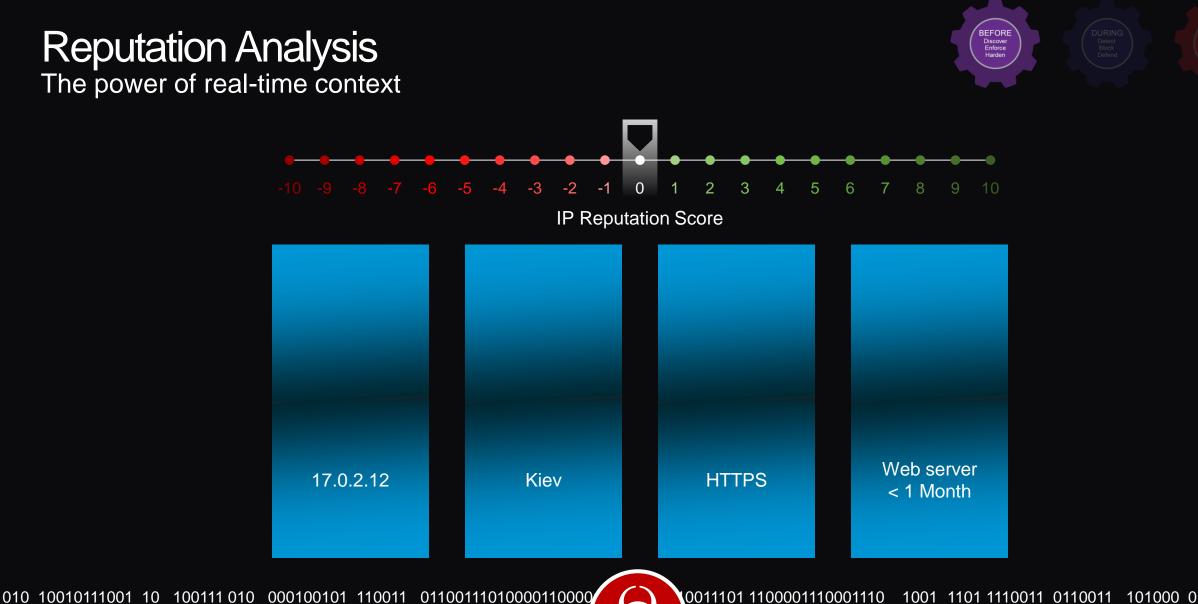


Cisco Security Intelligence in the Cloud



Cisco Web Security with AMP (advanced malware protection) defends across the full attack continuum



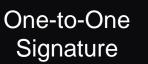


AMP strengthens the first line of detection



All detection is less than 100%





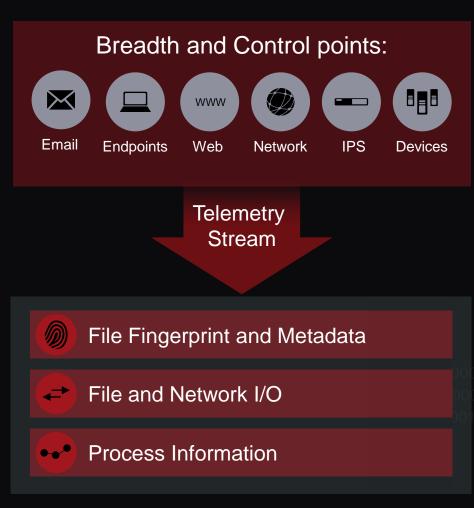
Fuzzy Machine Finger-printing Learning

Advanced Analytics Dynamic Analysis

Reputation Filtering and File Sandboxing

But most importantly AMP provides continuous retrospective security





Continuous feed

)111010011101
 1100001110001110
 1001
 1110011
 01100

)1110
 1001
 1101
 1110011
 0110011
 101000
 01110

)100001
 1100
 0111010011101
 1100001110001110
 1001
 1101



Continuous analysis

That continues to analyze what happens along the attack continuum



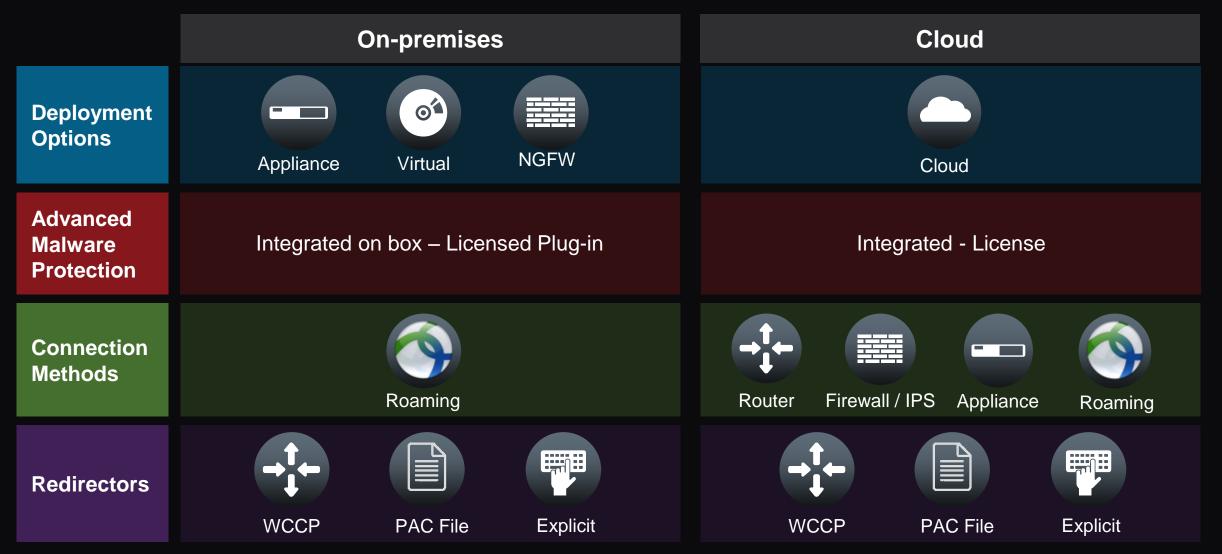




Cisco Security Intelligence in the Cloud

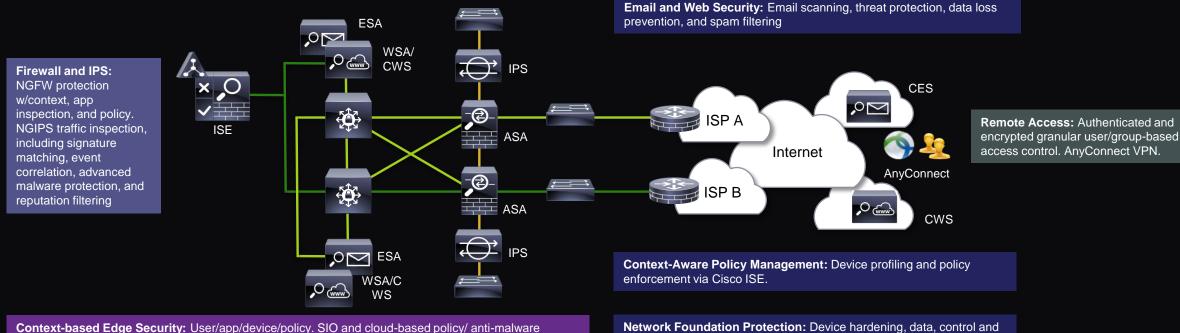
Seamless Distributed Architectures

Flexible Deployment Options On- and Off-premises



Securing the Campus and Edge

Layer 2 Security: Layer 2 protection provided by Catalyst Integrated Security Features, including port security, Dynamic ARP inspection, IP source guard, DHCP snooping, private VLANs, QoS, NetFlow, ERSPAN, SPAN, MACsec hop-by-hop encryption. Identity-aware user and device access with TrustSec.



management plane protection. 802.1X-based access control with Cisco

ISE and TrustSec.

protection. Hybrid-Hosted Email Security and encryption

Secure WAN and DMZ: Data confidentiality and integrity with IPSec VPN and PKI.



Cisco Security Intelligence in the Cloud

Seamless Distributed Architectures

IoT and Mobile – Massively increasing Attack Surface



Thank You

CISCO