



Speaker Intro Who's that Guy



Mo Cashman EMEA Field CTO

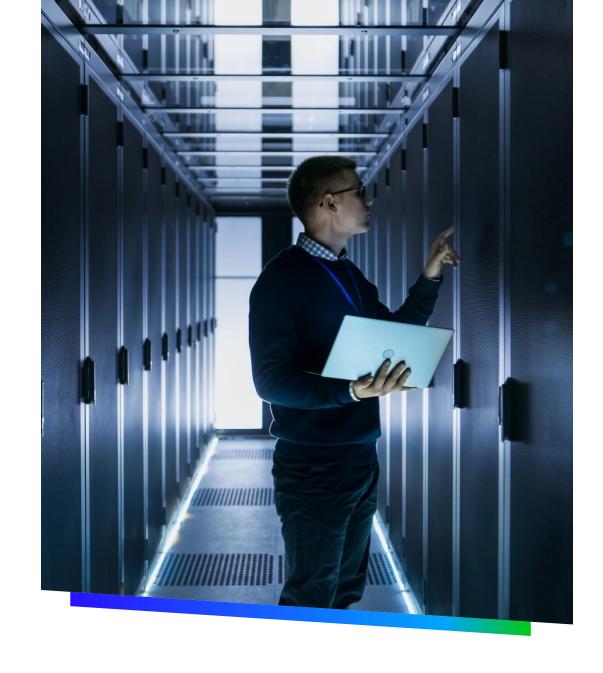


Steen Pedersen
PM, Endpoint



AGENDA

- Welcome
- State of Ransomware
- Anatomy of Attack
- Endpoint Before, During and After

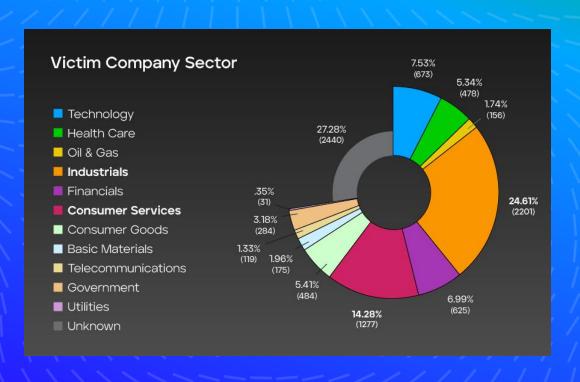


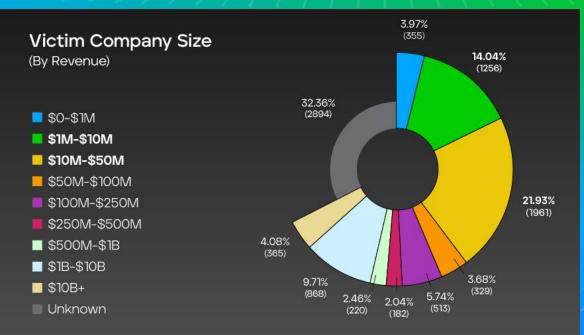
State of Ransomware

How has Ransomware evolved?



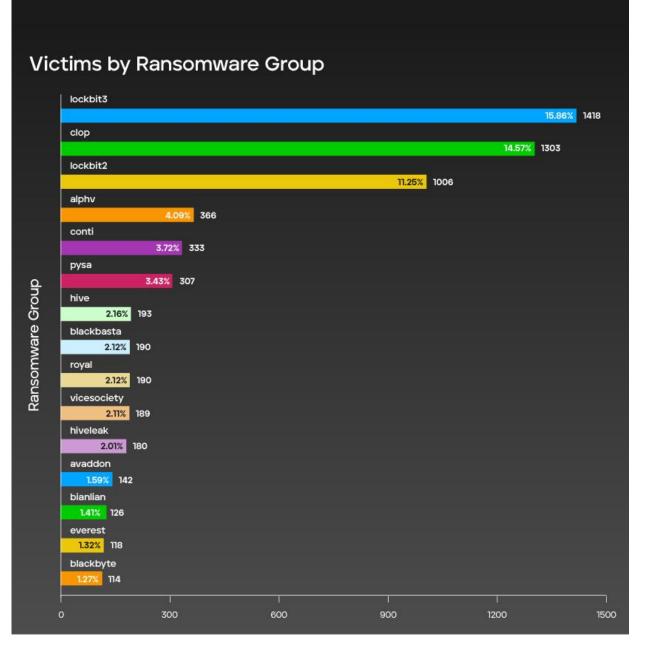
Ransomware Prevalence







Victims by Ransomwar e Group





Constantly Under Attack

Ransomware

54%

Organizations reported ransomware blocked access to systems / data¹

Gaps in visibility

21 days

Average attacker dwell time before being discovered²

Ignored Alerts

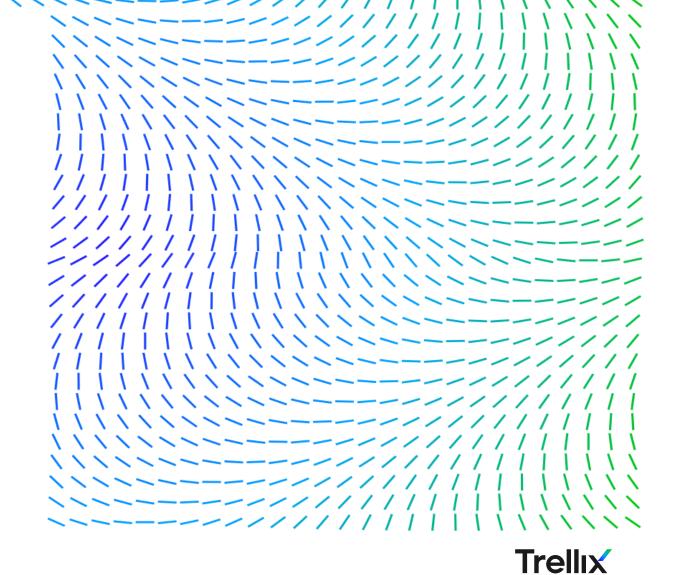
35%

Security analysts who say alerts are ignored when the queue is full³

Reoccurring Attacks

43%

Organizations hit by ransomware were hit more than once⁴



¹ Future Enterprise Resiliency & Spending Survey - Wave 11, IDC, December 2021

² Infosecurity magazine

³ IDC Survey 2021

^{4 2022} Third-party breach report, Black Kite

The nature and velocity of collaboration has changed New avenues of entry and risk



Still the primary attack vector. Over 90 % of cyberattacks begin with phishing.



Collaboration
Platforms
(Box, Teams, Slack etc.)

Allow us to freely share information, but do not ensure the integrity of what is being shared



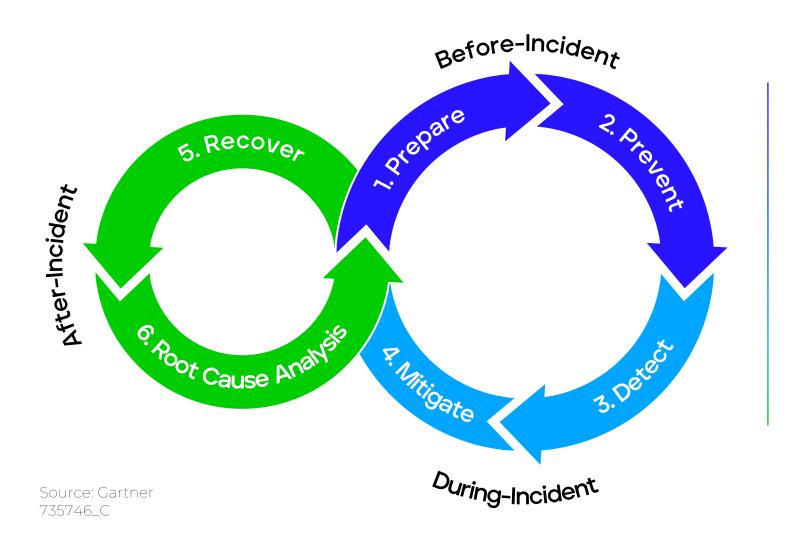
Enterprise
Applications
(Workday, Salesforce etc

Digital transformation initiatives grant access to suppliers, vendors, customers – and threat actors



Ransomware Defense is a constant process

Ransomware Defensive Lifecycle

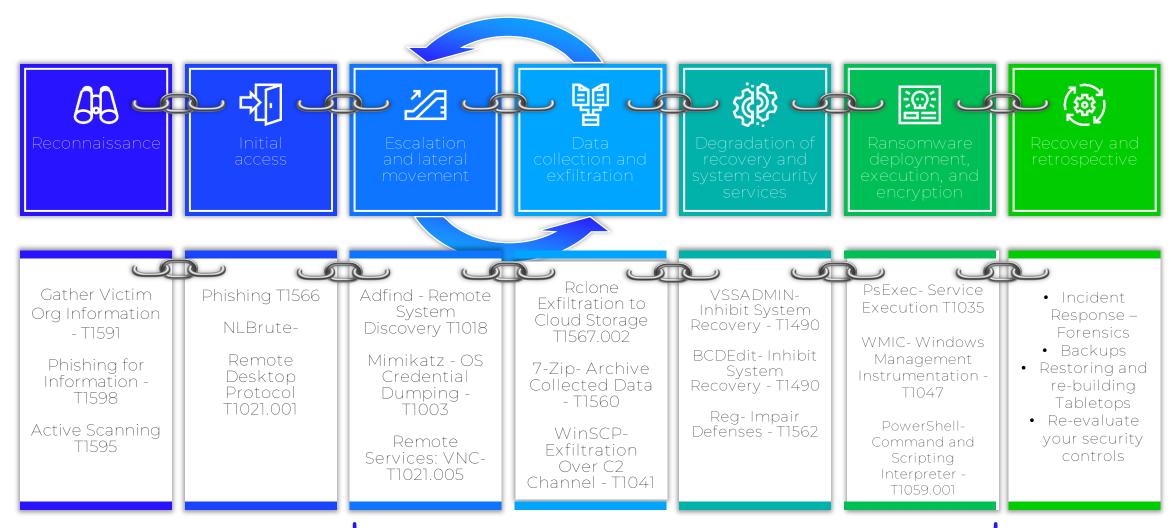


The defense life cycle is a continuous process of Preparation, Prevention, Detection and Mitigating Attacks. When a ransomware attack is successful, the Recovery and Root Cause Analysis

phases are triggered.



The Phases of a Ransomware Attack





The Phases of a Ransomware Attack

Trellix Kill Chain 闡 **IPS IPS FDR** DLP **Endpoint Endpoint IPS** Security Security **Email Security EDR EDR** DLP **Email Forensics Forensics Endpoint Forensics Endpoint Endpoint** Firewall Security Security Security Threat Intel **Professional** Services **XDR** Each layer of defense can be enriched by leveraging Sandboxing and Threat Intel

Trellix

Trellix Endpoint Security Capability Overview

Management Capability



Asset Discovery & Policy Management

Cloud or On-Premise Deployment Event Monitoring & Reporting

Compliance Reporting

Third Party Integration XDR Integration

Security Capability

Attack Surface Management

Exposure Monitoring

Device Control

Host Firewall

Web Control

Configuration Audit

Attack Prevention

Signature Anti-Malware

Behavioral Threat

Global Threat Intelligence

Local Threat Intelligence

Exploit Prevention

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ti-Malware Custom IO

Sandboxir

Mobile Threat Detection

Application Whitelisting

Roll back remediation

Endpoint Detection Response and Forensics

MITRE Att&ck Mapping

Behavioral Detections

Guided Investigations

Enterprise Search

Attack Timelines

Event Streaming

Credential Monitorina

Custom IOCs

Forensic Data Acquisition

Remediation

Data Protection

Device Control

Data Discovery

Data Classification

Data Loss Prevention

rive Encryption

Threat Research and Intelligence

Threat Research Product Testing

Signatures

Global Threat Intelligence

Threat Campaigns

- Endpoint security management at scale
- Pro-active attack surface management
- Rich & fully-featured threat prevention stack

 Efficient and effective alerts and incidents triage

Endpoints

- Fast response and containment
- Al Guided investigation

- Forensics and root cause analysis
- Real-time and historical artifacts search
- Long-term remediation

Trellix

Attack Surface Management

Endpoint Posture + Security Intelligence

Threat Readiness Problems	Causes	Solution	
"Are you at risk? What is a priority?"	Global Visibility, Priority	Rank worldwide threats to you	
"Are you susceptible? Will your protections hold?"	Predict and Prioritize Impact	Assess your security posture risks	
"What do you need to change to be protected?"	Proactively Adapt	Proactively tune countermeasures	

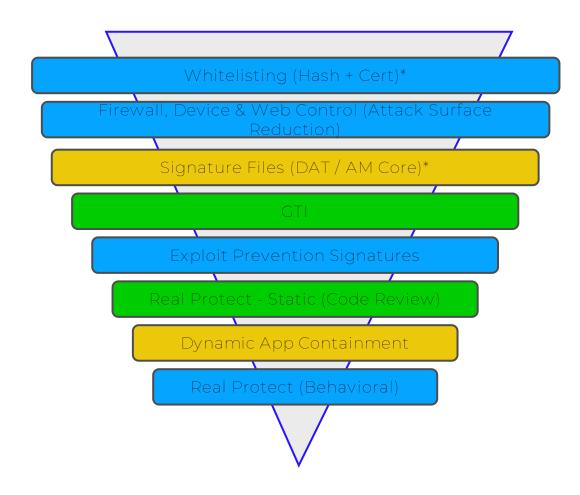


Insights Demo



Attack Prevention

What makes ENS so good?



- 1 Layered Defense
- 2 Customizable Signatures
- 3 Optimized for PC or Servers
- On Prem or Cloud Managed
- 5 Third Party Validation

	AV-Comparatives ¹		SE Labs ²		AV Test ³	
	False	Malware	Impact	Protection	Not blocked	Protection /
	Positives	Protection	Score	Score	(Neutralized or	Performanc
		Rate	(lower is		Compromised)	e / Usability
			better)			(max 6)
Trellix	Very Low	99.9%	10.9	100%	0	6/6/6
Brand C	Very High	99.7%	16.8	98%	1	-
Brand M	Medium	99.9%	18.1	100%	1	6/6/6
Brand S	-	-	-	97%	6	-



Endpoint Security - ASR

Attack Surface Reduction

- 1. Limit what unknown processes can do
 - Prevent processes which are contained getting Write or Read access to documents Based on filename or folder
 - Simple example for Expert rule:





Endpoint Security - ASR

Attack Surface Reduction

- 2. WebControl Block access to uncatagorized websites
- 3. Firewall Block unknown processes network access
- 4. ATP Key Behavior Signtaures to contain malicious use of powershell, office apps, credential theft
- 5. TIE Add your own indicators for fast reaction



Attack Surface Reduction

Prevention Through Intelligent Application Control

Dynamic Whitelisting



Prevents all unauthorized code from running

Memory Protection



Prevents allow listed apps from being exploited via buffer overflow attacks

File Reputation



Integrates with GTI and TIE to classify binaries as Good, Bad and Unknown

Containment



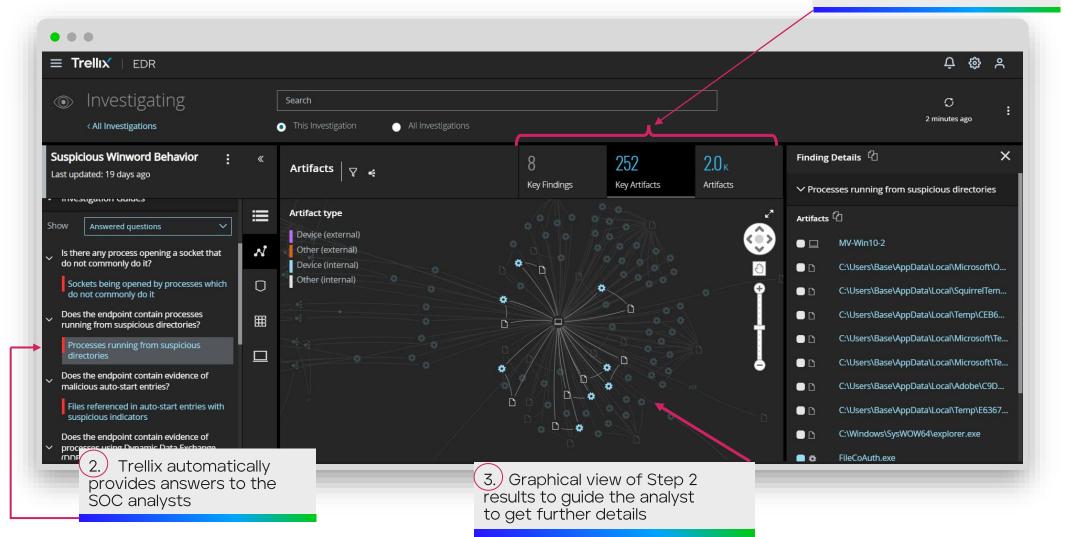
Coordinates with ATD to assess unknown behavior and immunize endpoints



Threat Detection

Al-Guided Investigations with EDR

1. 2,000 artifacts analyzed, narrowed down to 252 key artifacts and 8 key findings





EDR/XDR Demo



Incident Response

Scoping and Forensics with HX

Protection

Detect and Investigate















Logon Tracker



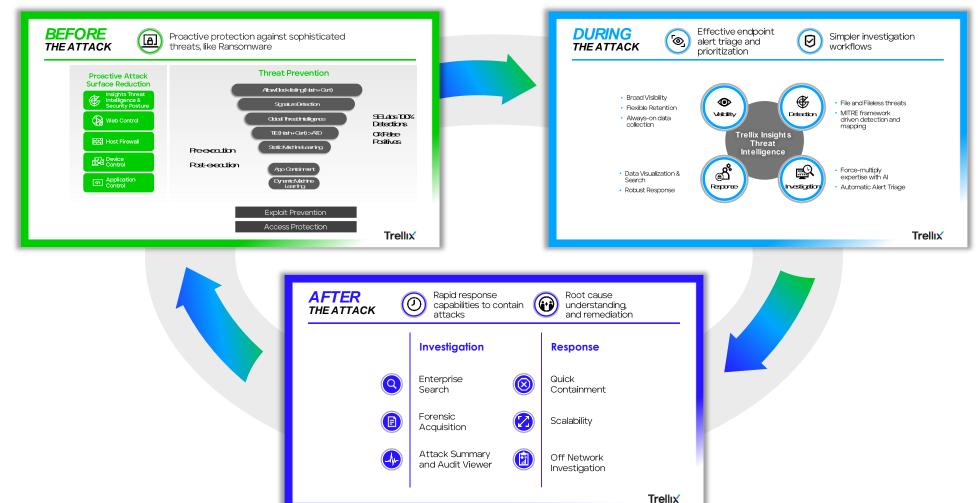
Event Streamer



Off-Network Investigation



Defense in Depth - Layered Security



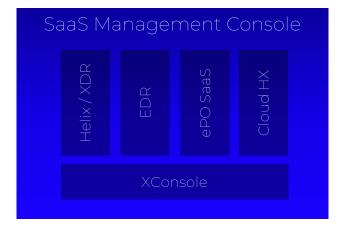


Deployment Architectures

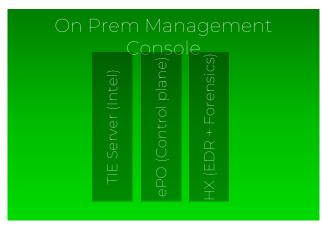
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Support for diverse deployment architectures





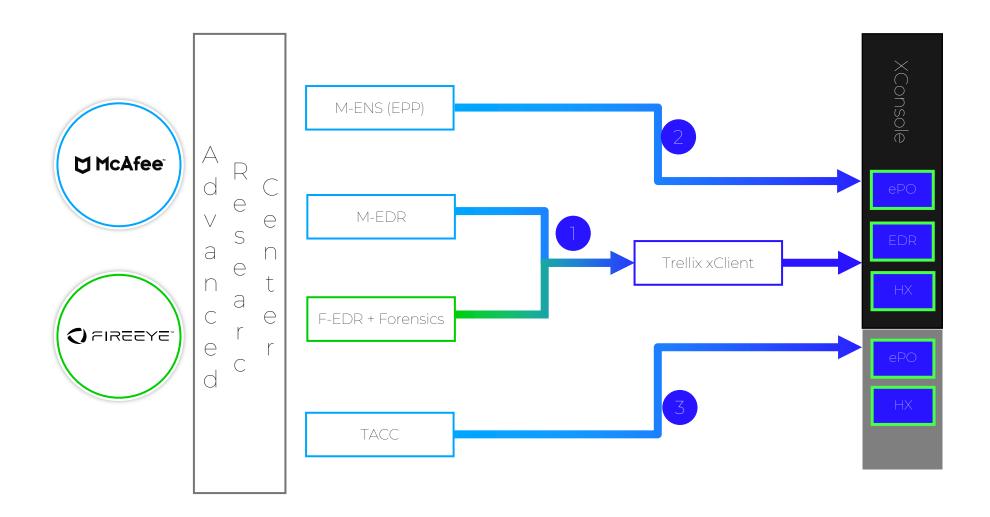








Trellix Endpoint Security Stack

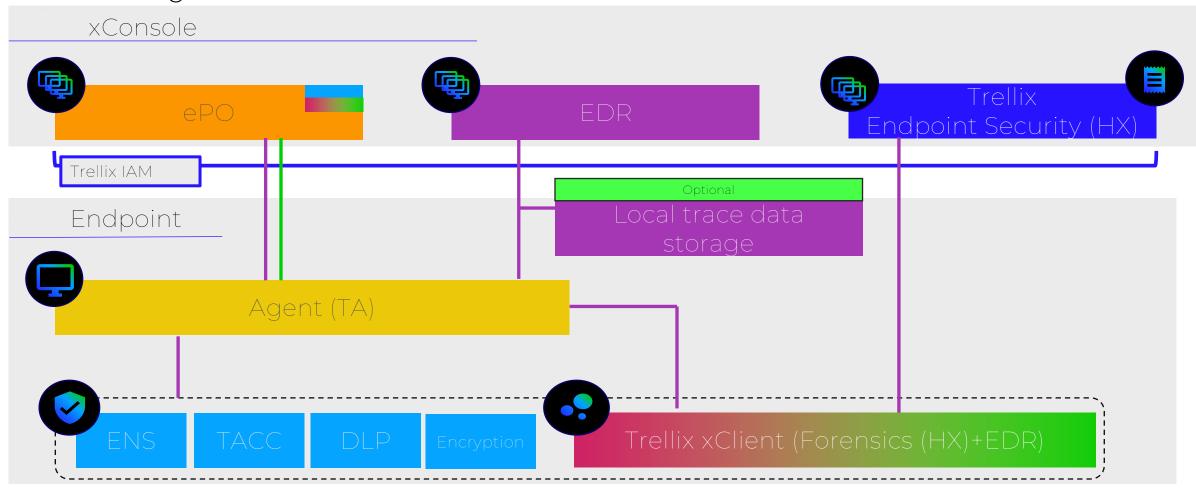






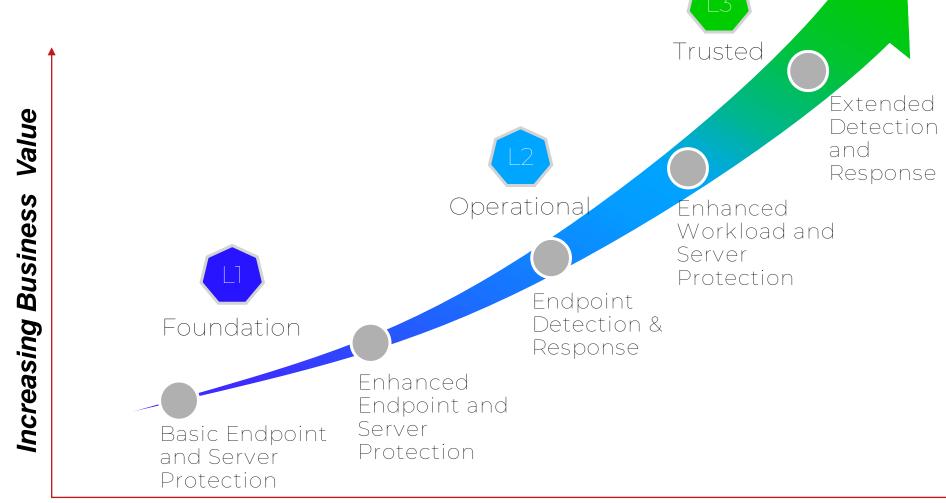
Conceptual Endpoint Journey

- ✓ Value Propositions
- Single EDR/Forensics (HX) agent called Trellix xClient
- Policy for all Trellix endpoint products to be managed from ePO





Endpoint Security Customer Outcomes Journey Map





Endpoint Security Solution Reference Architecture

