



Collaboration Security

Mitigating Threats in Modern Workspaces



Speakers



Matteo Spiga

Solutions Engineer



Rahul Iyer

Principal, Product Management

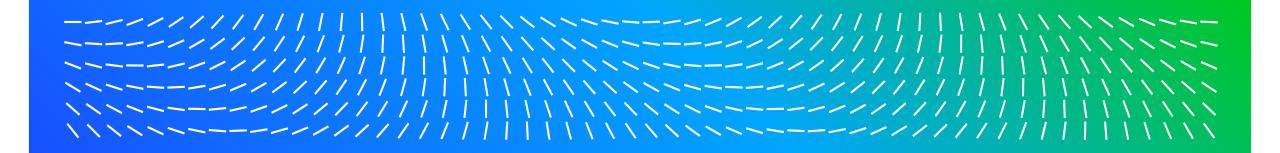


Breakout Sessions Content Structure

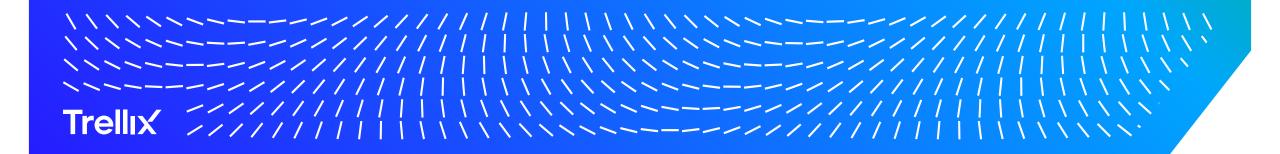
Solution Presentation
Architecture
Key Use-cases
Demonstration
Licensing
Trellix differentiators
Q&A

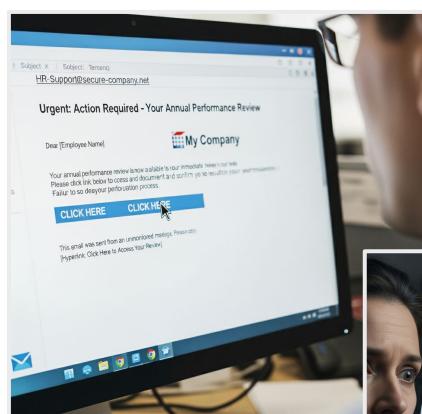






Collaboration Security





Phishing

Deepfake



Advanced techniques



What We're Hearing - How Can We Help?





Phishing-as-a-Service is less than \$250/month¹



Too much time wasted on false positives

Nearly 1/3 of alerts are false positives²



Despite training, users make mistakes

Email reading time is cut nearly 50% in high stress³



Cyber threat landscape

Trellix CyberThreat Report October 2025

- A look into the evolving APT landscape
- Ransomware's new dominance and emerging threats
- Cybercriminals' use of AI-powered malware
- Complex attack chains and exploitation of vulnerabilities



https://www.trellix.com/advanced-research-center/threat-reports/october-2025/



Mind of CISO Decoding the GenAl Impact

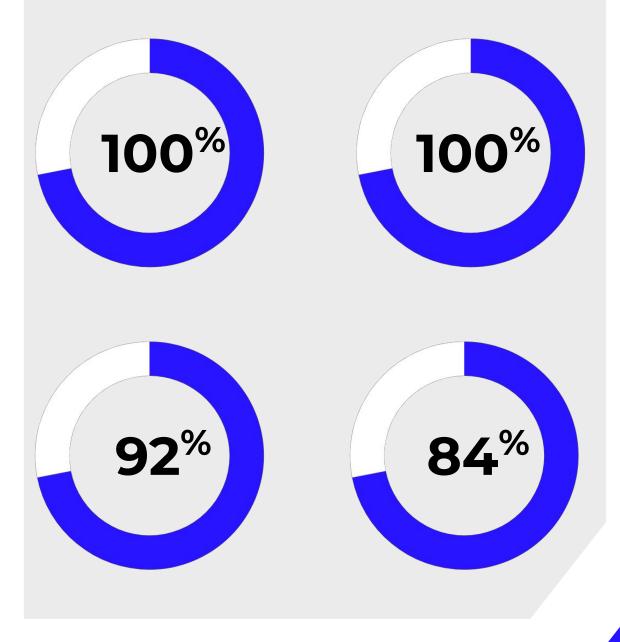
-/////////

100% are currently using or plan to use Generative Al

100% are concerned about cybercriminals using GenAl to perform cyber attacks

92% believe GenAI without clear regulations puts their organizations at greater risk

84% believe GenAl could give their organization an advantage over cybercriminals







Protection for a New Era of Attackers



Stop Al-Driven
Phishing & Impersonation



Improve Response & Resilience



Fit Your Infrastructure Needs



BEC, Impersonation, Malicious URLs, Attachments, Vishing, and QR Codes



Accelerate Analysis & Remediation



Multiple Deployment Options



Minimize False Positives



Prevent Exfiltration and Leaks with Data Security



SEG, 2nd Hop, and API/ICES



Extend Protection to Chat, File Shares, and Enterprise Apps



Train a More Alert Workforce



FedRamp Certified



Mitigate Human Risk Across The Organization



Email

Catch BEC, impersonations, and other phishing attempts with advanced AI and precise file and URL inspection



Collaboration & Enterprise Apps

Inspect everything and catch APTs across file sharing, file storage, chat and enterprise applications



Data Security & Awareness Training

Prevent data leaks and grow a vigilant workforce to catch would be attackers before they can do harm

Seamlessly integrated into the Trellix Security Platform

The World's Most Demanding Trust Trellix

Technology

- World's Top Public Cloud Service Provider
- Largest Global Telecom Provider
- The Leading Consumer Electronics Company

Government Agencies

- 4.2 Million DoD mailboxes
- 5 out of 7 G7 Nations
- Half of the World's Largest Aerospace and Defense Contractors

Financial Services

- World's Largest Investment Manager
- 150+ Large Global Financial Institutions
- Multiple Stock Exchange Entities

Other Sectors

- 100+ Healthcare Service Providers
- 40+ Global Manufacturing & Industrial Companies
- Double-Digit Energy Service Providers

Protecting over 25 million mailboxes around the world from top government agencies to Fortune 100 companies



/, Trellix

Architecture

Trellix IVX



Precise File/URL Inspection at Scale







Trellix Intelligent Virtual Execution (IVX)

Hardened Hypervisor

- · Designed for large scale threat analysis
- Custom hypervisor with built-in countermeasures
- · Detect sandbox-aware and evasion tactics

Multi-modal Virtual Execution

- Multiple operating systems and versions
- Multiple applications
- Multiple file-types

Threat Protection at Scale

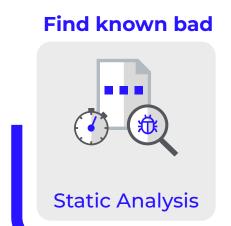
- Multi-stage analysis
- Utilizes most up to date threat intelligence
- · Thousands of simultaneous executions





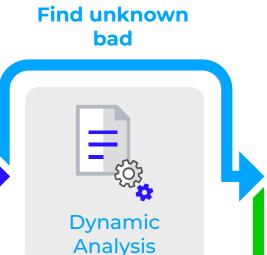
IVX Multi-stage Inspection Process

E More than just a sandbox



Lower intensity analytical methods: signatures, reputation, and emulations

Performs high speed analysis at scale



File executes in a safe and instrumented environment.

Observe file execution and look for malicious behavior.

family similarity

Assess malware

Remove obfuscation to expose original executable code.

Code Analysis

Analyze attributes and instruction sets to identify characteristics similar to known bad behaviors

Reveal suspicious patterns



Analyze behavioral patterns to identify maliciousness.

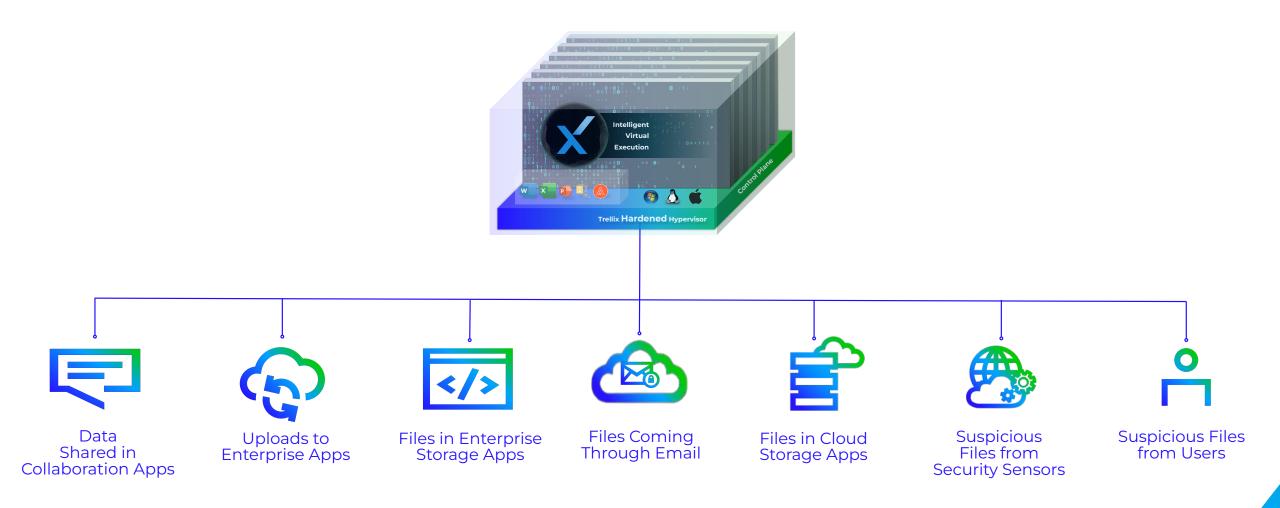
Uncover patterns in code to identify emerging threats.



* Remediation actions configurable by integration



Expanded Across Your Organization





[IVX – Specifications

Product Name	Model	Disk Space	Deployment Type	Throughput	Generation
Trellix IVX	VX5600	4TB	Hardware	Up to 15,840 submissions per day	6th Gen
Trellix IVX	VX12600	4TB	Hardware	Up to 120,960 submissions per day	6th Gen
Trellix IVX	VX Bare-Metal	3.6TB	Cloud – AWS c5.metal	Up to 150,000 submissions per day	6th Gen
Trellix IVX	IVX-VM300	1TB	VMWare ESXi	Up to 4,320 submissions per day	6th Gen



FX and AX - Hardware Specifications

Product Name	Model	Disk Space	Deployment Type	Throughput	Generation
Trellix File Protect	FX2500V	512GB	Virtual – VMware ESXi	Upto 40,000 files per day	5th Gen
Trellix File Protect	FX2500V	512GB	Cloud – AWS m5.xlarge	Upto 40,000 files per day	5th Gen
Trellix File Protect	FX2500V	2TB	Cloud – Azure	Upto 40,000 files per day	5th Gen
Trellix File Protect	FX6500*	2TB	Hardware	Upto 70,000 files per day	5th Gen
Trellix File Protect	FX6600	4TB	Hardware	Upto 87,000 files per day	6th Gen
Trellix Malware Analysis	AX5550*	4 TB	Hardware	Upto 8,200 analyses per day	5th Gen
Trellix Malware Analysis	AX5600	4 TB	Hardware	Upto 10,000 analyses per day	6th Gen





Use cases

Practical use cases for on-premise and cloud

Trellix IVX on-premise

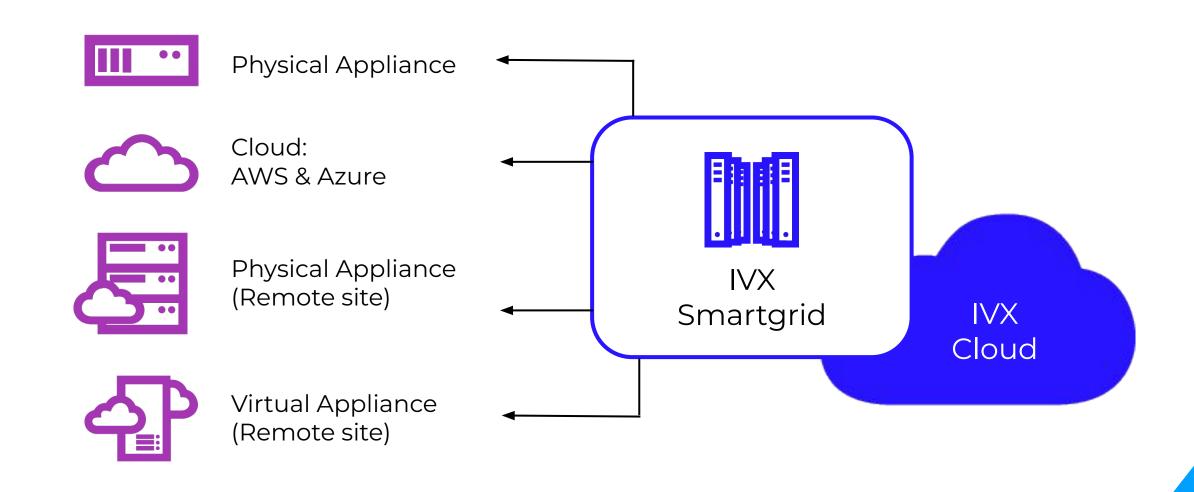
- Inline Network Traffic Inspection
- Internal File Share Protection
- Deep Malware Investigation/Forensics
- Integration with On-Premises Security Stack
- High-Volume or Sensitive Analysis

Trellix IVX Cloud

- Securing Cloud Collaboration Platforms
- Cloud Storage Malware Scanning
- API-Driven Application Security
- Augmenting Cloud Security Gateways
- Scalable Incident Response and Enrichment

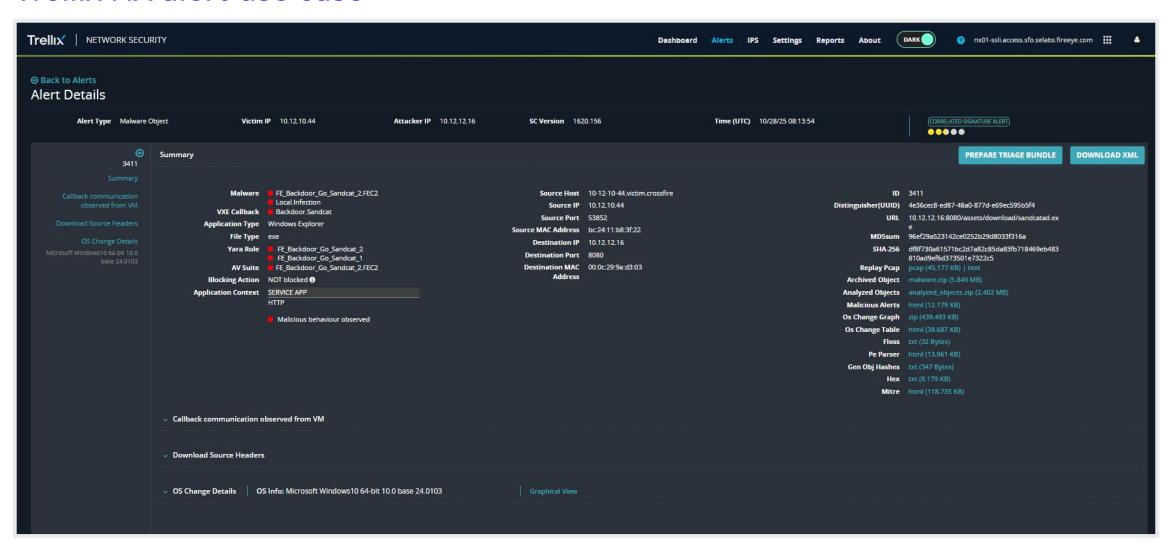
Elnline Network Traffic Inspection

Integrated and Distributed Network Security



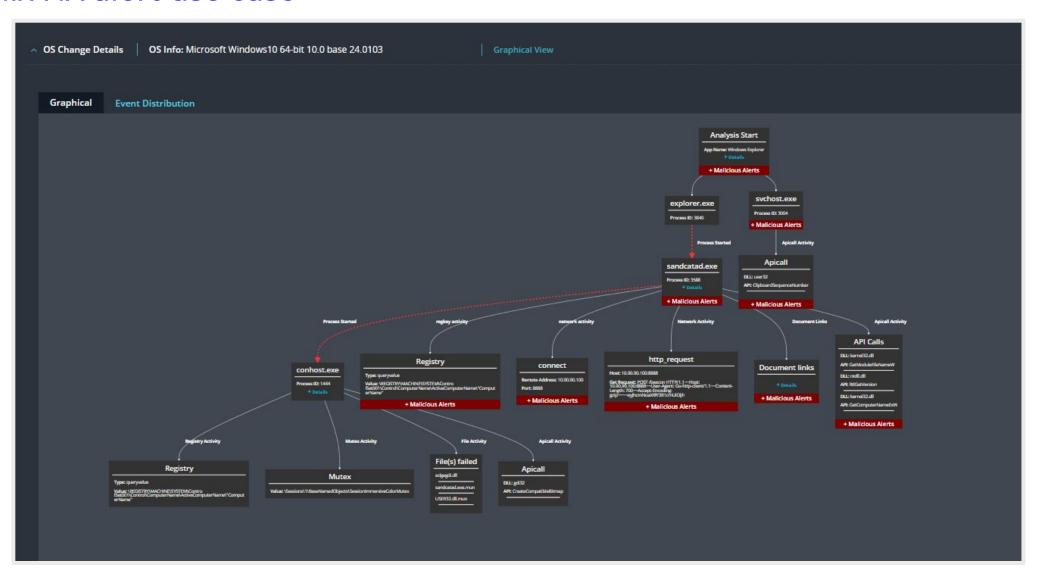
Deep Malware Investigation/Forensics

Trellix NX alert use case



Deep Malware Investigation/Forensics

Trellix NX alert use case



Integration with On-Premises Security Stack

Trellix ePo and TIE

Real-time integration with Trellix Intelligent Virtual Execution (IVX), Intelligent Virtual Execution Cloud (IVX Cloud) to provide detailed assessment and data on malware classification.

These integration allows you to respond to threats and share the information throughout your environment.

Trellix IPS - Intrusion Prevention System

Trellix IPS offers integration capability with Trellix Intelligent Virtual Execution - Server and Trellix Intelligent Virtual Execution - Cloud which utilize IVX engine's technology to perform malware analysis.

Skyhigh Secure Web Gateway

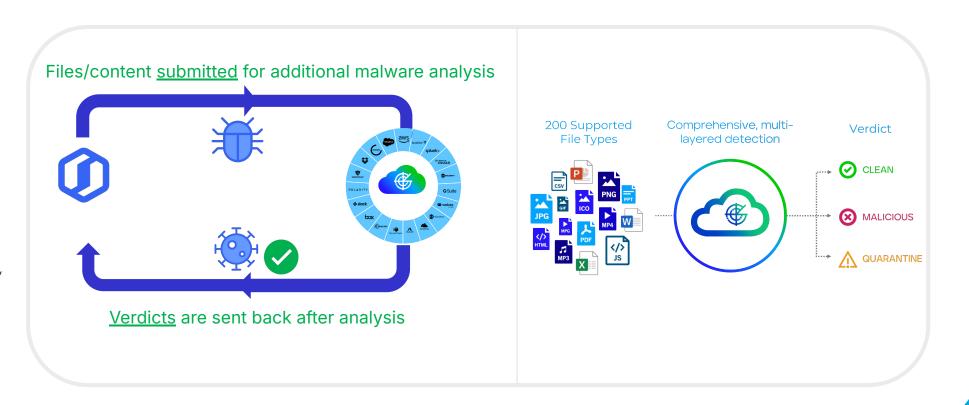
Skyhigh supports integration with Trellix Virtual Execution (VX). For further details please visit Skyhigh website.

Augmenting Cloud Security Gateways

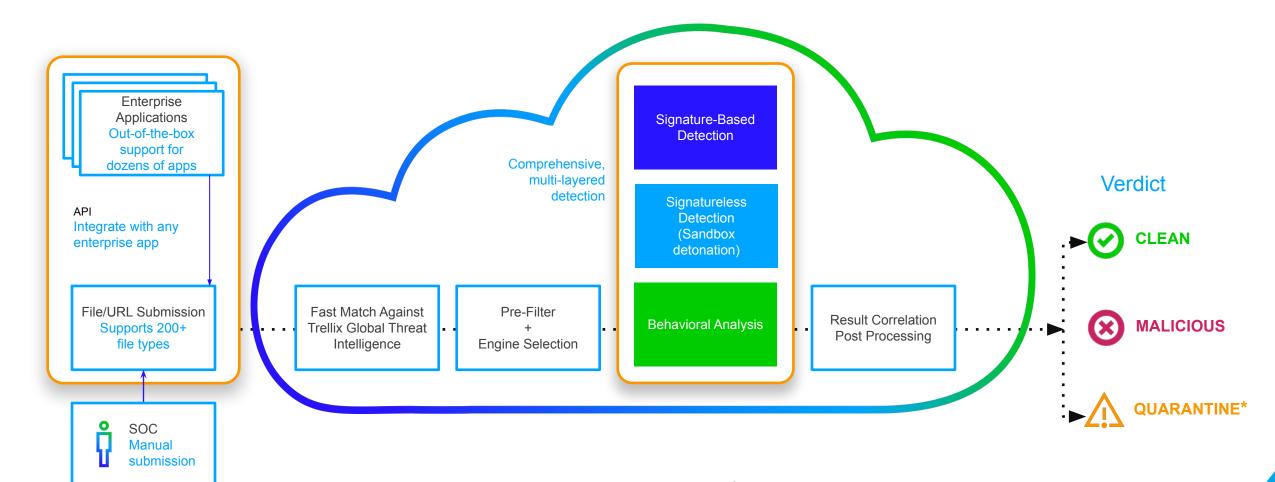
Skyhigh Security + Trellix provide comprehensive Anti Malware protection

Skyhigh SWG can easily integrate with Trellix IVX appliances and and IVX cloud services to protect against Zero-Day and Advanced Persistent Threats (APT)

Seamless integration of SWG On-Prem appliances with IVX appliances like legacy ATD and SWG for Cloud with IVX Cloud



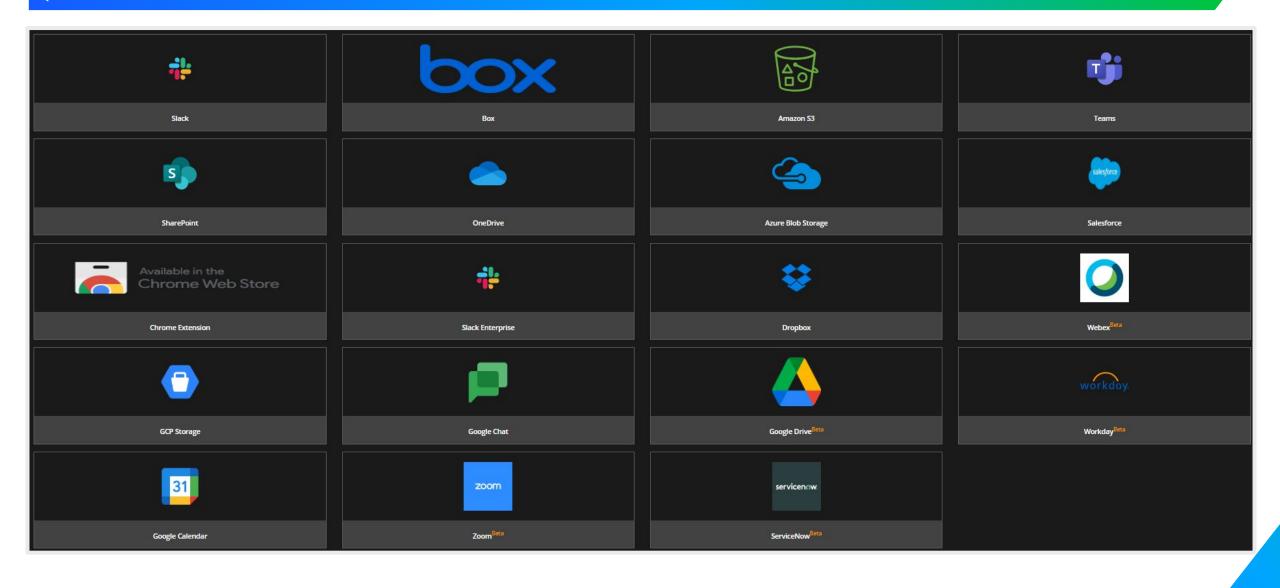
Trellix IVX Cloud







Securing Cloud Collaboration Platforms

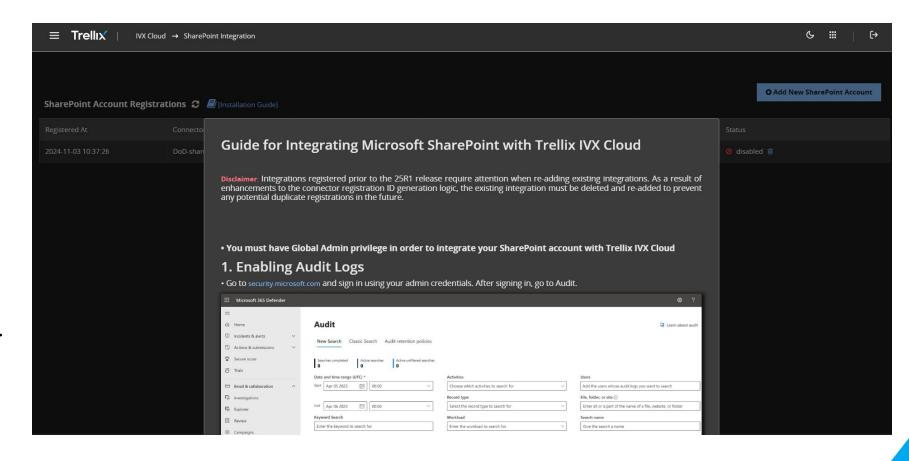


Securing Cloud Collaboration Platforms

Integration guidelines

Click on a third-party tool, then click Installation Guide.

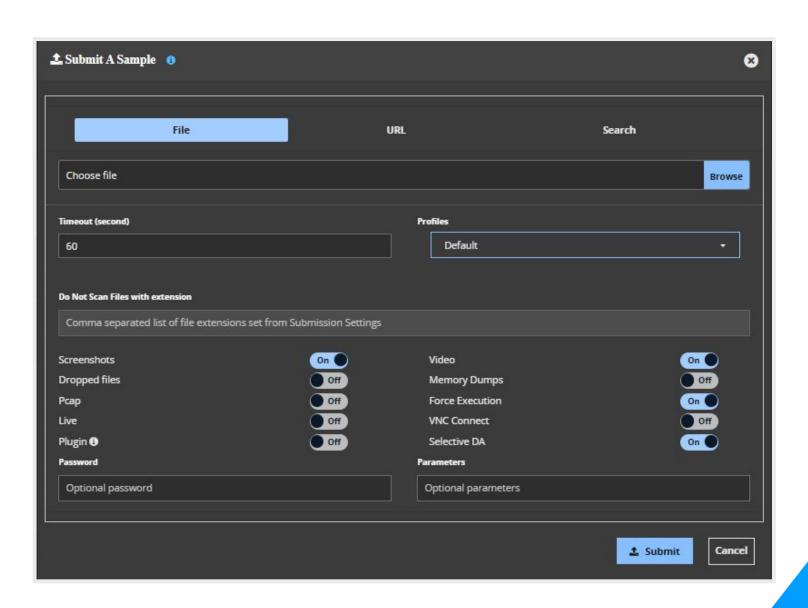
Follow the instructions to set up the integration.



Scalable Incident Response and Enrichment

Manual Submission

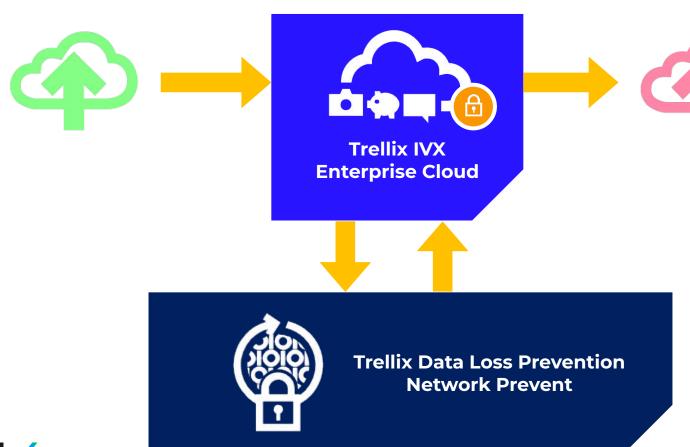
The Submissions page allows you to submit files or URLs manually to IVX Cloud for analysis



Outbound Data Loss Prevention: Cloud Apps

Trellix IVX Enterprise Cloud

Monitors and controls data transfers to cloud applications



Stops
sensitive data
exfiltration before
breaches
occur

Trellix DLP Network Prevent

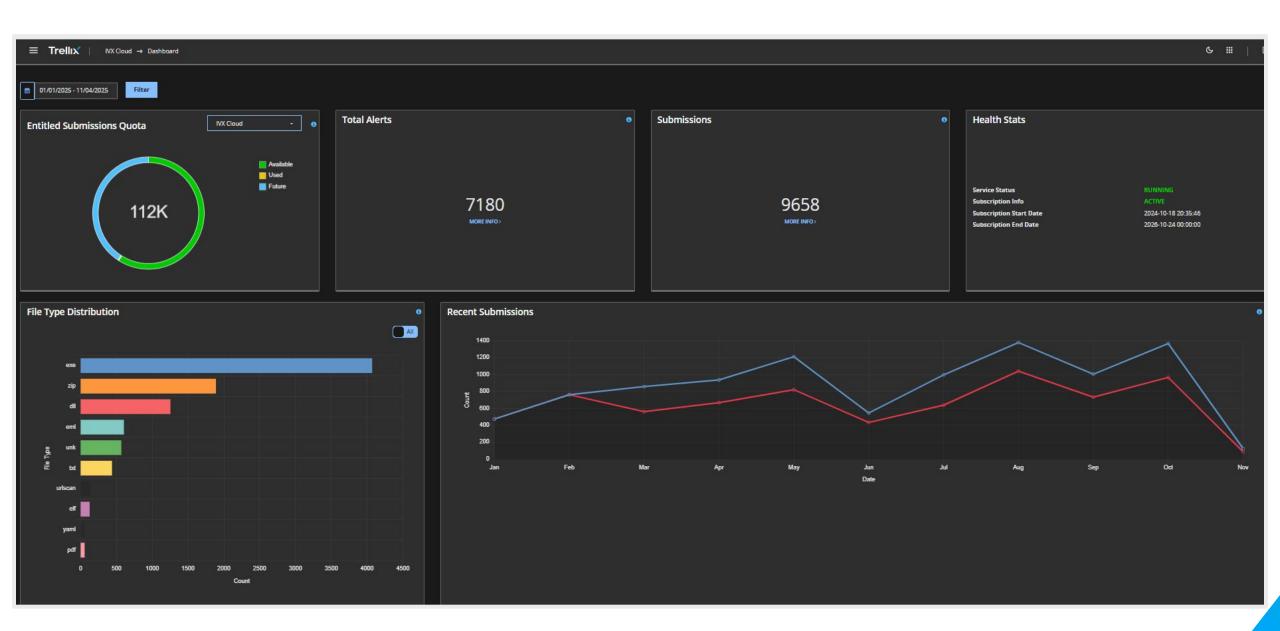
Identifies and blocks sensitive data from being transferred or stored in cloud applications



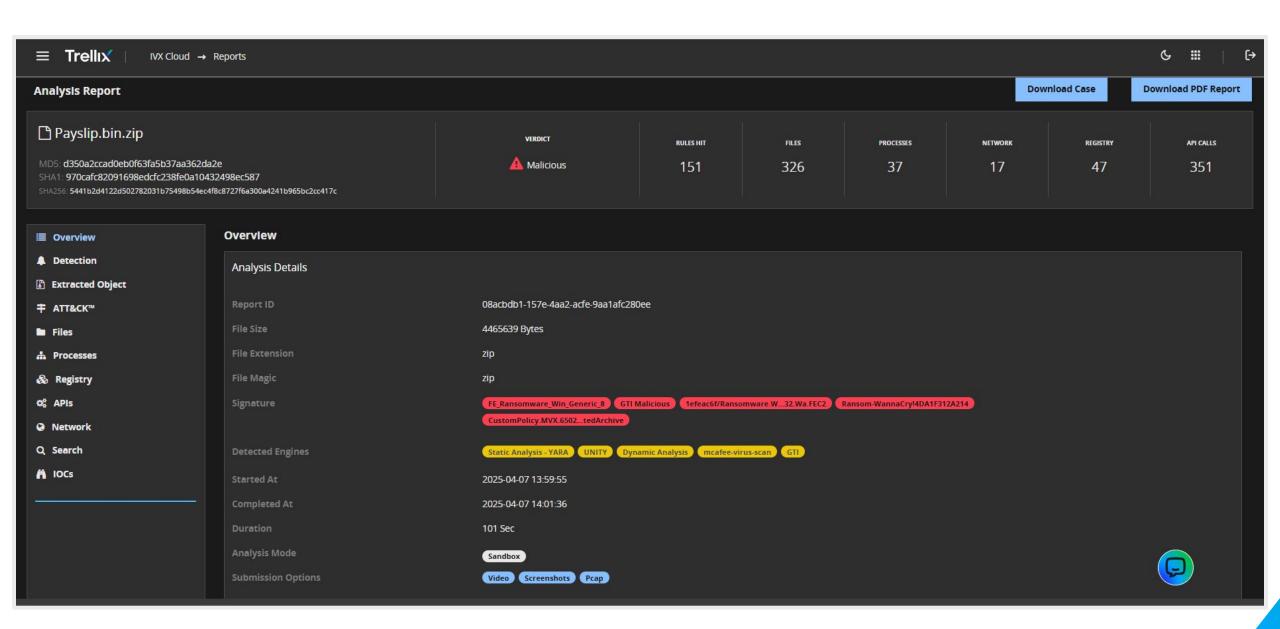


DEMO

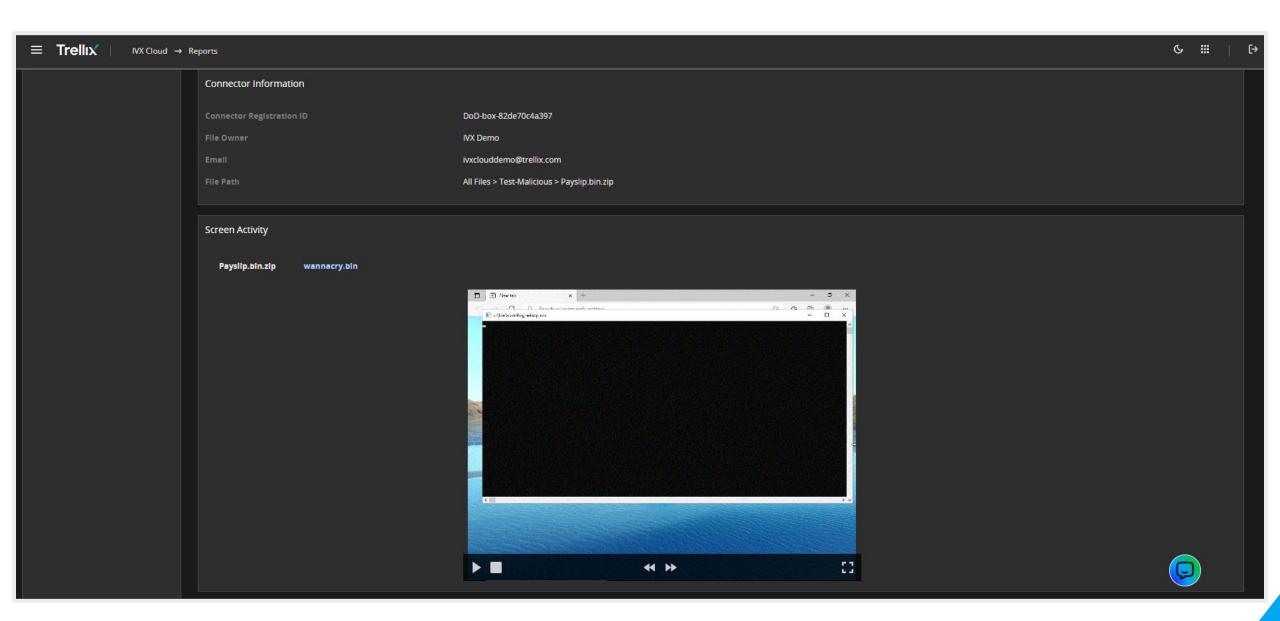
Trellix IVX



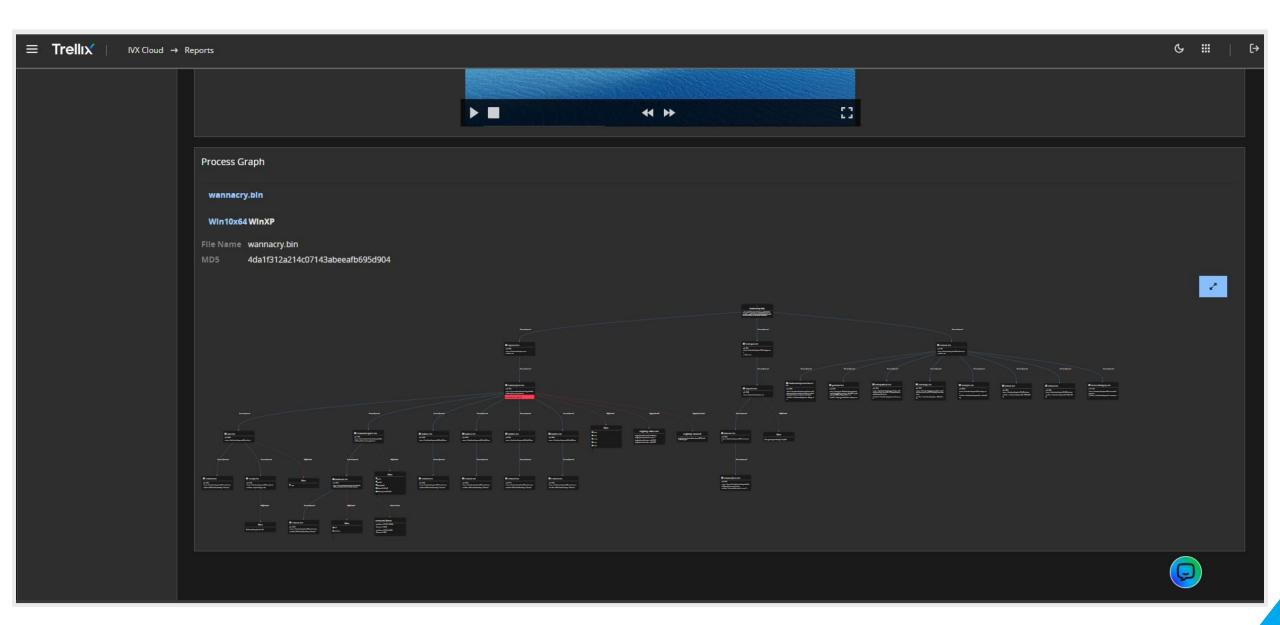
Trellix



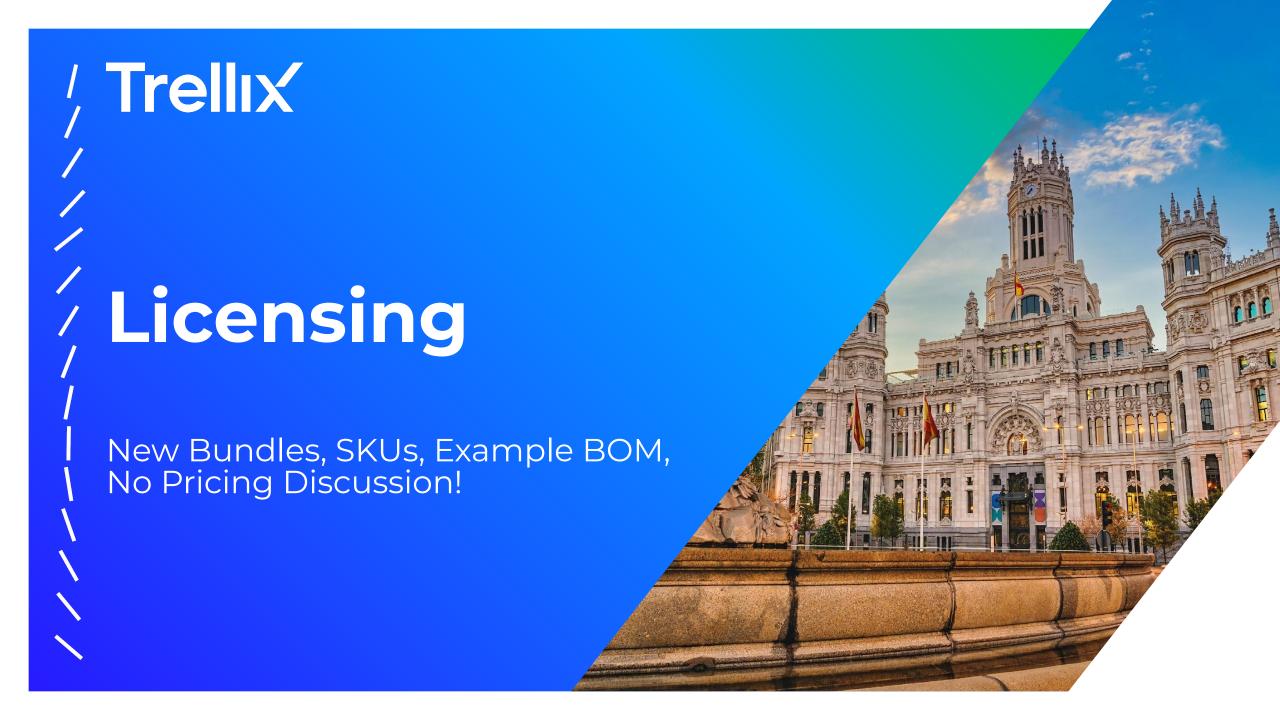




Trellix



Trellix



Trellix IVX Offerings - Cloud

SKU	Capabilities Capab
IVX	IVX Enterprise Cloud - PER USER:
	Up to twenty (20) submissions per User per month of the Product Term, aggregated across all of Customer's Users
IVX-BP	IVX Enterprise Cloud - Banded Submission Pack
CDR-BP*	Content Disarm and Reconstruction - Add On



Trellix IVX Offerings - Server

SKU	Capabilities
5600IVX-T	5600 IVX Enterprise Appliance
5600IVX-S-T	5600 IVX Enterprise SW and DTI - Subscription(T)
12600IVX-T	12600 IVX Enterprise Appliance(T)
12600IVX-S-T	12600 IVX Enterprise SW and DTI - Subscription(T)
IVX-VM300	Trellix Intelligent Virtual Execution VM 300 - (Available 16 - 32 - 48 - 64 Core)
NFEAX-T	IVX Investigator Subscription (Formerly AX)
NFAX5600-T	IVX Investigator 5600 Appliance (Formerly AX)



Trellix FX Offerings - Server

SKU	Capabilities Capab	
NWEFX-T	File Security - Subscription (Per Appliance)	
NWFX6600-T	File Protect 6600 Appliance (Per Appliance)	
NWFX-VA-T	IVX File Share Connector Virtual (Per Appliance instance)	



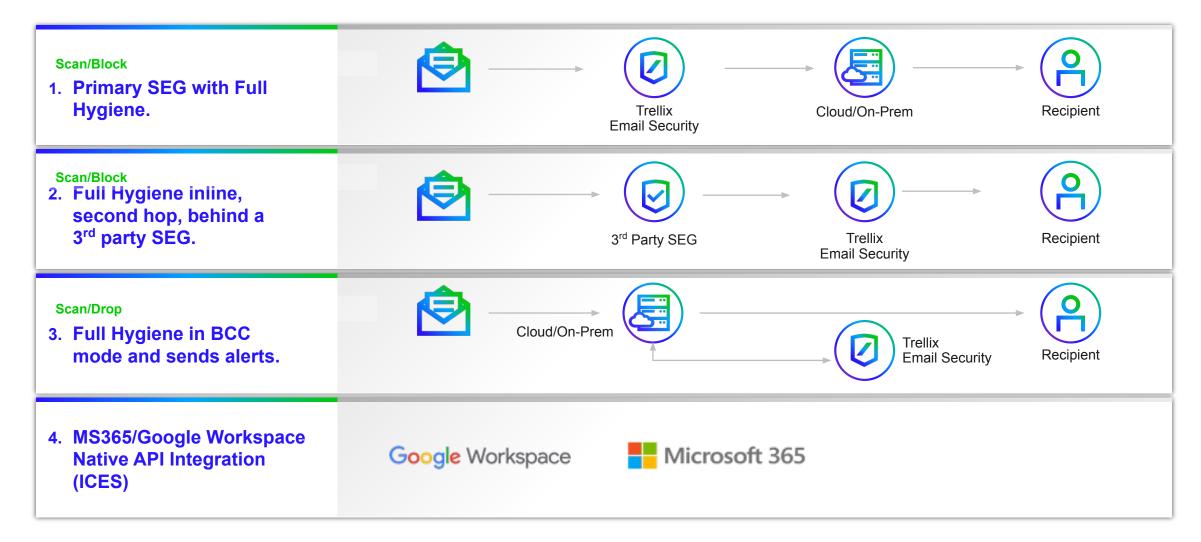
/, Trellix

Architecture

Trellix Email Security

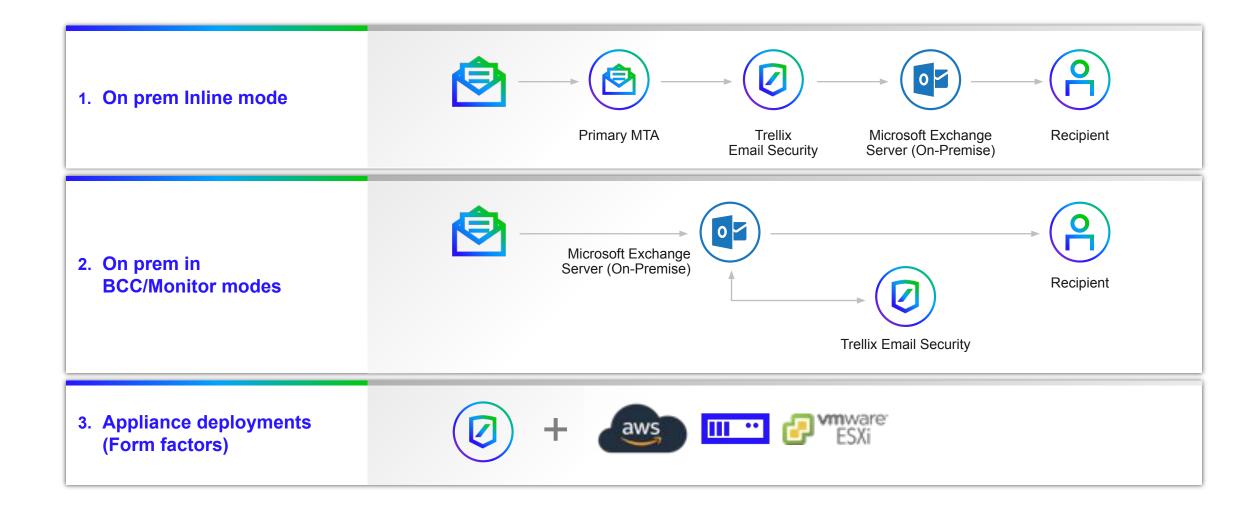


Email Cloud Deployment Options





Email Server Deployment Options





Email Security with IVX Deployment Options

1. Included with **Email Security Cloud**







2. On-premises In-Line Server







Collaboration & Enterprise **Applications**

3. Cloud and Virtual In-Line









aws







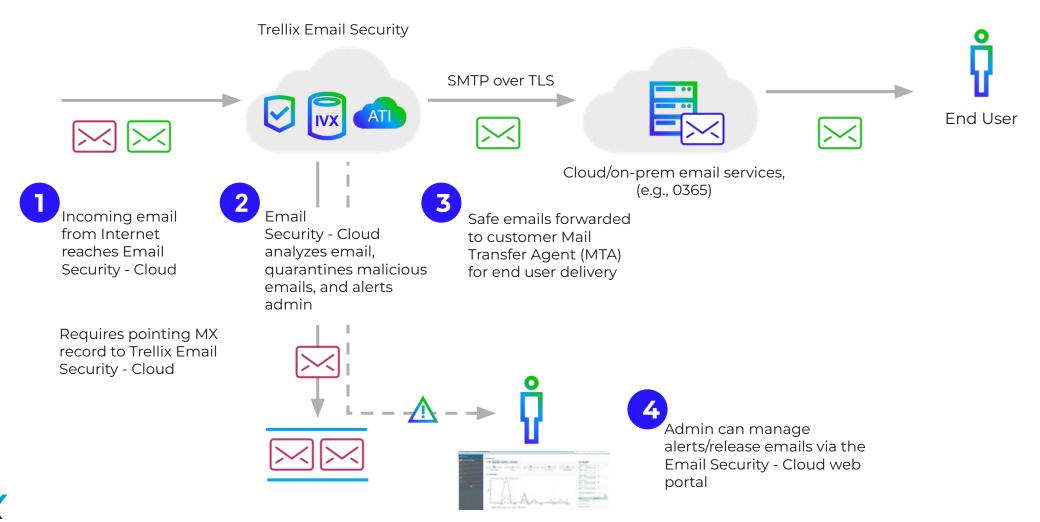
Collaboration & Enterprise **Applications**





Email Security - Cloud Inline Deployment

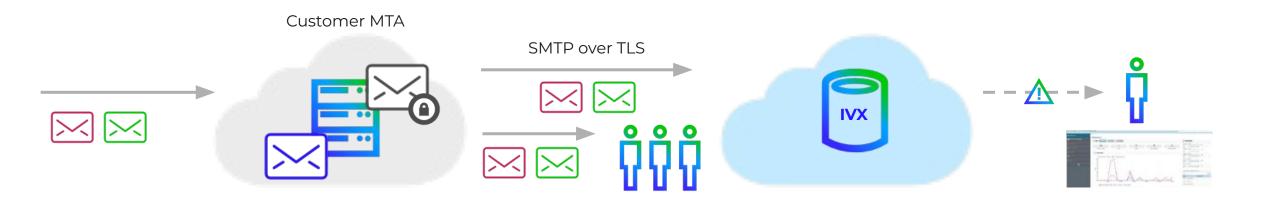
Inline Blocking Deployment





Email Security - Cloud BCC Deployment

BCC (Monitor) Deployment

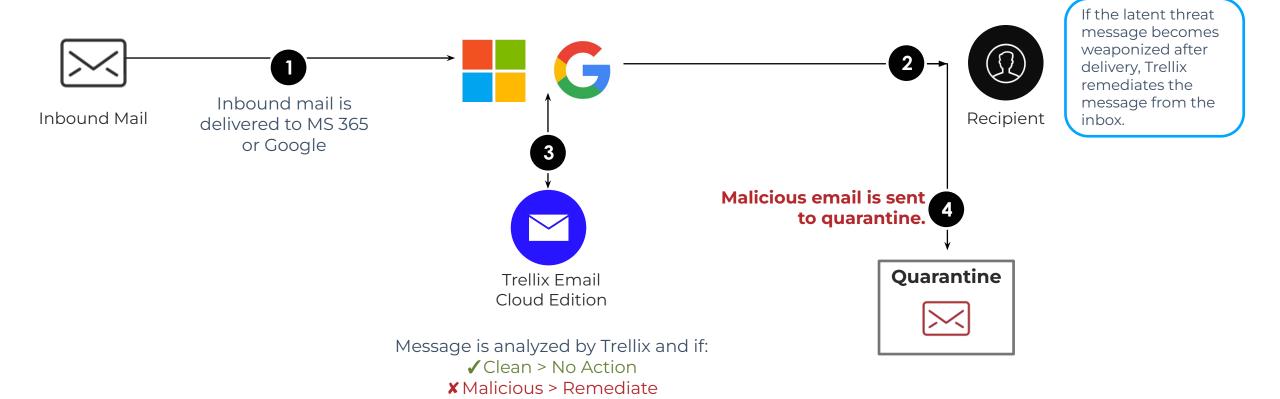


- Incoming email from Internet reaches customer MTA with antivirus/antispam(AV/AS)
- Customer MTA
 delivers email to end
 users
- Customer MTA
 configured with BCC
 transport rule, also
 forwards a copy of
 email to Email
 Security Cloud for
 analysis
- Admin receives
 alerts through email
 and can manage
 alerts via the Email
 Security Cloud web
 portal



Email Security - Cloud API Deployment

Native API Integration: Microsoft 365 or Google Workspace





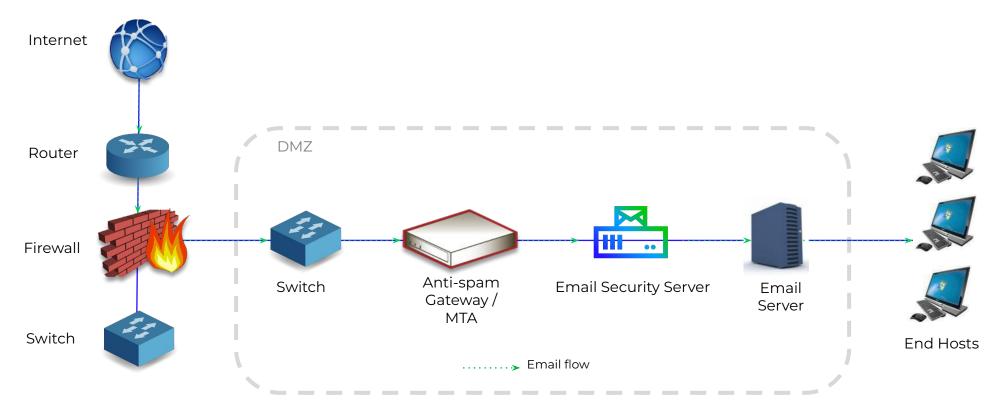


Email Security Server - Deployment Options

Inline MTA

- Email Security Server sits in the flow of email traffic
- Detection and protection of advanced attacks
- Malicious emails automatically quarantined

 Malicious emails never reach end user



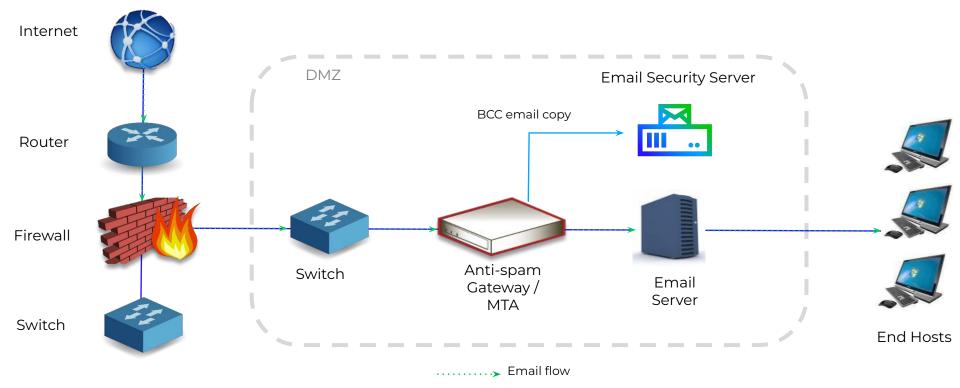


Email Security Server - Deployment Options

Out-of-Band / BCC Mode

- Email Security Server receives a copy of emails from MTA
- Detection of advanced attacks

Admins notified of malicious emails



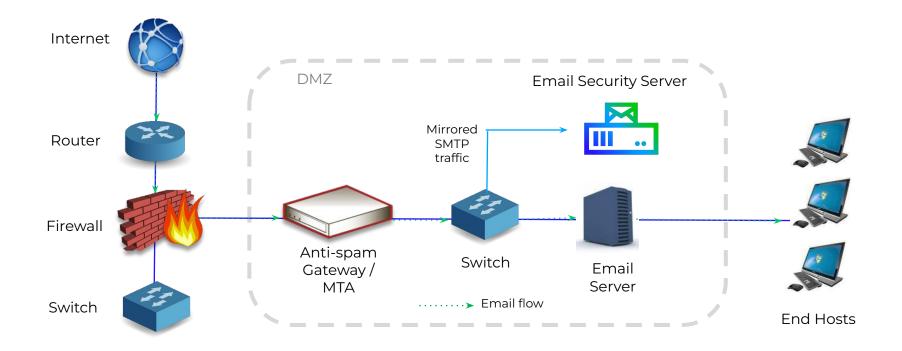


Email Security Server - Deployment Options

SPAN Mode

- Email Security Server reads SMTP traffic mirrored from SPAN port of switch to assemble and analyze emails
- Detection of advanced attacks

 Admins notified of malicious emails







Accelerate Analysis & Remediation



Remediate at Scale

- Intelligent detection automatically identifies and groups campaigns for one click remediation
- Take action on up to 10,000 emails at once
- Manage policies and inheritances for all domains in a single table



Quickly Gain Actionable Intelligence

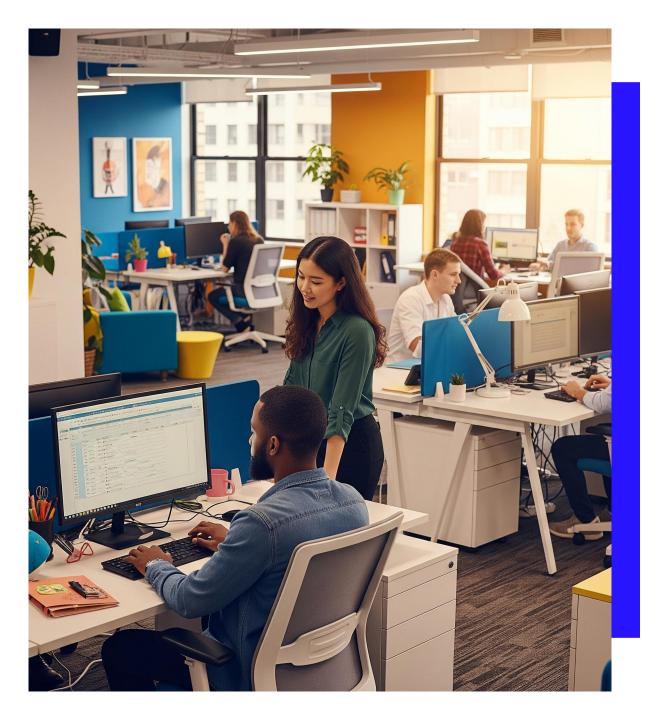
- Automated triage and threat summaries with agentic Al
- Learn what to do next based on best practices
- Interact with natural language for deeper insight and Q&A



Jump Start Investigations Across the Platform

 Stream email and collaboration metadata to Trellix Helix Connect to accelerate investigation and response workflows





Improve Response & Organizational Resilience

Reduce the time it takes to detect and take action against threats and transform your workforce into your strongest security asset with intuitive data security and timely, relevant phishing simulations

-//////////



Accelerate Analysis & Remediation



Prevent Exfiltration and Leaks with Data Security



Train a More Alert Workforce

Stop Phishing From Getting Through



Sender Relationship, Domain, and Impersonation

Check reputations, sender history, domain, and sender authenticity, examining content for impersonation tactics like typosquatting and spoofing

Context and Sentiment

Combine GenAl, ML, and NLP to detect subtle cues of malicious intent

Imagery

Discern the slightest pixel variations, accurately spot modified graphics, and inspect embedded URLs with intelligent virtual execution

QR Codes and Embedded URLs

Open and inspect QR paths and URLs, including URL rewrite, click protection, and deep inspection of multi-hop and other methods to thwart obfuscation

Post-Delivery

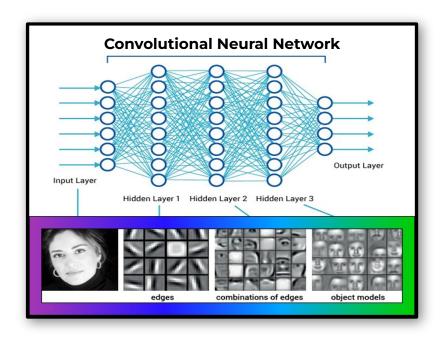
Run an additional scan including multi-hop inspection of URLs to catch post-delivery weaponization

Deep File Inspection

Deep file inspection and virtual execution across 200 environments at enterprise speed capable of over 2,000+ simultaneous executions

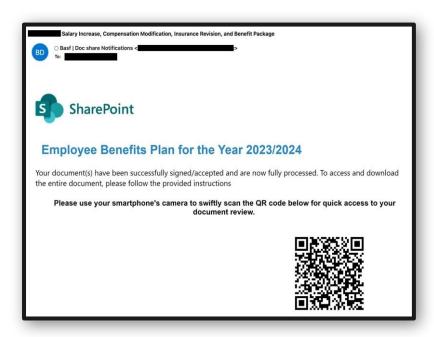


Hidden in Imagery or Behind QR Codes



Deep, Multi-layer Image Analysis

Convolutional neural networks (CNN) synthesize layers of an image, down to the individual pixel. These are compared with existing brand and web imagery for a highly effective technique to uncover common impersonations techniques involving vendor web sites and login pages.



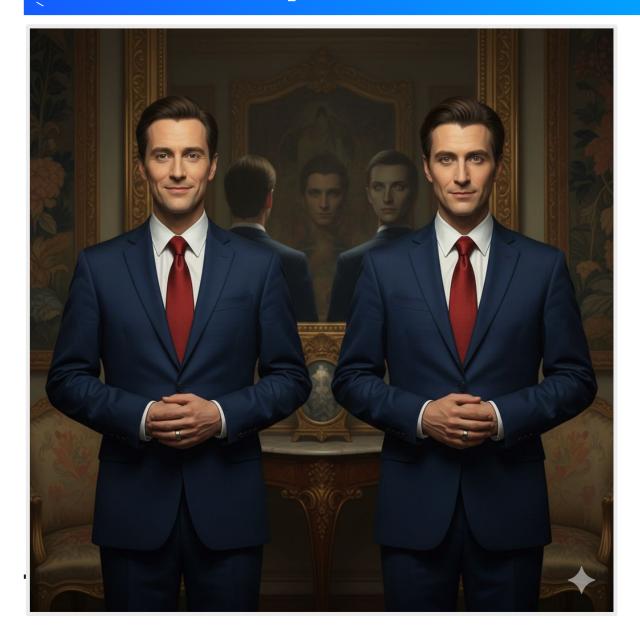
Embedded URL Detection

Using computer vision, AI that trains computers to "see" and interpret the visual world, QR codes or other images are identified and their URLs are traced and analyzed for malicious intent.

Instructions embedded in an image are similarly followed, tracing the results to uncover nefarious activity.



BEC & Impersonation Detection



Relationship Analysis

Analyzes reputations and relationships, tracking sender history to identify anomalous patterns.

- How often do the two parties communicate?
- Across our customers, how often do customers receive mail from the sender?
- What does normal traffic volume look like?

Domain Analysis

Checks for impersonations

- When was the sender domain created or first observed?
- Typosquatting and/or sender display/username spoofed?

Context and Sentiment Analysis

Combines a layered approach of GenAl, ML, and NLP to detect subtle cues of malicious intent in the words used when no payload exists

- Tones of urgency or panic
- Attempts to communicate outside corporate systems
- Conversational patterns and much more

Real-Time URL Understanding



Pre-Delivery

Checks against Trellix's massive known URL database to identify previously identified malicious URLs

- Process +10M URLs / Day
- Extensive multi-hop analysis plus impersonation detections
- Trellix continually monitors social media and other threat research blogs for the latest insights into attacker techniques and emerging campaigns

Post-Delivery Weaponization

Thwarts would be attackers hoping to avoid initial checks by activating their malicious sites after an email has entered targets' inbox

- In addition to pre-delivery checks, URL rewrite is applied for click-time detection
- Trellix modifies the URL to point to Trellix's security infrastructure rather than the original page

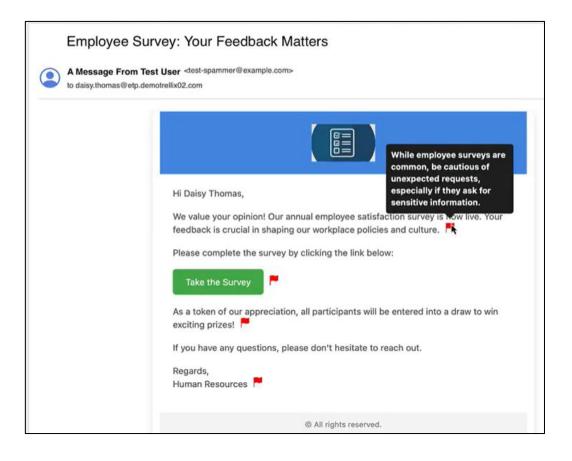
Safe: User is allowed to proceed to original as intended Suspicious: User is sent to a warning page indicating risk Malicious: User is sent to a page informing of malicious content and blocked

 Claw-back (M365 & Google): In ICES mode, if an email is later discovered as malicious through other means, Trellix is able to scan user inboxes for similar messages and retract them post-delivery



ETrain a More Alert Workforce

Trellix Phishing Simulator (add on feature to Email Security Cloud)



Educate on the Latest Threats

Use GenAl to develop real-world attack simulations based on the latest phishing techniques to help enhance realism and identify areas of potential risk.

Reinforce Vigilance and Awareness

Employees receive immediate feedback with interactive training and specific guidance to reinforce education.

Effortless Deployment

Simplify campaign rollouts through automation, Al-powered tools, pre-built templates, and intuitive wizards to enable low-touch campaign creation and deployment.

Actionable Analytics

Move beyond basic click rate tracking to performance insights. Track repeat offenders, measure training effectiveness, and generate executive-ready reports that demonstrate ROI.

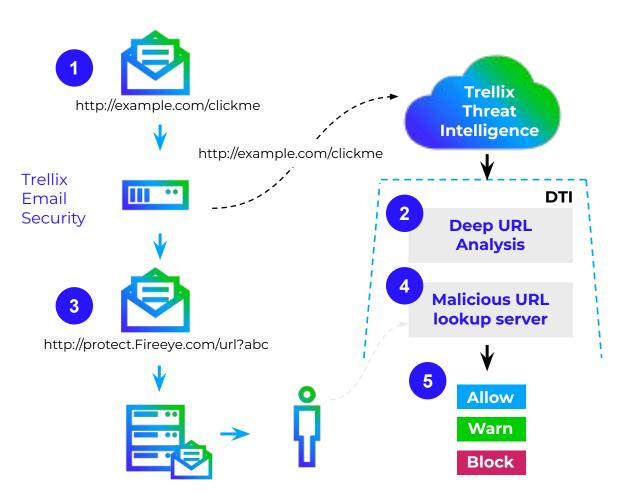
Address Cyber Insurance Needs

Many cyber insurance policies require phishing simulators or give discounts based on usage.



Advanced URL Defense

Detection of Spear Phishing Websites (URLs & Content)



- ETP checks AUD fast path if suspicious URL is known to be malicious
- Unknown suspicious
 URLs submitted to
 AUD Slow Path for real
 time analysis
- URL is rewritten and email delivered to prevent delays (inline deployments only)
- End user redirected to warning page upon clicking suspicious link
- Based on results of lookup, URL access either allowed, warned or blocked

Overview

- Detects zero-day, low-volume, highly-targeted phishing attacks
- Analyzes website content for malicious behavior by scanning the whole phishing site (links, content, etc.)

Benefits

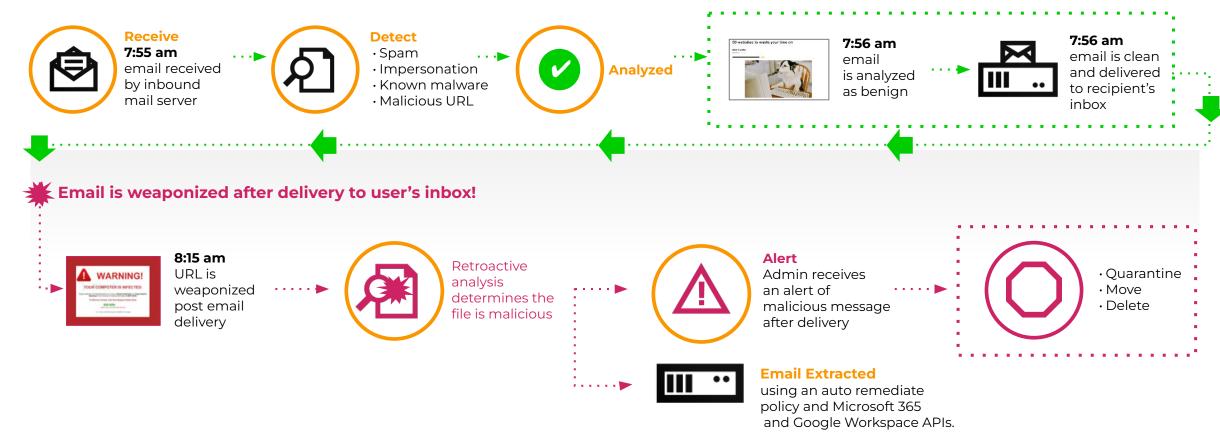
- High-fidelity detection
- Blocking of multi-stage malware and evolving URL based threats
- Low false positive rate
- Simplified alert prioritization and faster attack prevention



Integrated Investigation and Response

How We Achieve It

Clawback emails after delivery





Introduction - Phishing Simulator



Our Understanding

- 80-95% of all social engineering attacks begin with a phish.
- 4,151% increase in malicious emails since the launch of ChatGPT.
- \$4.76M is the global average cost of a phishing breach.



Required Capabilities

- Advanced phishing training with comprehensive strategy.
- Extensive reporting and analytics for actionable insights..
- Simplified security administration, with low-touch creation.



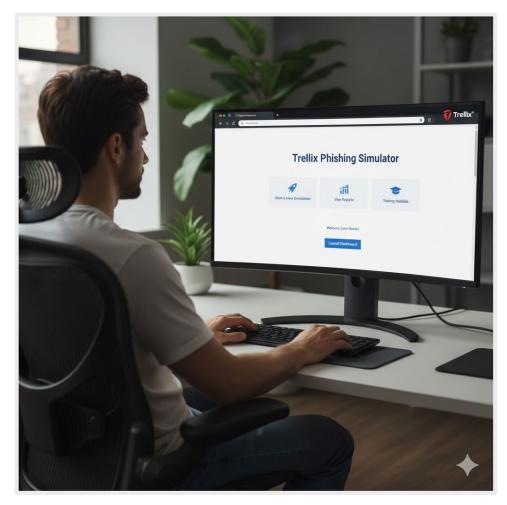
Business Outcomes

- Strengthened organisation security posture.
- Increase productivity with reduced creation and administrative efforts.
- Reduce security fatigue through cue based training for employees.



Trellix Phishing Simulator

Promote a More Alert Workforce



Educate on the Latest Threats

Use GenAl to develop real-world attack simulations based on the latest phishing techniques to help enhance and identify areas of potential risk.

Reinforce Vigilance and Awareness

Employees receive immediate feedback with interactive training and specific guidance to reinforce education.

Effortless Deployment

Simplify campaign rollouts through automation, AI-powered tools, pre-built templates, and intuitive wizards to enable low-touch campaign creation and deployment.

Actionable Analytics

Move beyond basic click rate tracking to performance insights. Track repeat offenders, measure training effectiveness, and generate executive-ready reports that demonstrate ROI.

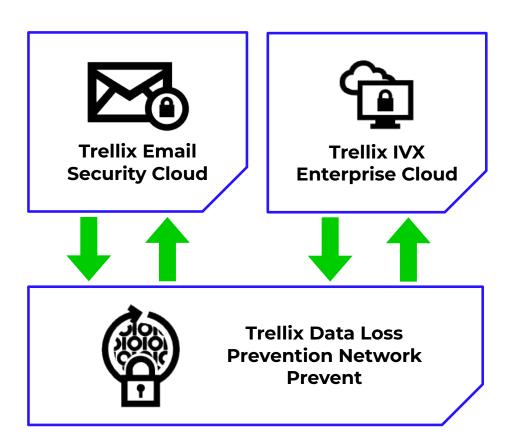
Address Cyber Insurance Needs

Many cyber insurance policies require phishing simulators or give discounts based on usage



Prevent Data leaks and Maintain Compliance

Trellix Data Security



Protect sensitive business data

Monitor and block data exfiltration by insiders and accidental sharing across your email and collaboration channels.

Simplify regulatory compliance efforts

Choose from dozens of pre-built policies for all major compliance frameworks to strengthen your compliance posture.

Gain granular policy control

Leverage the flexibility to easily customize pre-built policies or create new ones using a simple policy builder.

Simple, reliable deployment and control

API-based integration provides enterprise-grade protection that is easier and more reliable to deploy than complex SMTP routing.

Accelerate incident investigations

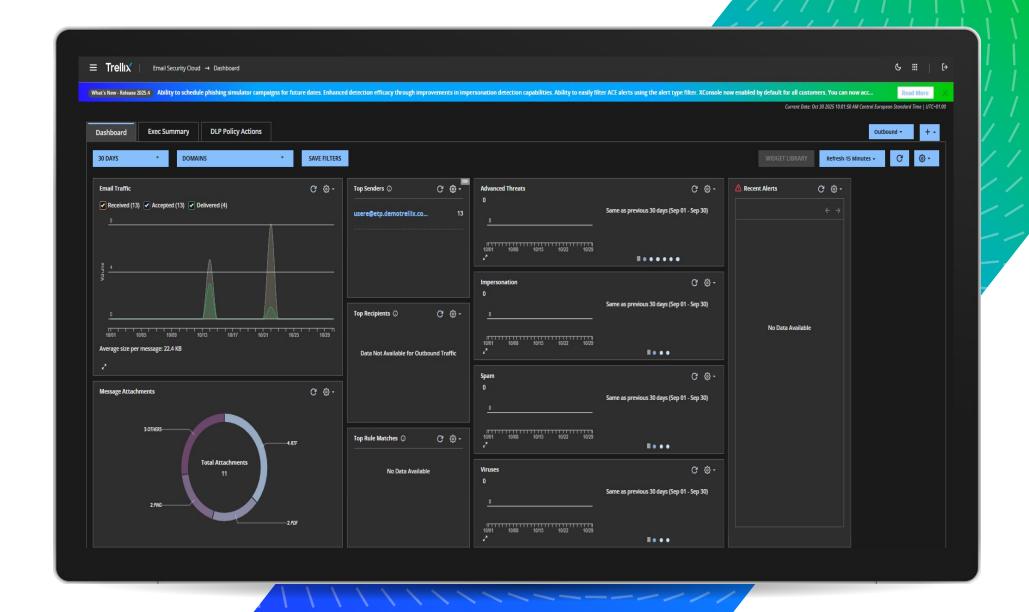
Captured data events provide admin teams with greater visibility and control for forensics directly within the security console.

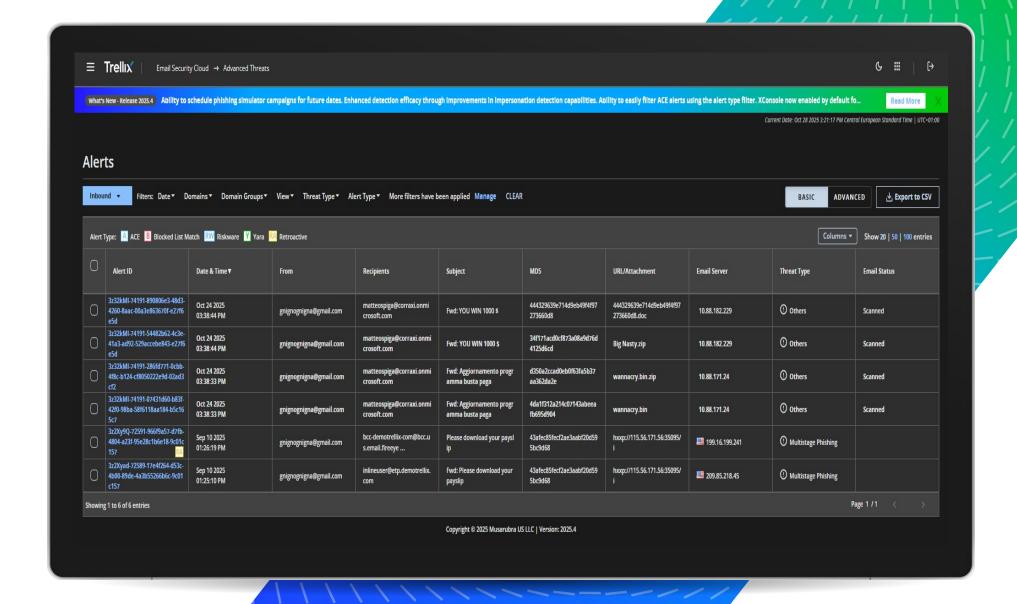




DEMO

Trellix IVX





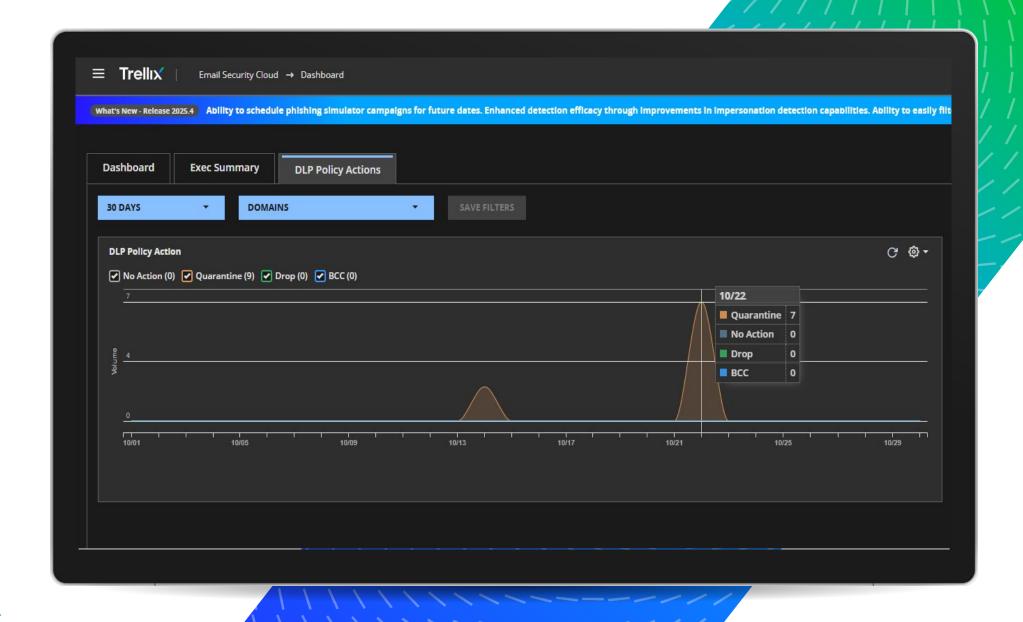


Alerts

Email analysis results

	Not Performed	Fail	Pass
Spam	S	S	S
Virus	V	V	V
Advanced Threats	AT	AT	AT
	Not Performed	Drop / Quarantine	Others
Policy Action	PA	PA	PA

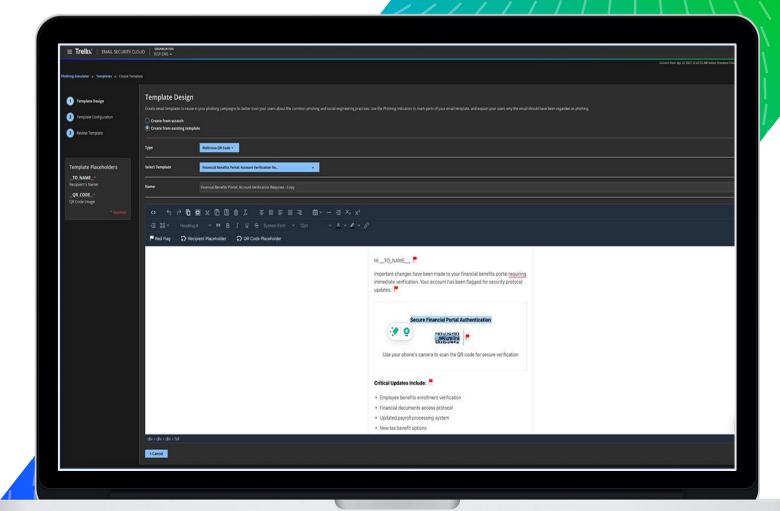




Advanced Phishing Simulations

Design simulations based on environment, region, and industry using Al-powered templates.

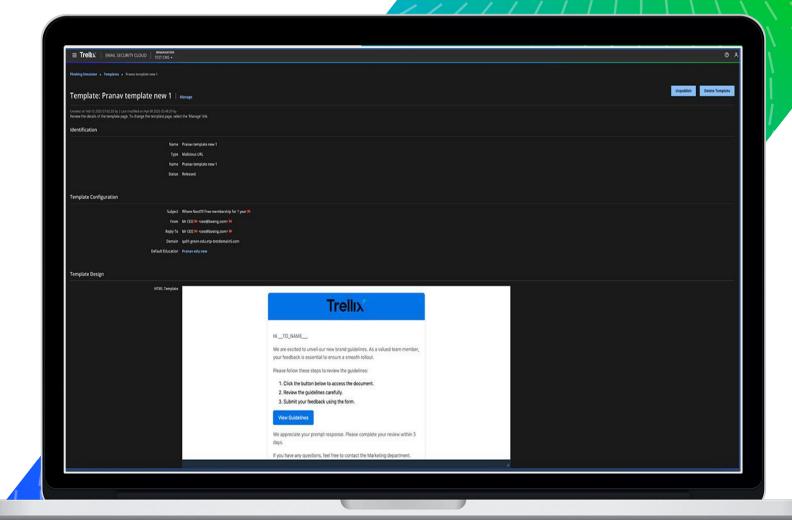
Support attack vectors such as business email compromise, quishing, and more.





Personalized and Effective Training

Provide relevant training tailored to employee needs and interactive remediation training to reinforce learning.

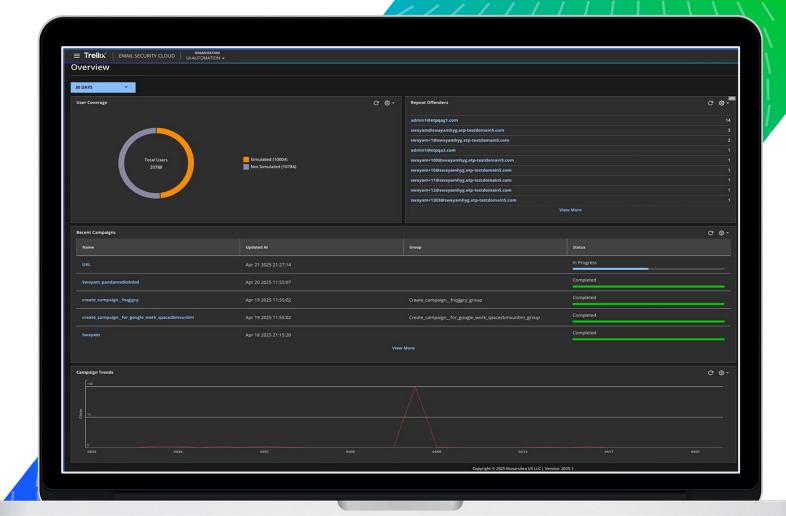




Actionable Analytics and Reporting

Deliver actionable data and metrics through automated reporting.

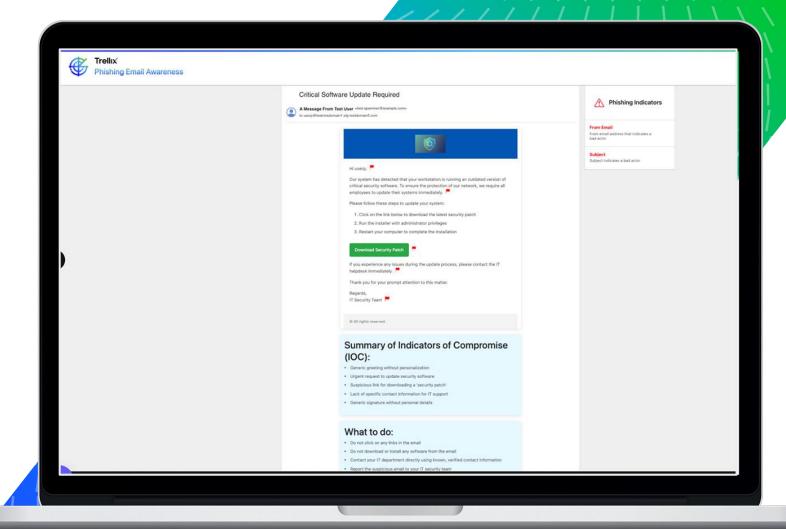
Identify and report on real and simulated phishing attacks.



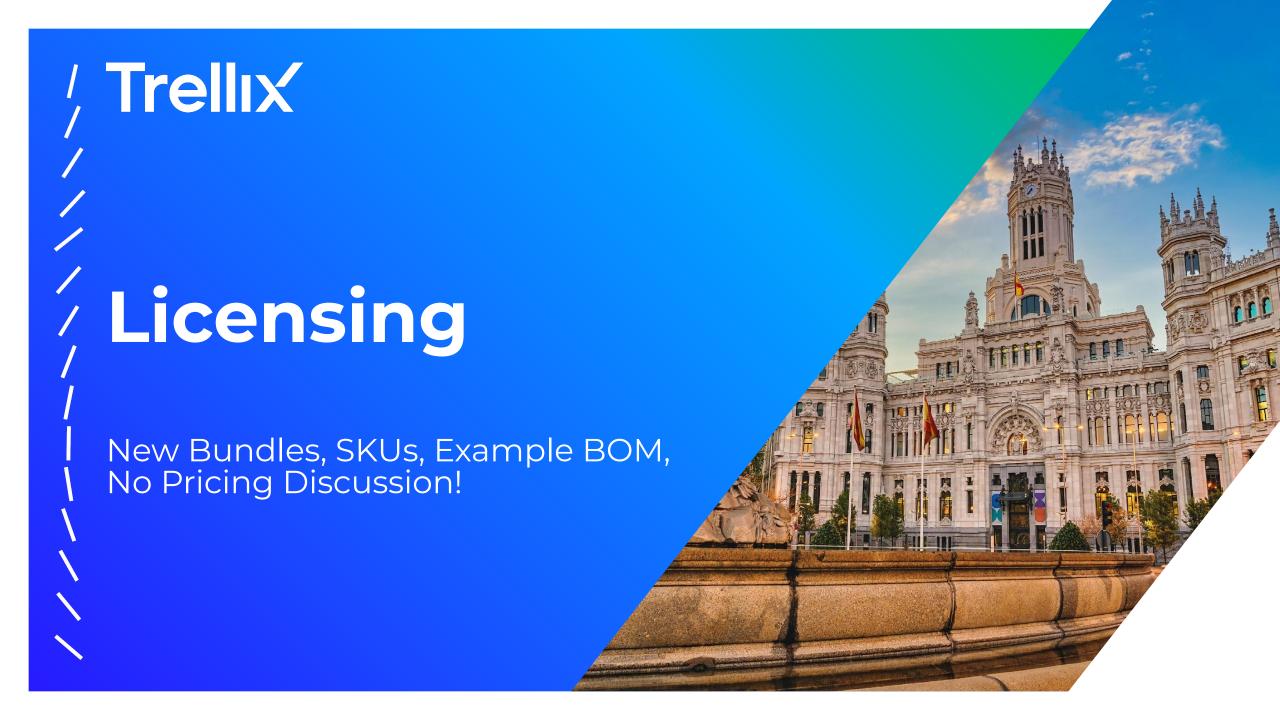


Enhanced User Experience

Increase administrator productivity with GenAl assistance. Easily build custom employee landing pages with an intuitive training experience.







Trellix Email Security Offerings - Cloud

Protecting customers against the #1 attack vector

Trellix Email Security Cloud deployment Types:

- Email Security Cloud with AntiVirus / AntiSpam Edition (deployed as a secure email gateway) Email Security Cloud without AntiVirus / AntiSpam Edition (deployed behind secure email gateway)

Trellix Email Security for Office 365:

Either of the Email Security Cloud deployment types + IVX Enterprise Cloud

SKU	Capabilities	
Per user-based subscription pricing		
EMCL	Email Cloud without AntiVirus/AntiSpam functionality	
EMCA	Email Cloud including AntiVirus/AntiSpam functionality.	
EMCLVX	 Email Security for Office 365 (Protects Office 365 including Email + Sharepoint + Teams + OneDrive) Email Cloud with AntiVirus/AntiSpam functionality, IVX Enterprise Cloud and Trellix Phishing Simulator 	



Trellix Email Security Offerings - Server

Protecting customers against the #1 attack vector

Trellix Email Security Server

• Email Security Server Edition

Requires either deployment of physical or virtual appliance

sku	Capabilities	
Per user-based subscription pricing		
EMUSE	Email Security Server Edition	
EM-VA-T	Email Security VM Deployment Option	
EM7700-BM-VA	VM Deployment Option - AMI (Amazon Machine Image) image for c5 Metal AWS instance	
EM2500-VA	VM Deployment option with IVX integrated - No Separate IVX (Intelligent Virtual Execution) is needed.	
EM3600 / 5600 / 8600	Appliance HW unit	





We Catch What Others Miss



Targeted attacks missed by Microsoft across 1,679 customers



Targeted attacks missed by Proofpoint across 962 customers



Targeted attacks missed by IronPort across 871 customers

"The Trellix detection engines are more capable compared to others and the catch rate is higher."

Dir. Information Security Major Transportation/Logistics company



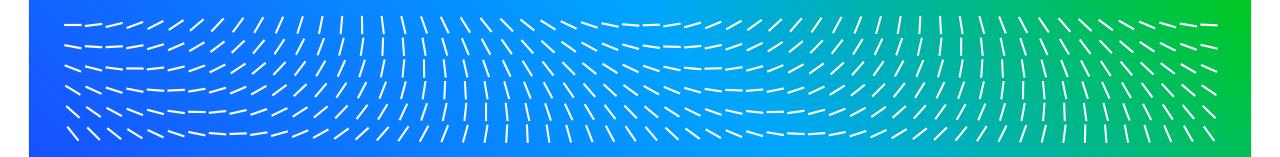
/, Trellix

Vision and Strategy

with Rahul Iyer

Principal, Product Management





Trellx