

Cisco E-Mail Security Webinar

29. September / 8. Oktober 2020



Cisco Email Security

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Technical Solutions Architect
September 2020



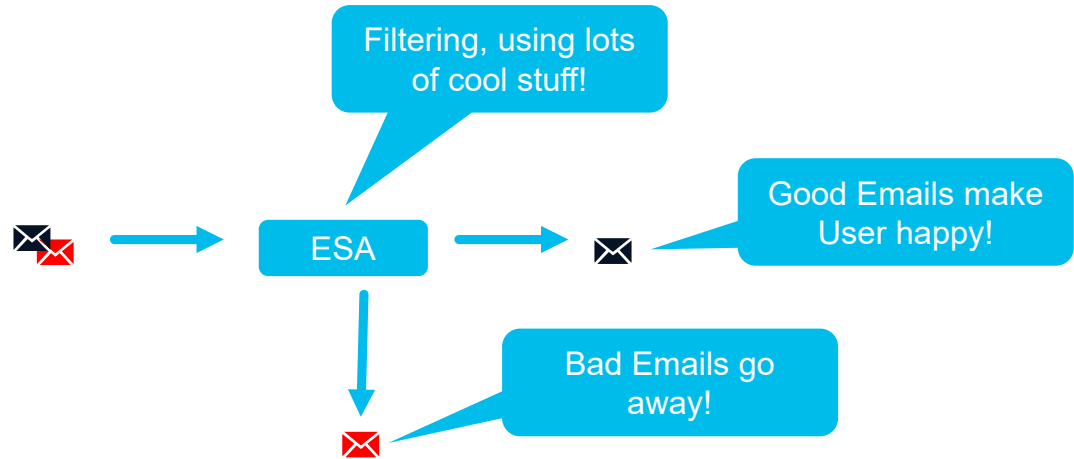
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2

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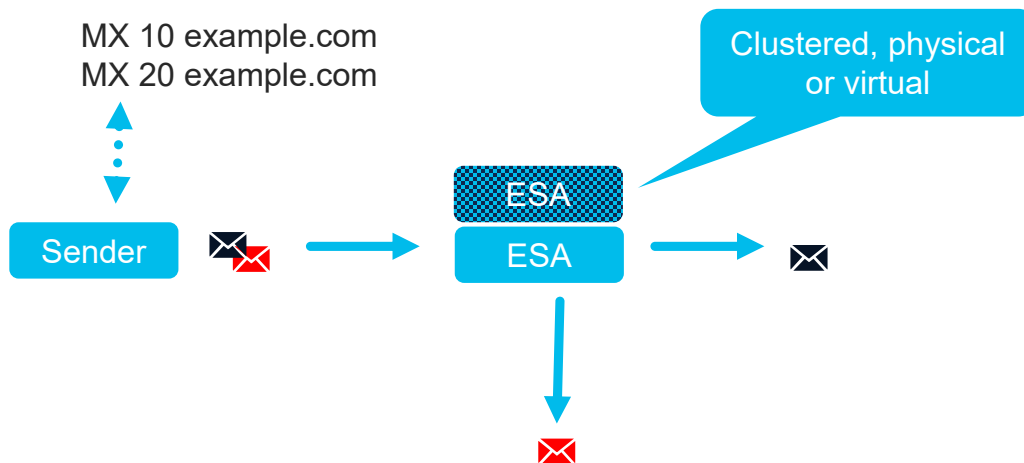
Email Security – High Level Overview....



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3

Email Security – High Level Overview....



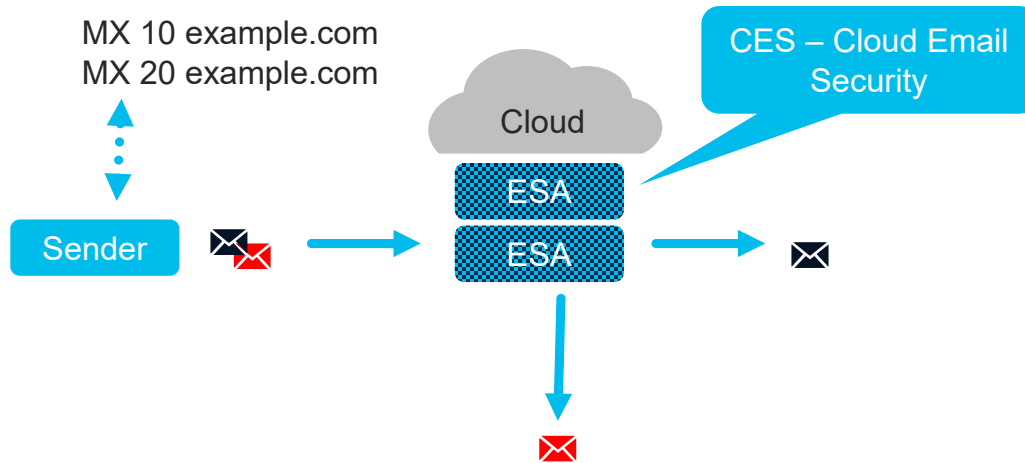
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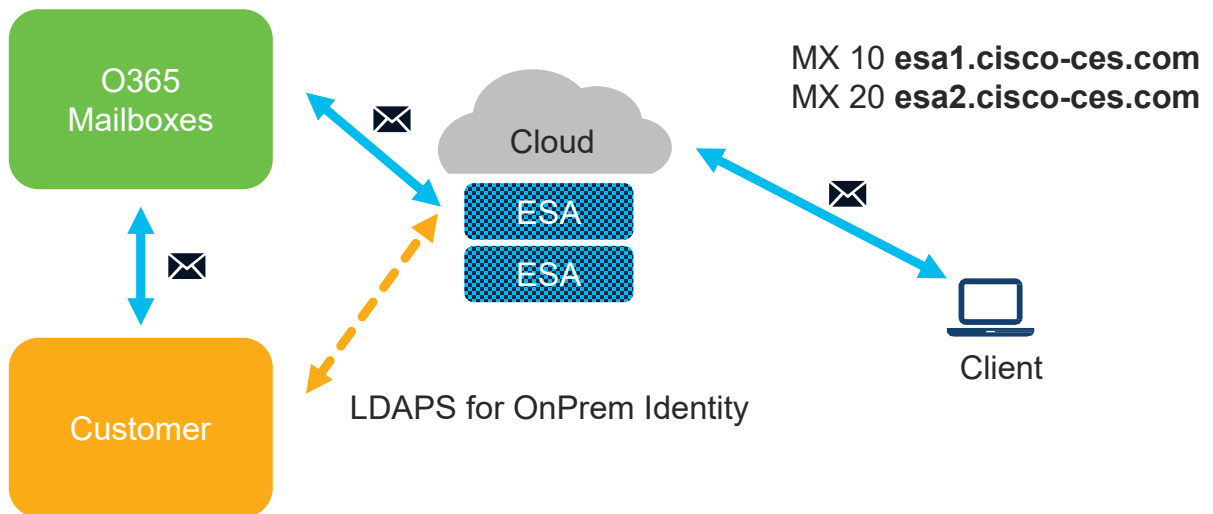
Email Security – High Level Overview....



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Email Security – High Level Overview....



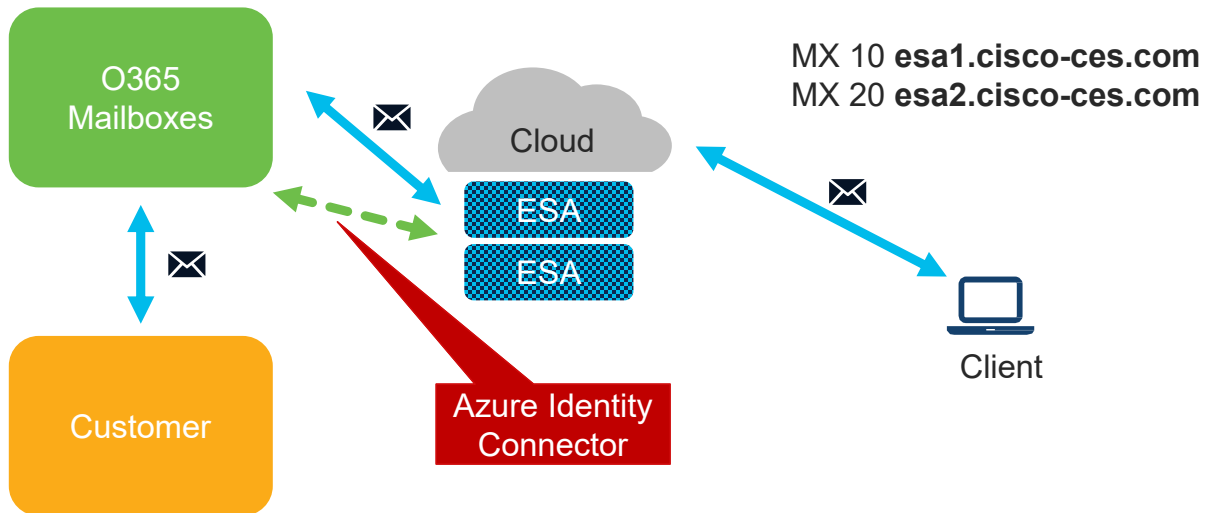
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Email Security – High Level Overview....



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7

Traditional gateway vs. Cisco ESA

- Acting alone in the network
- Using multiple engines like Antispam, antivirus
- Receiving regular security updates from central vendor repository focused on email security
- Integrating Threat Intelligence across the network
 - Input from NGFW, Web, IPS, network anomalies
- Providing visibility in Threats also outside the email vector with SecureX
- Malware Analysis from network entry until the endpoint
 - “AMP everywhere”

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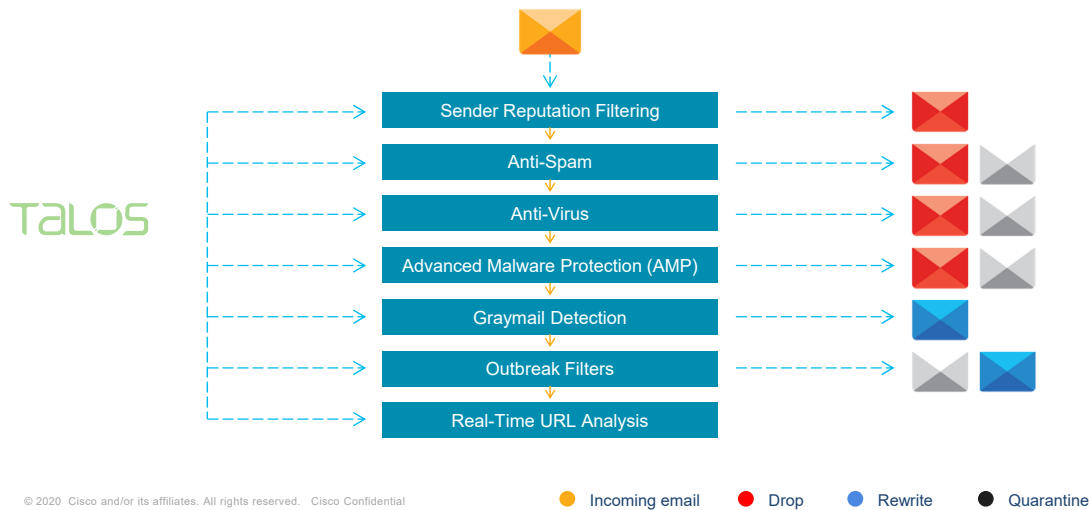
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Talos on Cisco Email Security

Protecting Incoming Email



Block Fraudulent Senders

Protect against business email compromise (BEC – Business Email Compromise)



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Stop URL-Based Threats

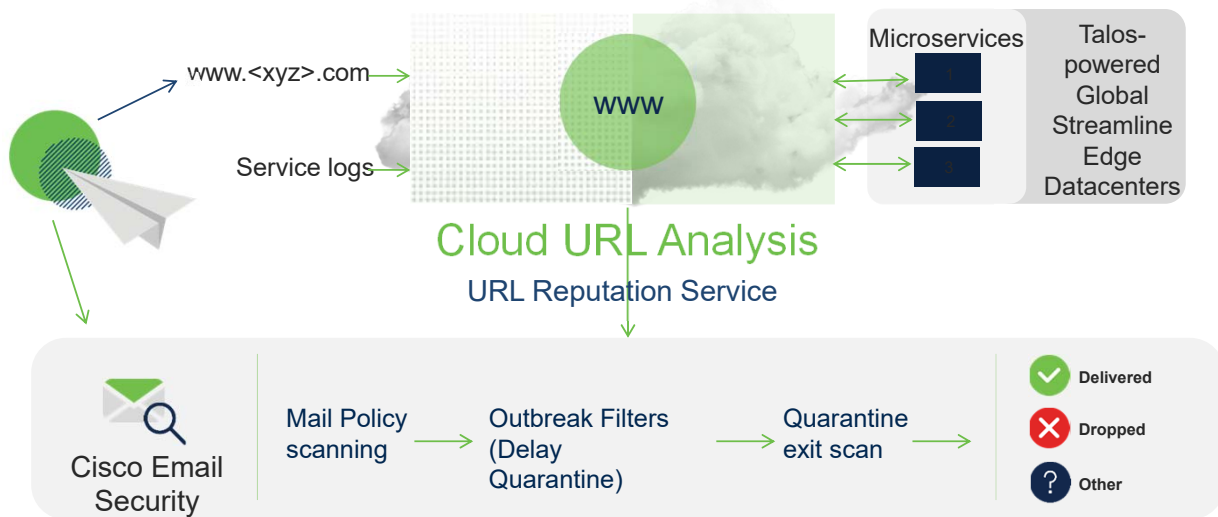
Protect against phishing, and ransomware with deep inspection



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Cloud URL Analysis (CUA)



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Automatically Remove Malicious Files

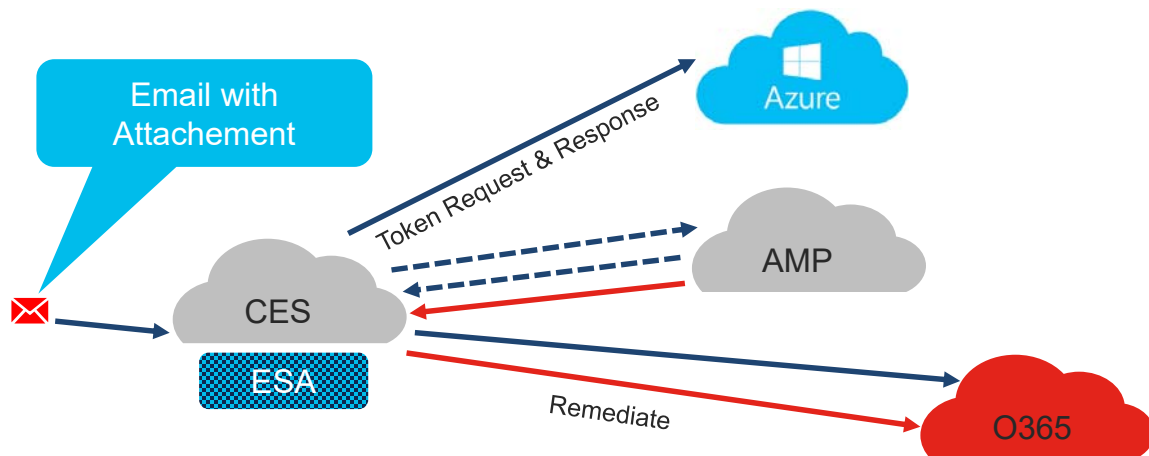
Combat ransomware in attachments



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Auto Remediation with O365



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14

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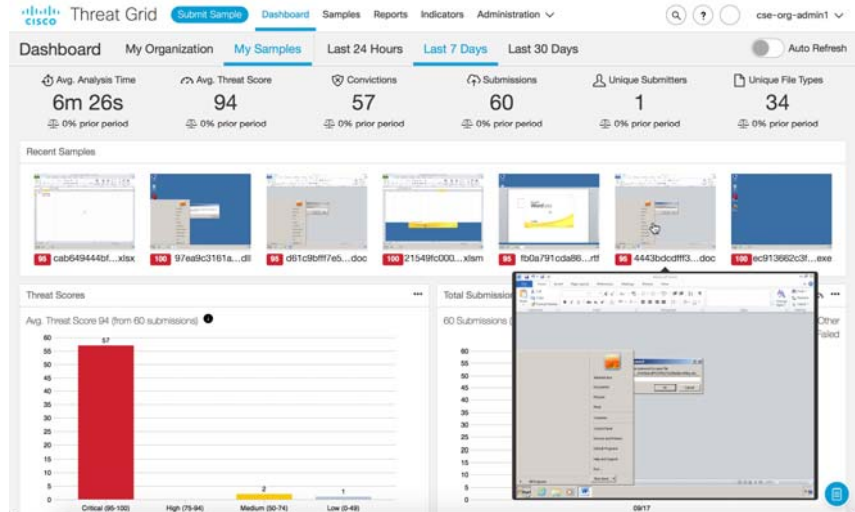
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Full Access to your Threat Grid Environment

ThreatGrid Cloud Account

Get full access to your private TG Instance in the Cloud

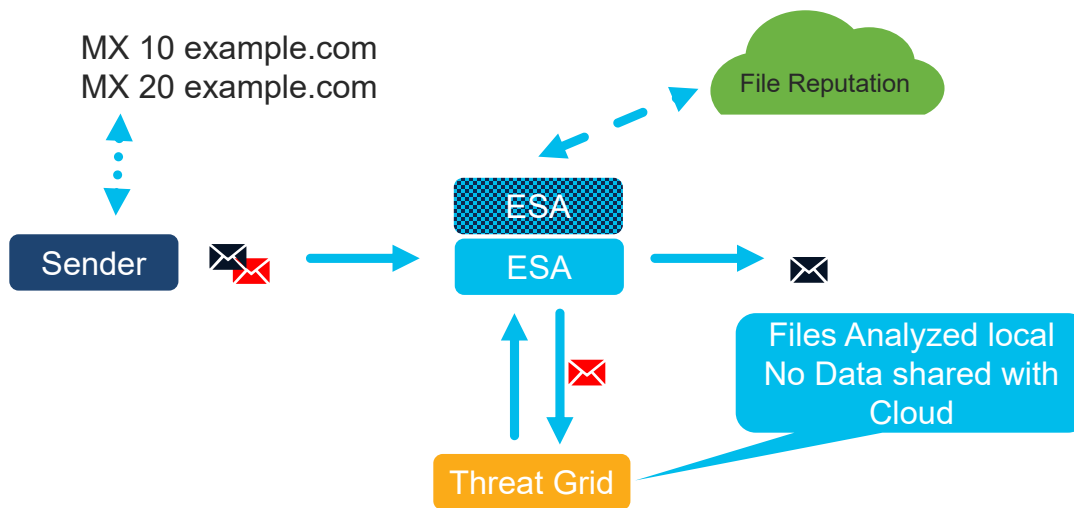
Download files, manually upload files for analysis, comprehensive statistics, watch recorded video



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Email Security with AMP Local File Analysis



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SecureX and Cisco Email Security

Connect With Your Entire Security Infrastructure



Integrate everything in your environment to unify visibility, enable automation, and strengthen security

- Reduces complexity involved with the planning and administration of email security.
- Improve compliance monitoring.
- Automate investigative and response actions using threat response feature of SecureX.
- Harmonize email policy management and enhances threat protection.
- Unify advanced sandboxing with threat intelligence to strengthen malware defense.
- Augment data loss prevention and content encryption capabilities to safeguard sensitive information.

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17

SecureX threat response and Email Security

Email Security integration



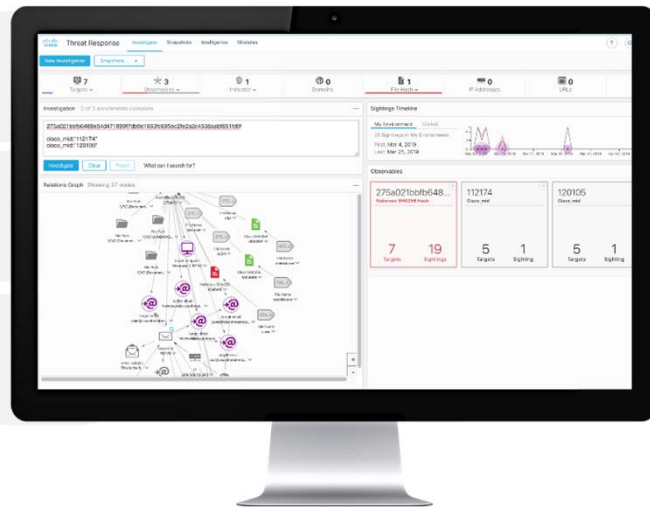
Understand email as a threat vector by visualizing message, sender, and target relationships in the context of a threat



Search for multiple email addresses, subject lines, attachments at once to understand how a threat has spread



Expand visibility for your SOC into email and other threat artifacts

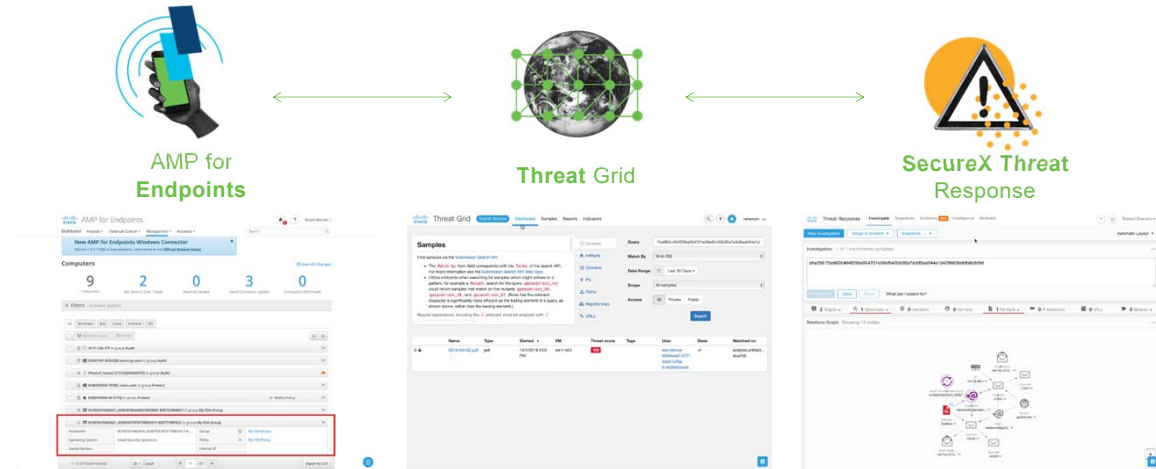


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18

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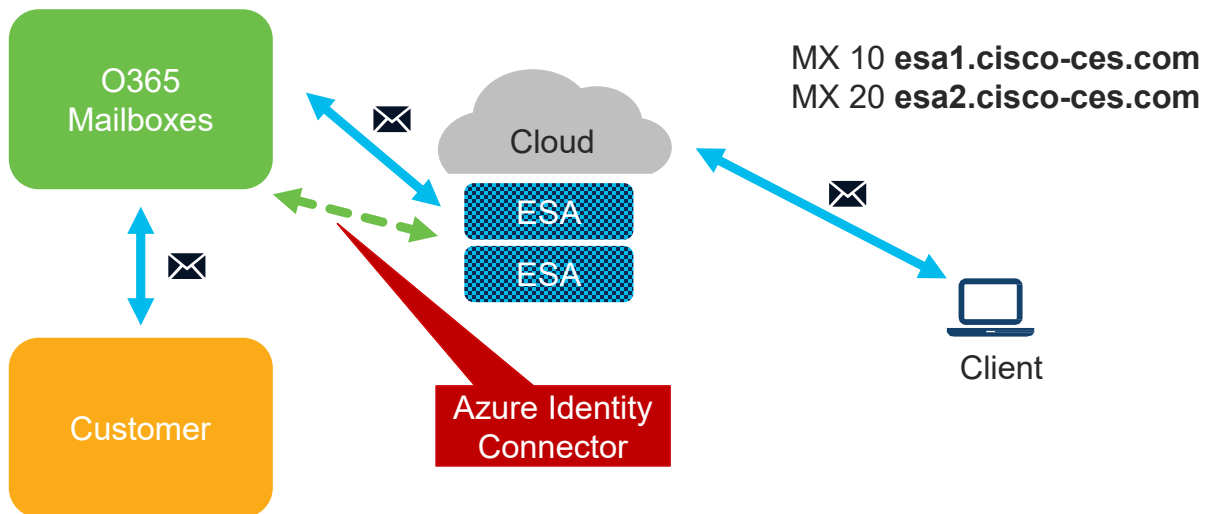
Cisco Email Security and Cisco integrations



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19

O365 & CES – High Level Overview....



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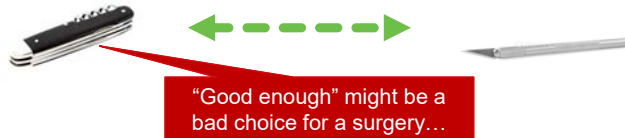
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Adding value to O365

- Higher Efficacy for detecting malicious emails through Threat Intelligence powered by TALOS



- Fully accessible Sandbox system
- Detailed tracking and reporting for optimized OPEX
- Visibility across the network through SecureX
 - Email, Web, Firewalling, Endpoint , Network Anomaly detection & 3rd party

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21



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Cloud Mailbox Defense for O365

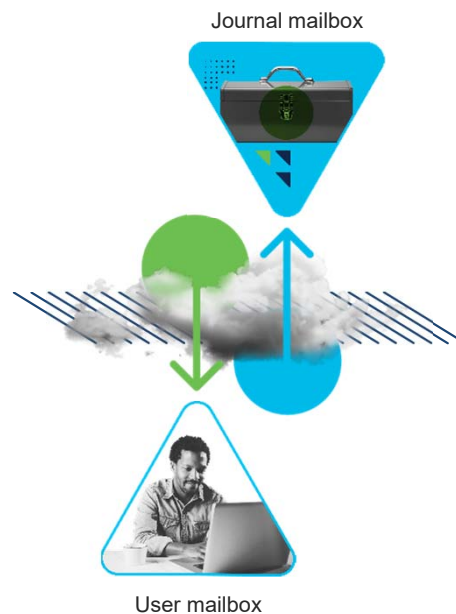


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23

Journaling

- ✓ Invented for legal archiving and record retention
- ✓ Creates a new copy of every message sent or received
- ✓ Copy is sent to an external mailbox with all the original headers intact



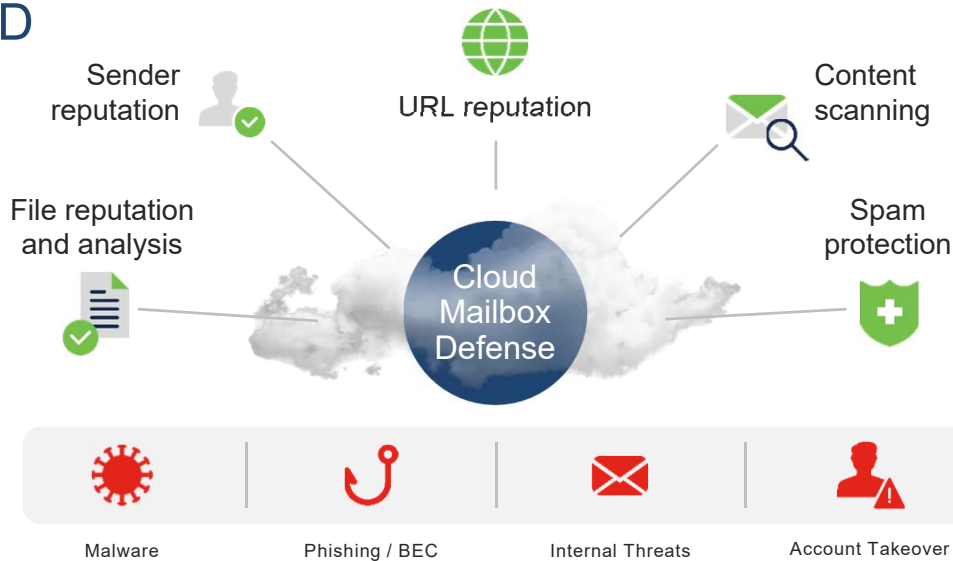
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¹Cloud file analysis is optional 24

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Deployment made easy

- Fully functional in 5 minutes
- No operational risk
- No changes to mail flow or DNS
- Track all messages, including internal



Two-step deployment



Instant tracking and reporting



No risk to mail delivery

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26

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Cloud Email Security

Cloud Mailbox Defense

Cisco Email Security

Advanced Phishing Protection

Cisco Domain Protection

Security Awareness Training

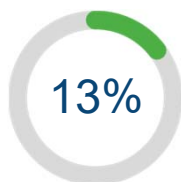
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27

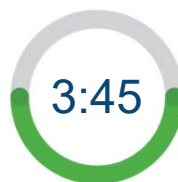
Advanced Phishing attacks use identity impersonation



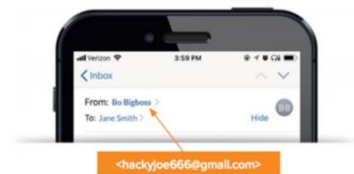
open malicious emails



click on malicious attachments

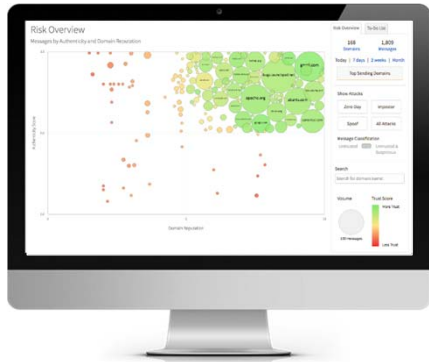


until first user is compromised



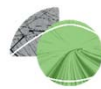
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Protect against fraudulent senders



Advanced phishing protection

Analyze and manage untrusted, suspicious messages – mapping trust to email



Risks at
glance



Trust
mapping



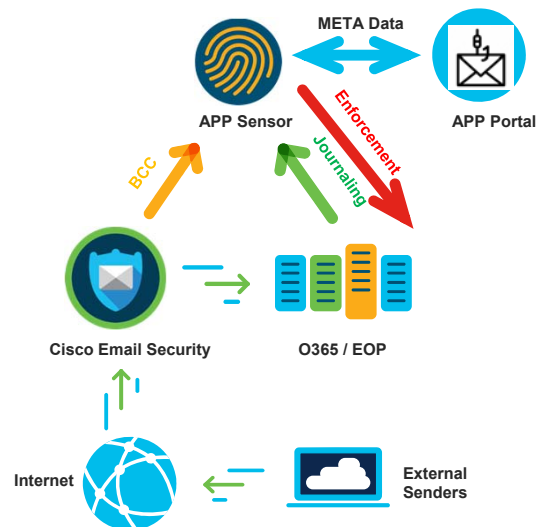
Detailed
analytics

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Cisco Advanced Phishing Protection (APP) Deployment

- Identifies highly targeted attacks like Spear-Phishing and identity deception
- Leveraging machine learning and trust modelling of the email traffic
- Actions can be enforced like quarantine due to integration with O365 APIs
- APP Sensor can be OnPrem, Cloud-based or ESA Integrated (13.5)



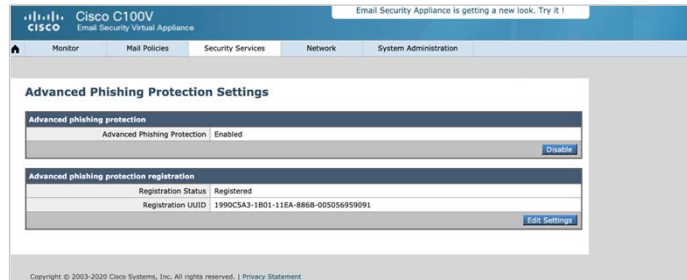
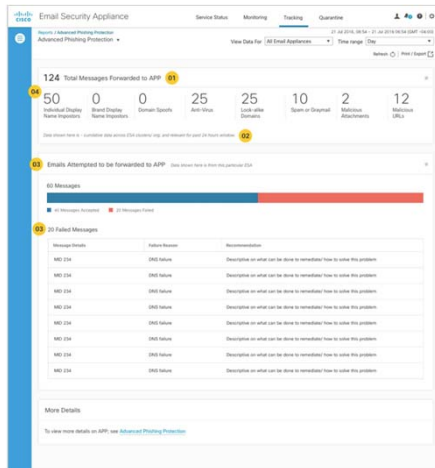
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30

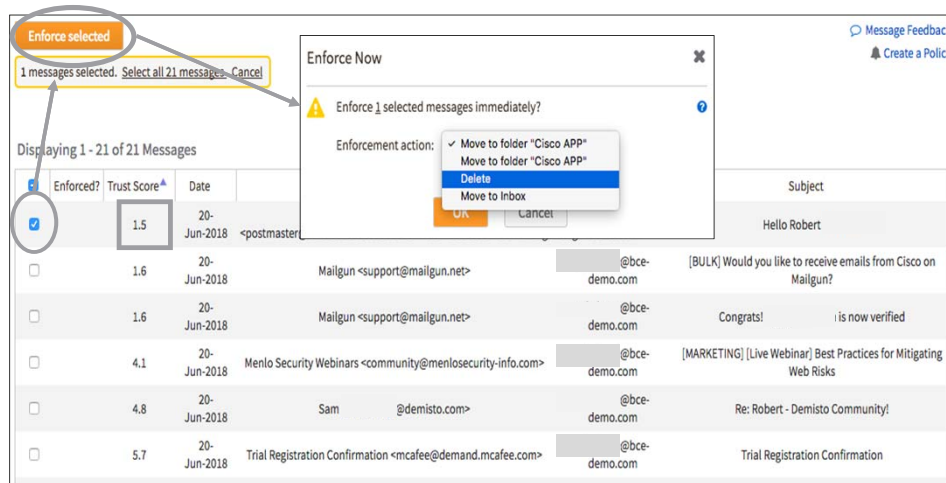
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Advanced Phishing Protection sensor integration

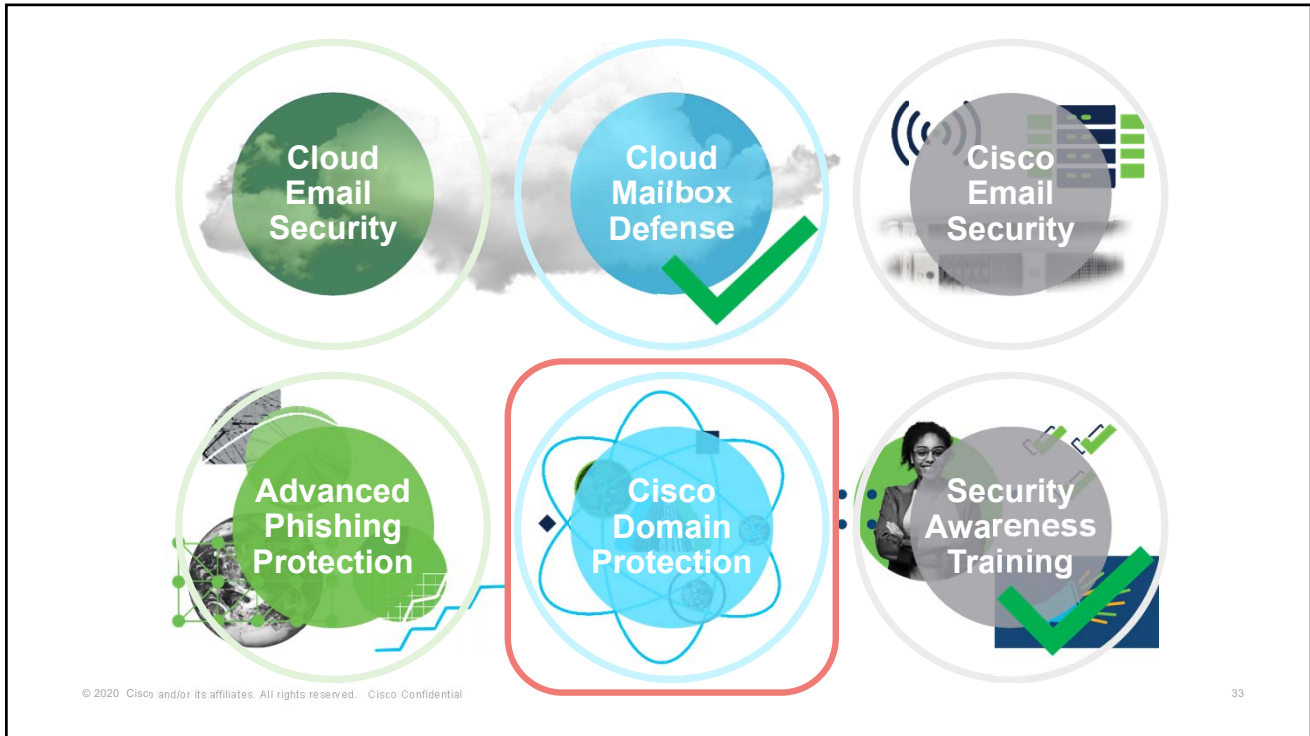


Remove compromised emails with Advanced Phishing Protection



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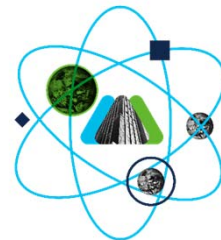
Cisco protects your data and brand



Data Loss Prevention



Cisco Registered Envelope Service



Cisco Domain Protection

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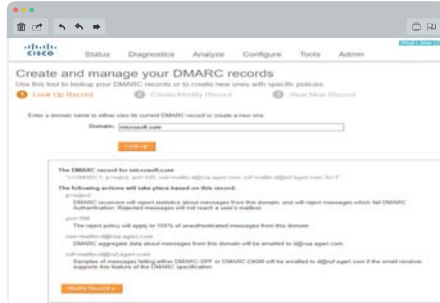
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Protect Your Brand

Cisco Domain Protection



Block attackers from using your domain

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Protect your brand

- Easily analyze, update and take action against those misusing your domain to send malicious email
- Validate those who use your domain appropriately

Automate DMARC authentication

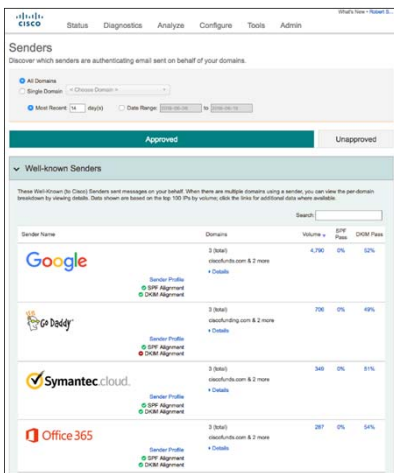
- Compliant with new US Department of Homeland Security Regulations
- Drive to DMARC Enforcement with proven tools and services



35

Protect Your Brand

Cisco Domain Protection



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Identify all outgoing mail sources



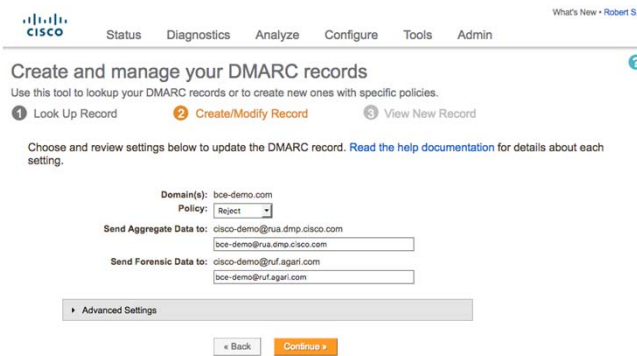
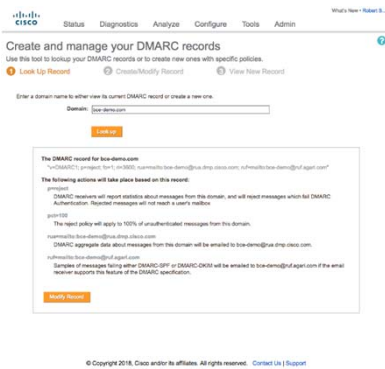
36

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Protect Your Brand

Cisco Domain Protection



Manage, create, and modify DMARC, SPF, DKIM records

POV made easy

- Discover most 3rd party senders in a few days
- Show problems in SPF and DKIM
- 1 DNS entry with no operational risk
- No changes to mail flow



Provisioning in less than 48h



Instant tracking and reporting



No risk to mail delivery

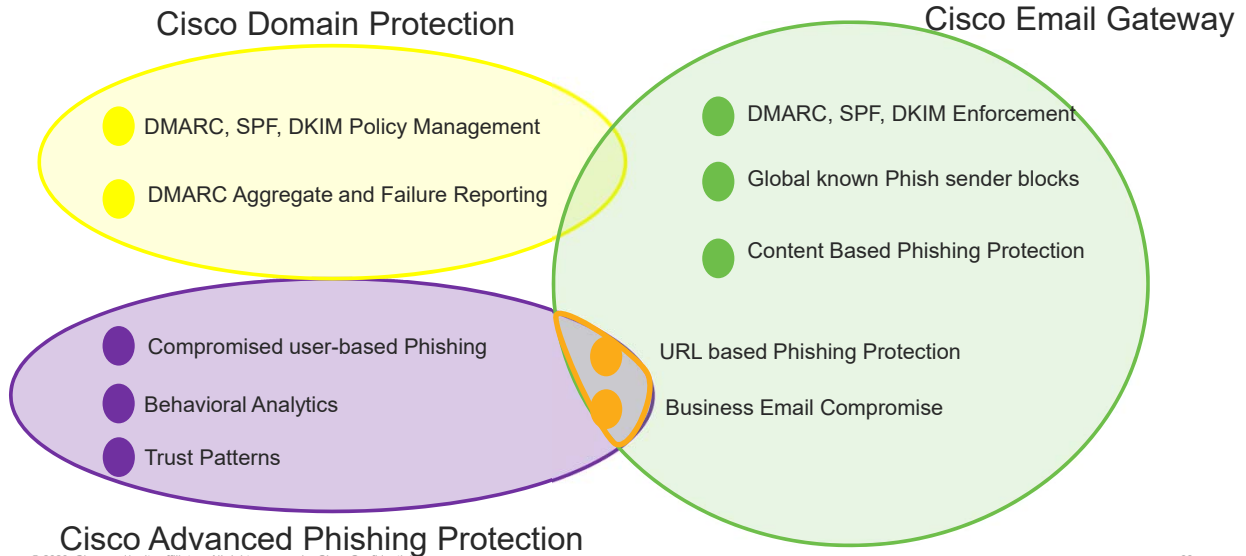


30/40 days to deliver PoV Results

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Phishing Protection: One size Doesn't fit all



39



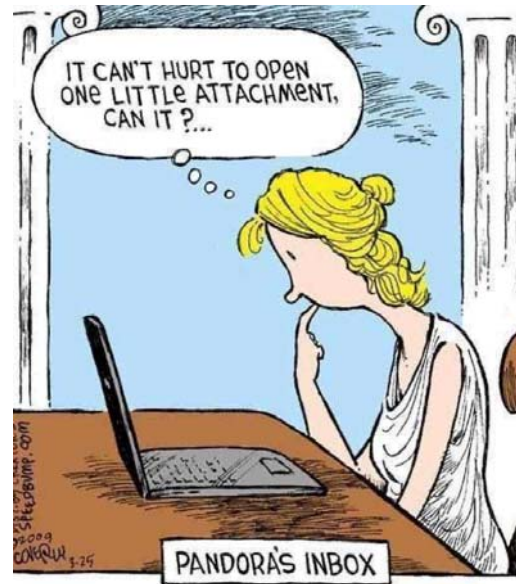
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The remaining “problem”

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41

Cisco Security Awareness

Content

- 150+ learning modules
- Micro and nano learning
- Course builder
- Customization of content available
- Role based
- High degree of interaction
- Gamification

Simulation

- Simulation of real threats
- Integrated with training content
- Just in time feedback

Multilingual

- 40+ languages
- Narration + text
- Further customization available

Communication/Reinforcement

- Internal campaign promotion
- Videos, posters, newsletters

Consultation

- CISO coaching
- Deploy, measure, and report
- Customer success program

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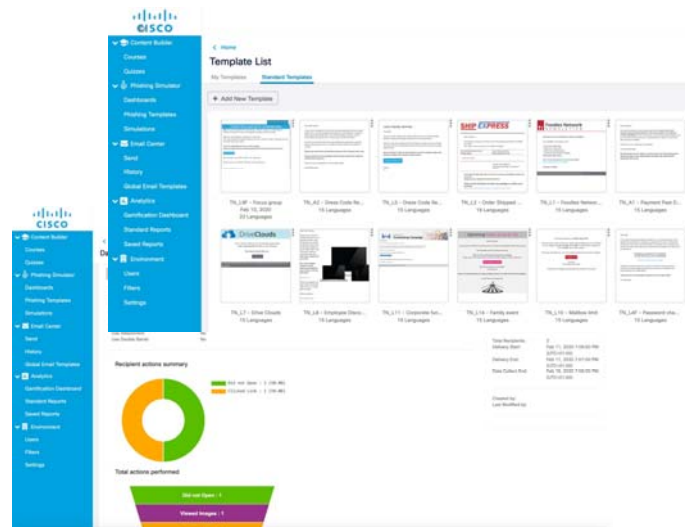
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Cisco Security Awareness

- Design “phishing” test campaigns
- Select from predefined templates or create your own
- Supports multiple languages
- Design online training
- Get detailed insights



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Cisco Email Security

- Delivers a complete portfolio in the industry
- Detailed insights via SecureX ← for free!
- Integrates with Cloud and OnPrem Mailsystems
- Backed up by the largest and most effective threat intelligence powered by TALOS

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Cisco Email Security & Avantec



- Implementierung & Integration
- Konfiguration
- Einrichtung SPF/DKIM/DMARC
- Integration von E-Mail Verschlüsselung & Signierung
- Professioneller Helpdesk und Support
- Review und Beratung
- Betriebsunterstützung

