Phishing Protection

Advanced security to defend against complex email threats

QLOUD msp

Advanced Security Against Emails Threats

PhishProtection.

aws

GLOBAL CYBER ALLIANCE

Privacy Shield Framework

M³AAWG Messaging Malware Mobile Anti-Abuse Working Group

GDPR

AICPA SOC

Let's Encrypt

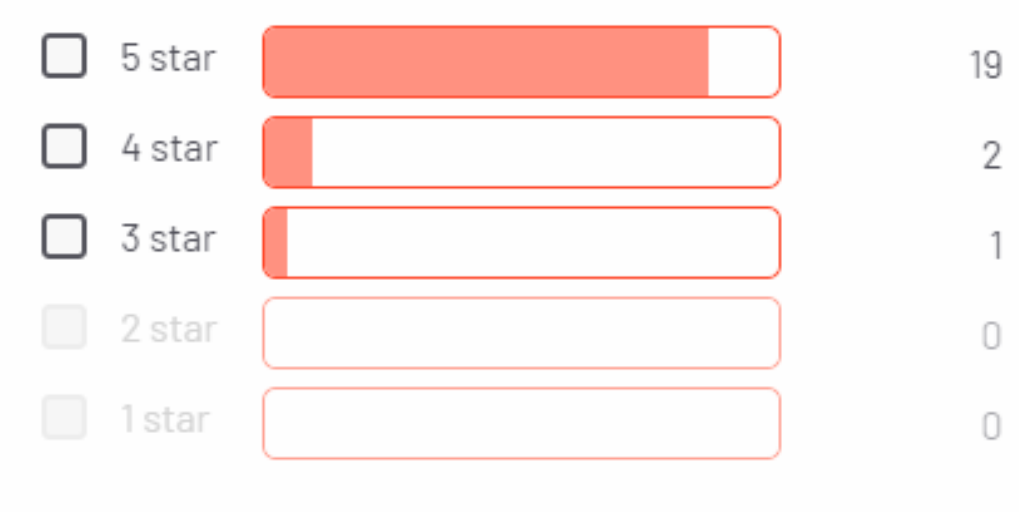
If you have the budget for Proofpoint or Mimecast, use them…

For the rest of us there is PhishProtection.com

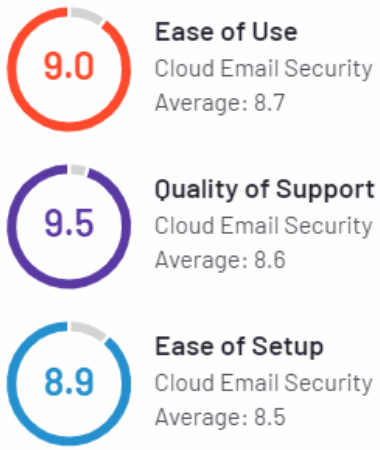
https://www.g2.com/products/phish-protection-by-duocircle/reviews#reviews

What do our clients say?

Filter reviews



User ratings



86% of reviews are 5 stars

Review examples

SJ T
AGM - IT
Mid-Market (201-500 employees)

Validated Reviewer ✔ | Verified Current User ✔ | Review source: Organic

★★★★★ Jul 09, 2020

"The Protection your Office 365 Needs"

CC

Consultant in Computer & Network Security
Mid-Market (501-1000 employees)

Validated Reviewer ✔ | Review source: Invitation from the vendor

★★★★★ Apr 29, 2020 (Original Mar 09, 2020)

"Greate product and it really works and prevents."

Florian M
Founder
Small-Business (11-50 employees)

Validated Reviewer ✔ | Review source: Invitation from the vendor

★★★★★ Apr 30, 2020

"Brad and his team provide excellent service"

HT

Hani T
Enterprise (5001-10,000 employees)

Validated Reviewer ✔ | Verified Current User ✔ | Review source: Invitation from the vendor

★★★★★ Mar 09, 2020

"Recommend DuoCircle for Phish Protection"

https://phishprotection.com

https://www.g2.com/products/phish-protection-by-duocircle/reviews

Mapping the Solution

PhishProtection

CONNECTION

IP Reputation

DMARC REPORT DMARC

DKIM

autoSPF SPF

ANTI PHISHING

Time of Click

Domain Spoofing

CEO Spoofing

FROM Name Spoofing

Attachment Sandbox *

DMARC REPORT DMARC / MTA-STS

Outbound Email

O365 / CUSTOMER

Azure Directory

MESSAGE CONTENT

SPAM

Malware

Ransomware

Blocklists & Whitelists

URL Rewrite

Connection

Connections are **evaluated** for reputation and technical compliance.

Every email is checked for:

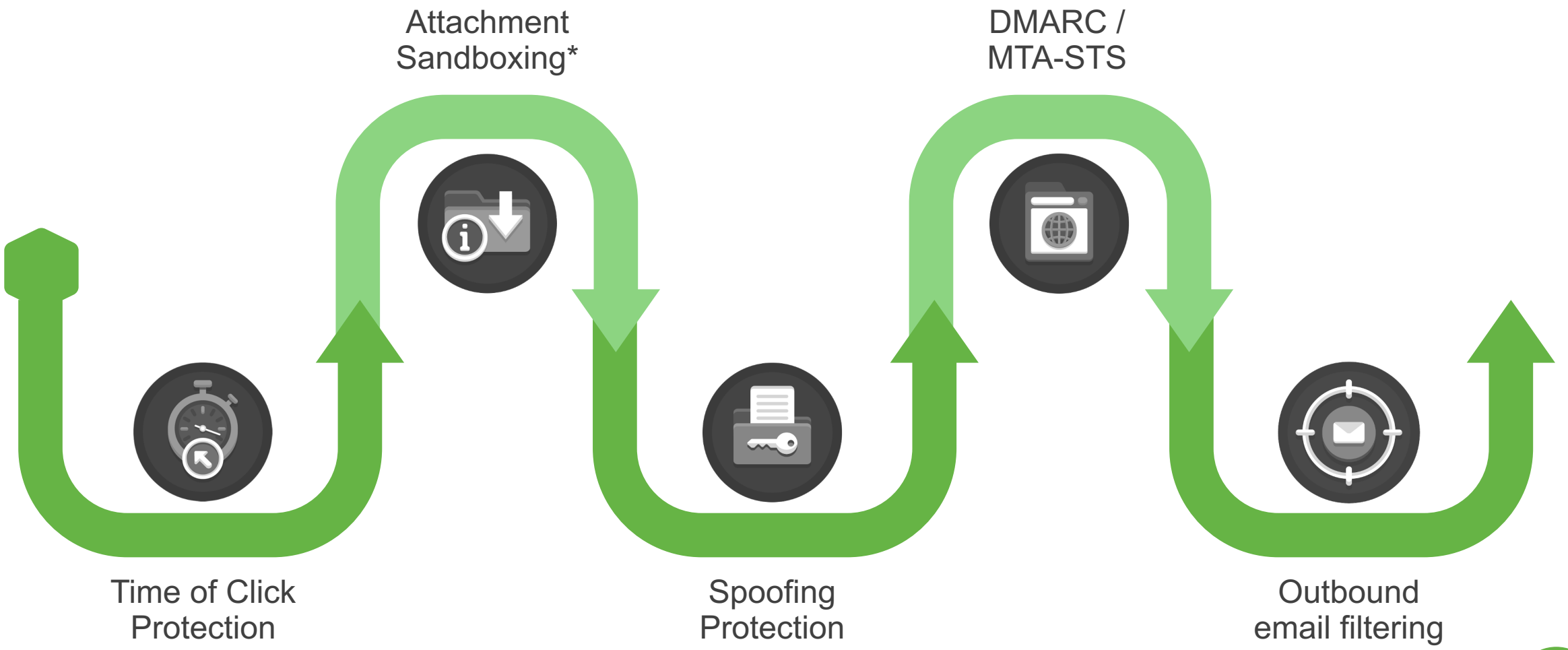
- ✓ IP Reputation - RBL, outbreak protection, rate control
- ✓ DMARC: reject, none, quarantine
- ✓ DKIM
- ✓ SPF: ~all, -all

Message Content

Messages are **scanned** to defend against ransomware malware, spam and malicious attachments:

- ✓ SPAM
- ✓ Malware
- ✓ Ransomware
- ✓ Block Lists & Allow Lists
- ✓ URL Rewriting

Anti Phishing Overview



Time of Click Protection

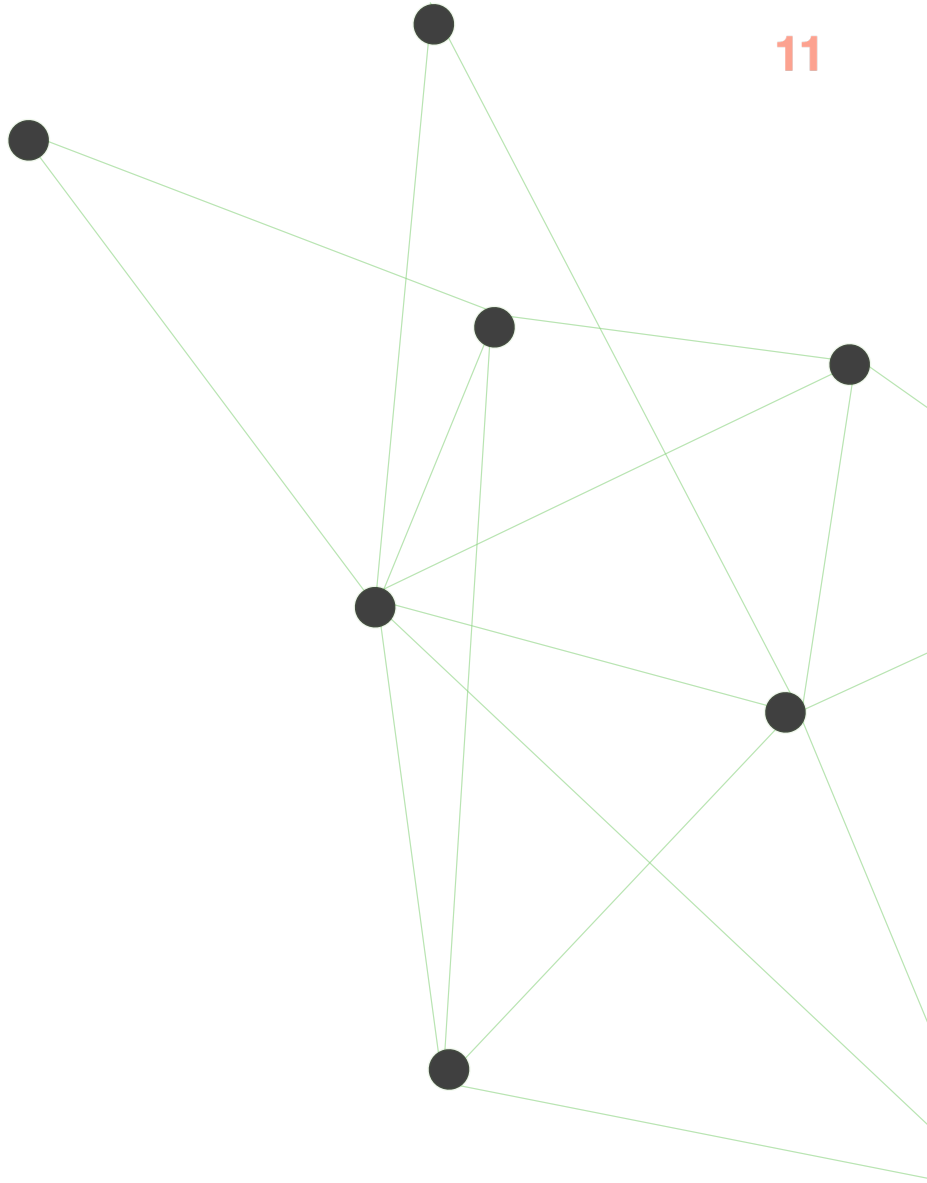
Clicks are crawled and scanned in real time and database

URLs are rewritten to subdomain of the protected domain

Please wait while the link is checked

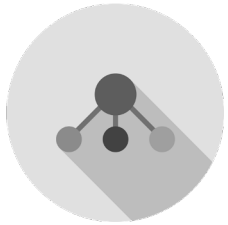
Looking for brand forgeries, credential harvesting, malware

Attachment Sandboxing*



- ✓ Attachment hashes that are unknown by the system are sandboxed
- ✓ Recursive attachment scanning
- ✓ URL extraction from PDFs

Spoofing Protection



DOMAIN

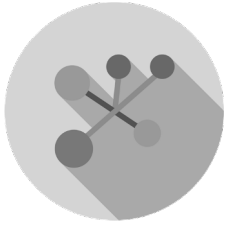
Typos of the protected domain. Both the .tld and domain itself.

CEO

Fuzzy matching of names of executives

FRIENDLY FROM

External emails that match names of employees trigger warnings



PARTNER DOMAINS

Common vendor names will be protected against domain spoofing attempts

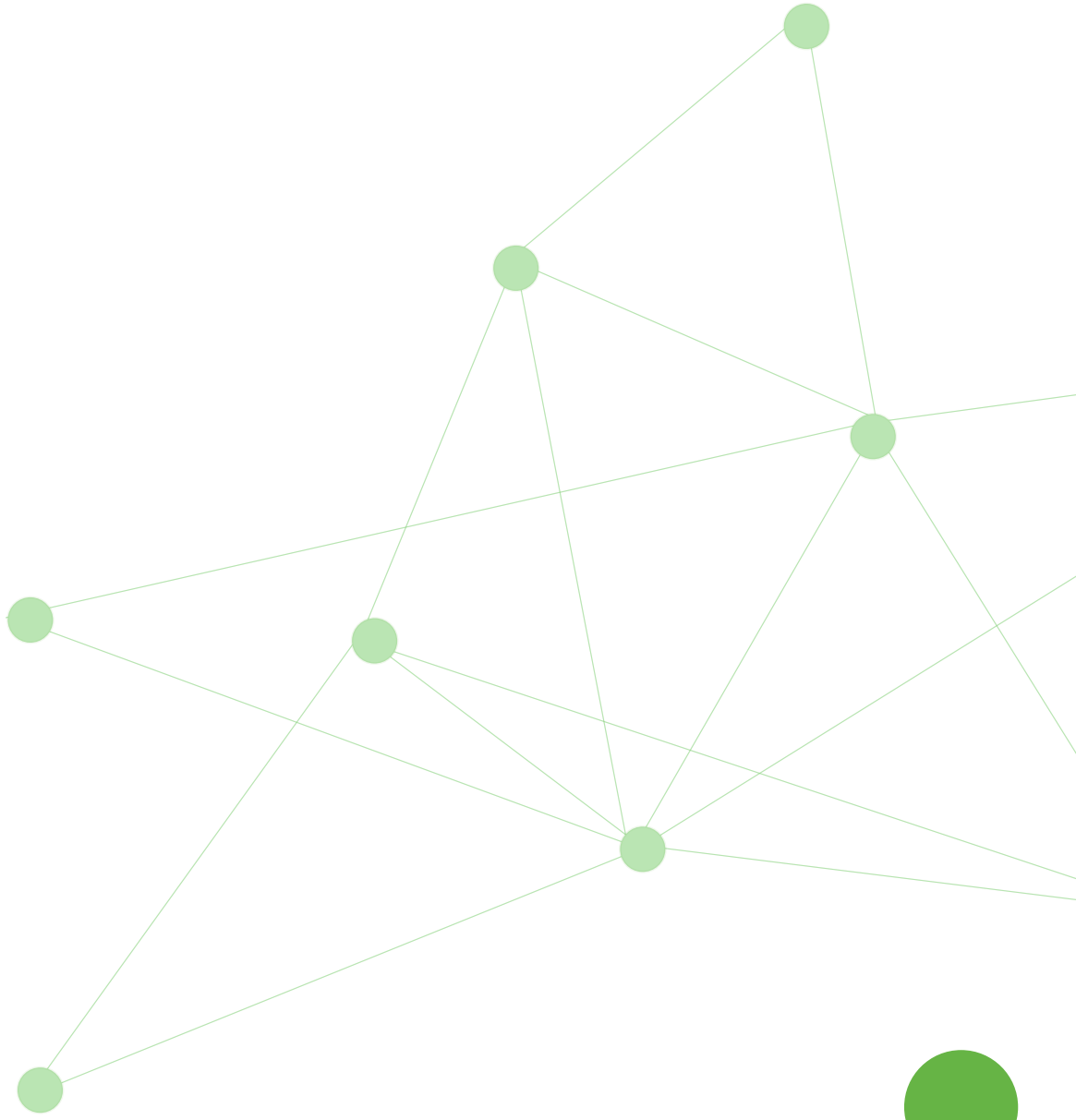
DMARC

DMARC reporting and MTA-STS hosting to help you achieve a strong email authentication policy for DMARC / DKIM / SPF.

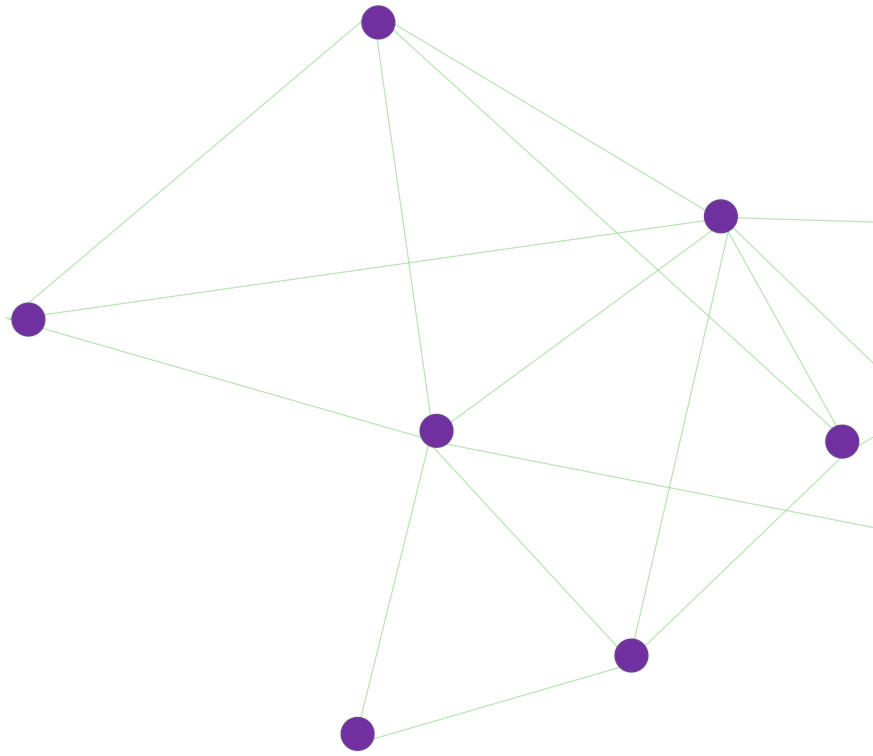
Weak Policy Dashboard

Who is sending you emails that have:

- ✓ weak SPF policy
- ✓ weak DMARC policy
- ✓ weak SPF policy



MTA-Strict Transport Security

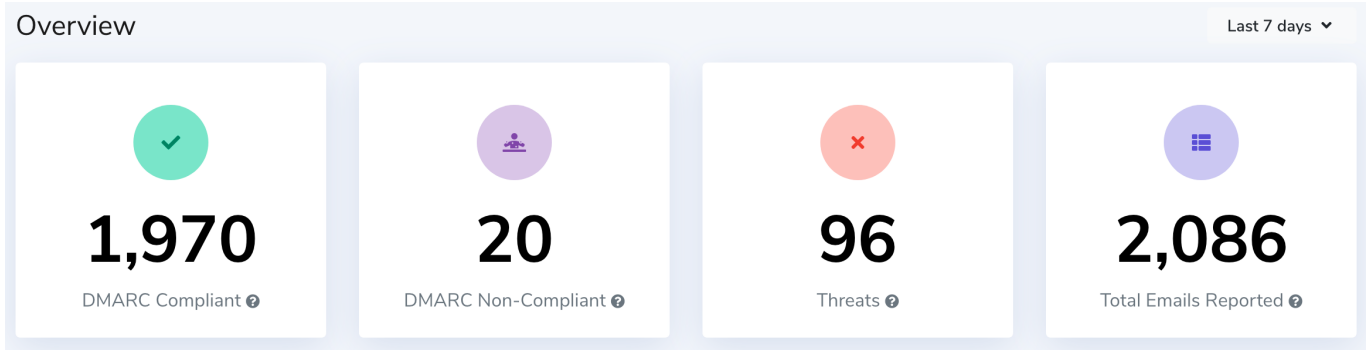


A big security problem with SMTP is that encryption is entirely optional. Even though there is STARTTLS the specification explicitly specified that SMTP servers must accept plaintext connections. And some default to plaintext.

TLS first connection.

Explicitly specify the MX servers that can accept email on their behalf.

DMARC Reporting



Phishing protection is not just about who is trying to send inbound emails to your users. It is also about protecting your domain from being spoofed.

DKIM/SPF/DMARC when aligned can protect recipients of emails reporting to be sent from you from getting to the inbox. Think about banking emails, if these are send from the banks domain without being blocked as fraud.

DMARC Reporting is included.

https://phishprotection.com

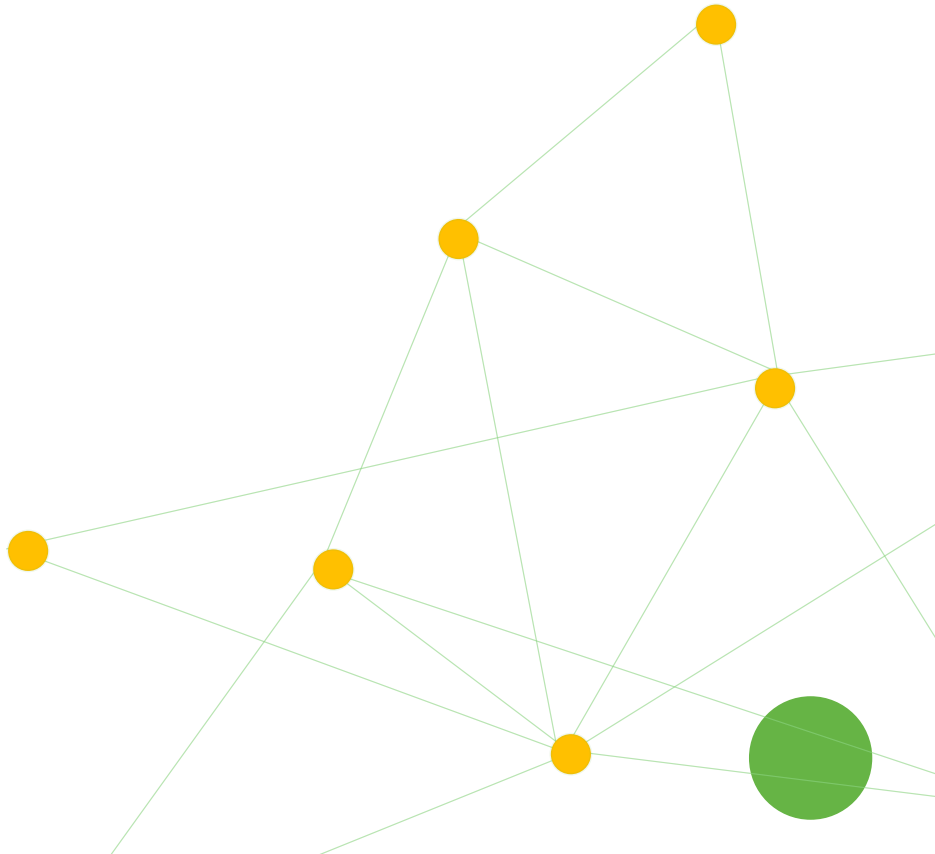
SPF Management

Never exceed the 10-record limit again.

Even strict SPF records are often rendered ineffective because they exceed the 10 record lookup limitation of SPF.

Broken SPF prevents the adoption of DMARC.

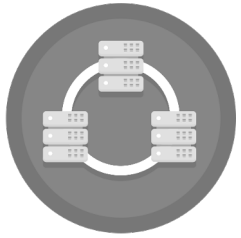
Automatic SPF management is part of the security suite.



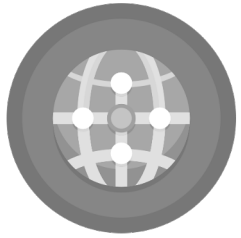
Office 365

Import users with Azure AD connection

Automatic synchronization to Protect again Friendly From: Spoofing



Custom O365 Transport rules
Transport rules to fix common SPF ~ softfails



Open Source Guides:
https://github.com/duocircle/Office365-Phishing-Rules
https://github.com/duocircle/Office365-Setup-DKIM-DMARC-SPF

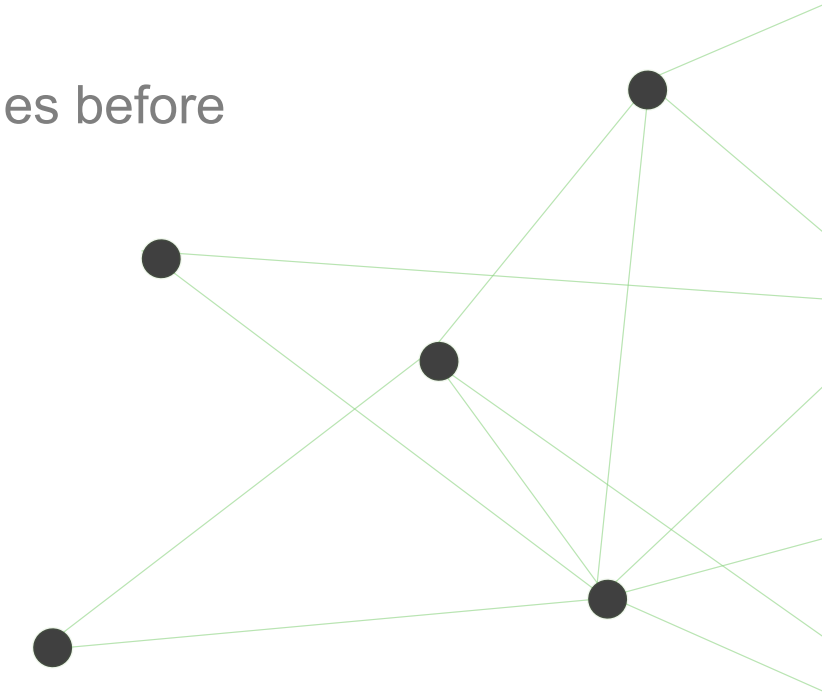
Secure Outbound Gateway

Defend against viruses that send spam or viruses. Block the messages before they damage your IP reputation.

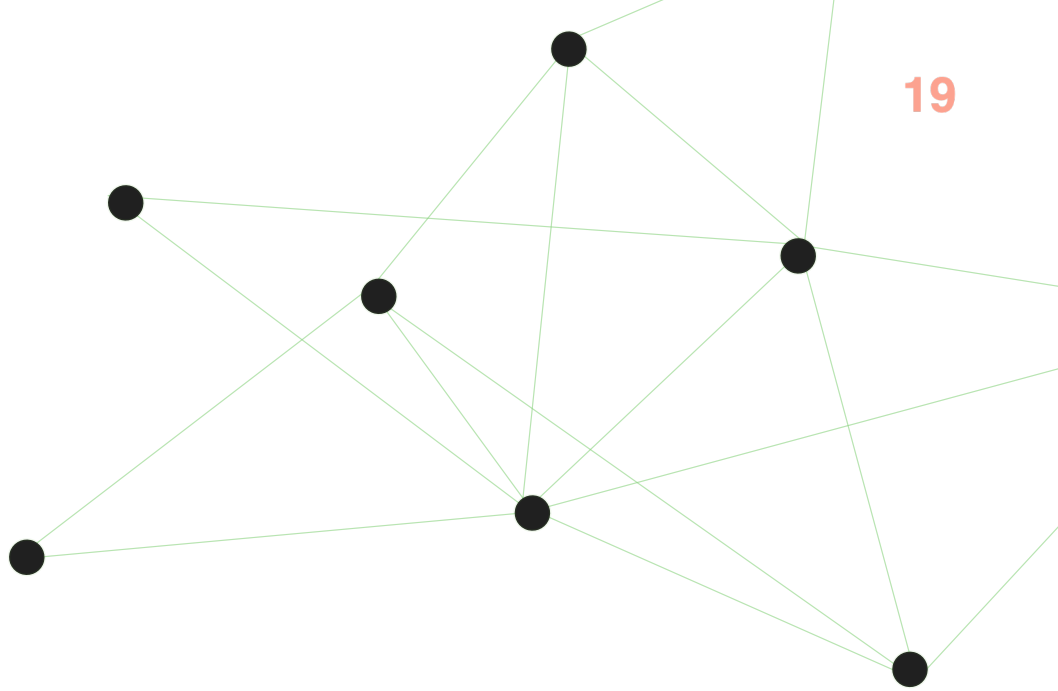
Protect outbound email from:

- ✓ **Spam**
- ✓ **Viruses**
- ✓ **Ransomware**
- ✓ **Phishing**

Sign all messages with DKIM (Exchange server on premise struggles here) .



Destination Servers



Other than the 365 integration we support ALL email servers as destination. Some features may require manual configuration and management.

You will need to export users from existing system to enable spoofing protection.

Custom Ports

Exchange

Office 365

zimbra

rackspace HOSTING

G Suite

cPanel

How else can we help?

DuoCircle

Parent company

autoSPF

Overcome the 10 record SPF limit - Too many DNS lookups

Outbound SMTP

A High-Performance Outbound SMTP Service

DMARC REPORT

Prevent Email Impersonation for All Your Domains With Enterprise DMARC Monitoring

MAIL FLOW MONITORING

Free Roundtrip SMTP Email Server Monitoring

MailHostingService

Email Hosting for Business

OUTBOUND EMAIL FILTER

We prevent spammy customers from getting your mail servers blacklisted

https://phishprotection.com

ContinuityEmail

A backup email server you can access when your primary server is down

COMMANDO
MANAGE SERVERS EASILY ONLINE

A web-based platform for running commands on servers via SSH.

Phishing Protection

Advanced security to defend against complex email threats

QLOUD msp