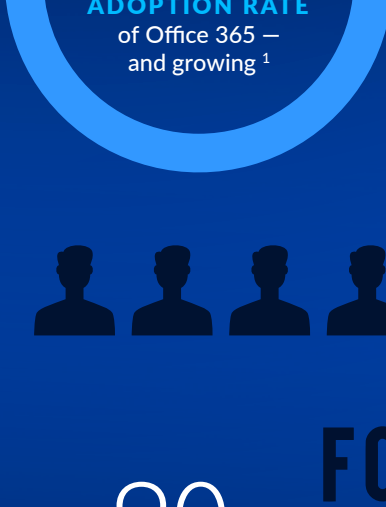


PROTECTING OFFICE 365 FROM PHISHING ATTACKS



OFFICE 365 ADOPTION CONTINUES TO GROW



1 IN 5
EMPLOYEES
use an Office 365 service ²

80% of the **FORTUNE 500** are on Microsoft Cloud ²

FORTUNE 500

CLOUD EMAIL = GREATER ATTACK SURFACE

TYPE 1 BEC

- CXO as lure
- Inter-organization impersonation
- Display name spoofs

TYPE 2 BEC

- Employees as lure
- Intra-organization impersonation
- Account takeover of legitimate employee accounts

TYPES 3 & 4 BEC

- Supply chain / partner employees as lure
- Inter-organization impersonation
- Account takeover of legitimate partner accounts



BEC



TechRepublic

Phishing attacks aim to steal sensitive data by prompting people to renew Microsoft subscription

BleepingComputer

Microsoft warns of Office 365 phishing via malicious OAuth apps

DARKReading

How Advanced Attackers Take Aim at Office 365

techradar pro

Microsoft warns Office 365 users of consent phishing dangers

PHISHING ATTACKS CONSISTENTLY BYPASS OFFICE 365

01 **Compromised user impersonating IT**

01 **Redirect to malicious site**

01 CREDENTIAL PHISH

URL in email redirects to credential harvest site; message passes all email authentication

02 **Spoofed Sender**

02 **Bank Impersonation**

02 **Message is actually an image linking to credential harvester**

02 BRAND IMPERSONATION

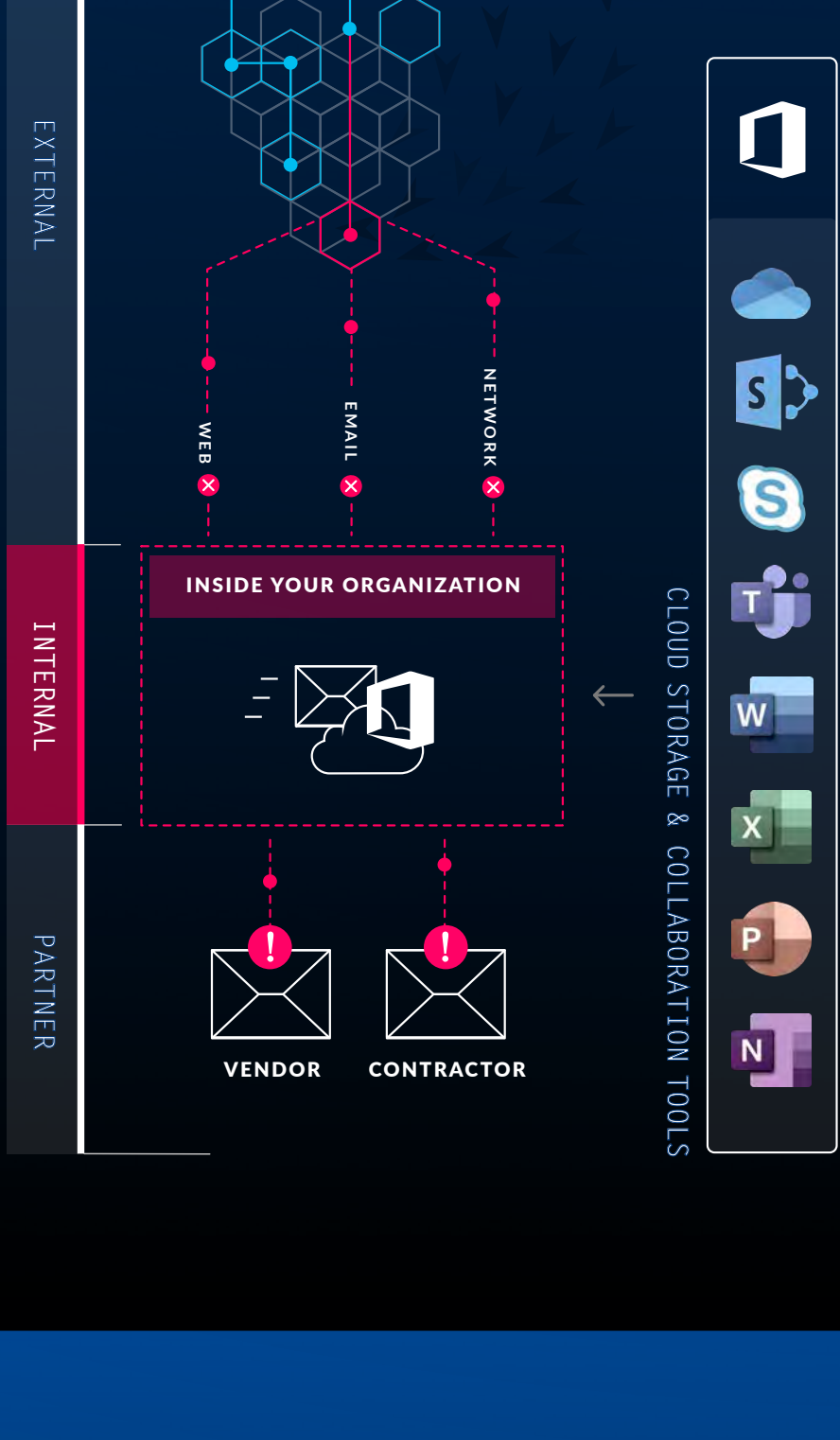
Impersonated brand; entire message is an image linking to credential harvester

03 **Spoofed sender, Redirecting to attacker email**

03 **Compromised Sender**

03 "LONG CON" BEC PHISH

Attacker compromised vendor, redirected conversation to attacker inbox after months of silently observing victim behavior



OFFICE 365 PHISHING ATTACK SURFACE

WHAT'S NEEDED TO PROTECT OFFICE 365 FROM PHISHING ATTACKS

6 Methodologies of Active Fraud Prevention

CAMPAIGN SOURCE ANALYTICS

MESSAGE SENTIMENT ANALYSIS

PARTNER SOCIAL GRAPH

CONVERSATIONAL CONTEXT ANALYSIS

UNIVERSAL MESSAGE CLASSIFICATION

VERDICT ESCALATIONS



TO LEARN WHICH PHISH ARE LANDING IN YOUR OFFICE 365 INBOXES

GET A FREE ASSESSMENT

1 | BusinessWire, "Biggest 2019 Cloud Adoption Report: Enterprise Cloud Adoption Nearly Triples Single Sign-on Adoption," Nov. 5, 2019. <https://www.businesswire.com/news/home/20191105005310/en/Biggest-2019-Cloud-Adoption-Report-Enterprise-Cloud>

2 | PTG, "Microsoft Office 365 Is Being Adopted and Used at an Enormous Rate," April 8, 2019. <https://blog.gropt.com/microsoft-office-365-statistics>

3 | Darrow, Barb, "As Big Companies Move Email to the Cloud, Microsoft Shows Strength," Feb 1, 2016. <http://fortune.com/2016/02/01/microsoft-cloud-based-email/>