VECTRA
SECURITY THAT THINKS.®

DATA SHEET

Detect for Office 365 and Azure AD

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Microsoft

Microsoft Office 365 is a high-value target for attackers, as it serves as not only an organization's email, but also a repository for OneDrive and SharePoint documents and sensitive data. Prevention tools and tactics have proven insufficient: 30% of organizations suffer from account takeovers every month despite email security intended to stop phishing, and rising adoption of strict password policies and multifactor authentication to protect accounts.

By taking a cloud-native approach, Detect for Office 365 and Azure AD detects and stops known and unknown attacks before they lead to breaches, without relying on preventative security.

With preventative security falling short, organizations are investing in detection and response solutions that allow them to find and stop attackers in their environments before they spread or cause harm.

As the industry's first network detection and response solution for the cloud, Vectra Detect for Office 365 and Azure AD extends the proven platform that currently protects public clouds, private data centers, and enterprise environments to Microsoft Office 365. The award-winning approach leverages security research combined with data science to create an AI that understands real attacker behaviors and account privilege abuse in Azure AD. By taking a cloud-native approach, Detect for Office 365 and Azure AD detects and stops known and unknown attacks before they lead to breaches, without relying on preventative security.

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HIGHLIGHTS

DETECT AND STOP ATTACKERS IN OFFICE 365:

Vectra Cognito offers broad coverage across O365 attack vectors by leveraging AI that understands attacker behavior and account privilege — allowing teams to put an end to breaches.

REDUCE RISK OF A BREACH IN CLOUD SaaS APPLICATIONS:

Agentless monitoring of account takeovers and privilege abuse of accounts in federated SaaS applications.

REGAIN FULL SECURITY COVERAGE:

Attackers don't operate in silos; your security solution shouldn't either. Vectra tracks and stops attacks as they progress and move between O365 and your local networks.

Once an attacker has gained access to an Azure AD account, they can move around easily. New phishing attacks originating from the internal company domain, or shared files with malicious code have high success rates and lead to rapid spread in both Office 365 and onto endpoints. The Vectra Cognito platforms' enterprise-wide coverage allows organizations to regain visibility across their entire infrastructure, from cloud to ground. As attacks progress and move between endpoints and Office 365, Vectra enables security operations teams to stay ahead and respond faster with a full context of the threats.

By automatically detecting and prioritizing attacker behaviors, accelerating investigations, and enabling proactive threat hunting, Vectra Detect for Office 365 and Azure AD takes back control of Microsoft Office 365 security.

Broad coverage across the entire Attacker Kill Chain in Office 365

Detect for Office 365 and Azure AD ingests activity logs from multiple services like O365, Azure AD, SharePoint/OneDrive, Teams, and Exchange. The Vectra Cognito AI has a deep understanding of Office 365 application semantics and leverages supervised and unsup ervised Machine Learning models. By analyzing events like logins, file creation/manipulation, DLP configuration, and mailbox routing configuration & automation changes, it accurately finds attacker behavior patterns across the entire Attacker Kill Chain. The result is high precision actionable detections instead of anomaly alerts that accurately expose even novel and never before seen attackers with high confidence. The detections are correlated to all accounts devices involved which provides the security team the prioritization and narrative to act quickly.

Secure Azure AD environments

IdPs like Azure AD have quickly grown to become the single most important part of an organization's infrastructure. Besides being the central authorization engine to sing on users and applications over SAML and Open ID Connect (OIDC), they can add or remove accounts using protocols like SCIM. This makes them an ideal target for attackers. Compromising a privileged account, or even the IdP itself allows and attacker almost unlimited access into the cloud and hybrid environment it controls.

IdPs are ill equipped to detect attacks against itself, and privileged account compromise as its main focus is to add preventative security to accounts, like MFA and to automate on boarding and off boarding of SaaS application.

Vectra protects Azure AD by ingesting activity logs, and leverages supervised and unsupervised Machine Learning models to analyze events like logins, configuration & automation changes. Going well beyond simple detections like impossible travel or VPN usage, it learns from authentication traffic and user behavior to accurately find attacker behavior patterns, misused API and service accounts, and anomalous user behavior across the entire Attacker Kill Chain.

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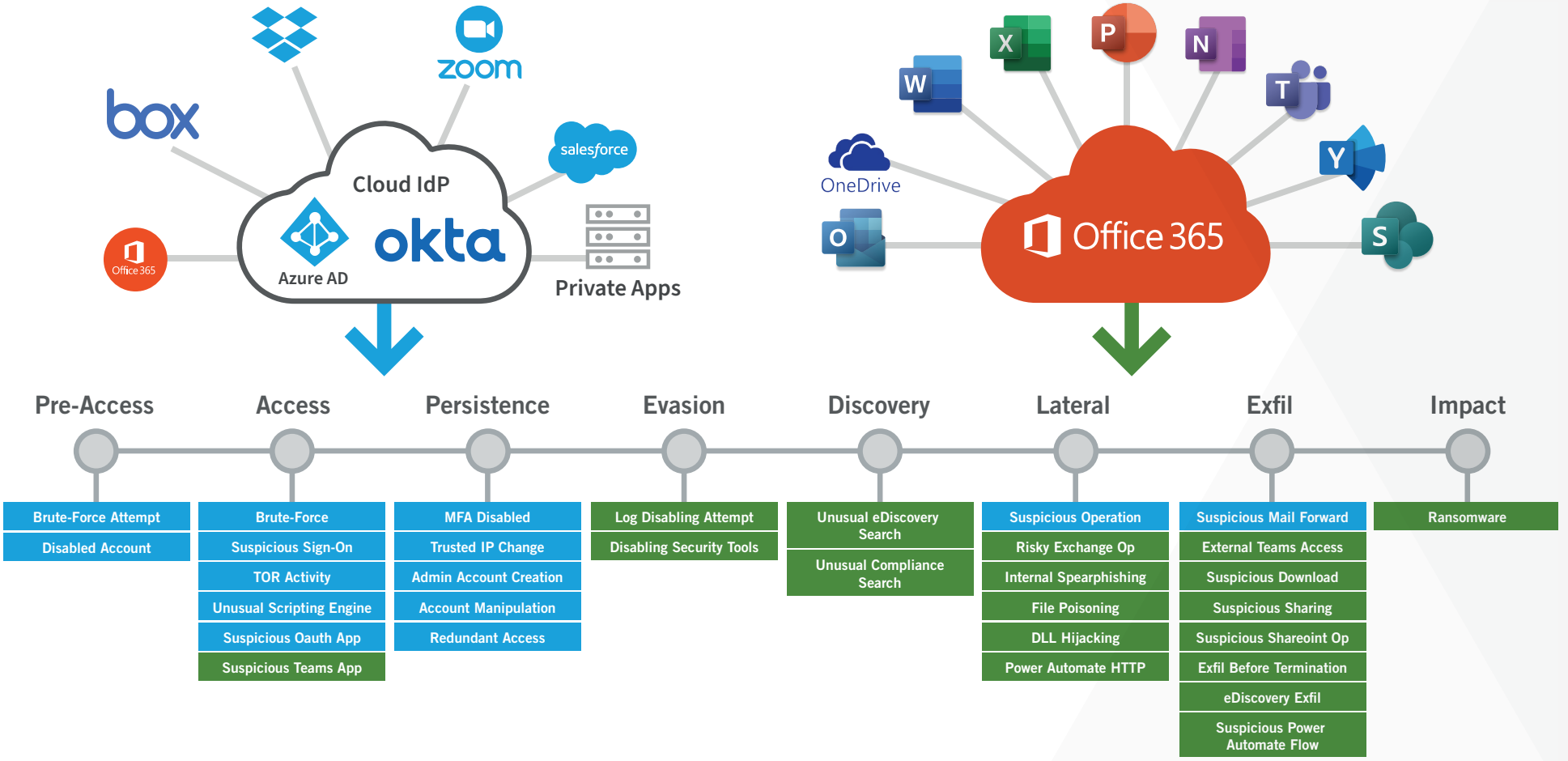

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