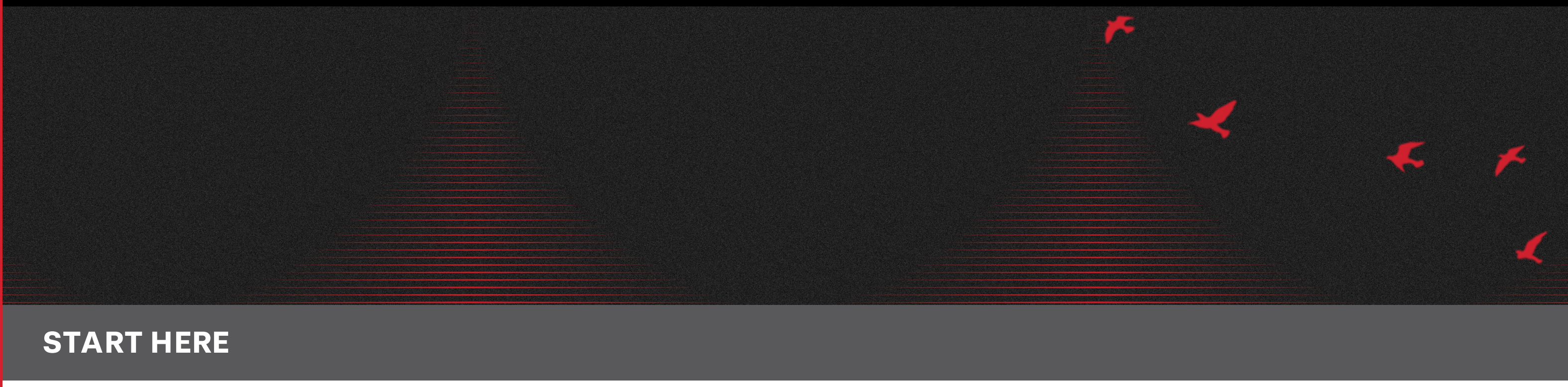
red canary

2024 Threat Detection Report & Midyear Update

This in-depth look at the most prevalent trends, threats, and ATT&CK® techniques is designed to help you and your team focus on what matters most.

READ UPDATE >

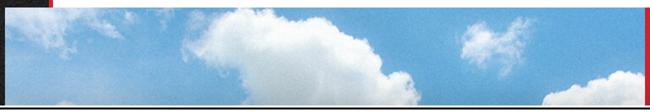
SEE 2024 PDF >



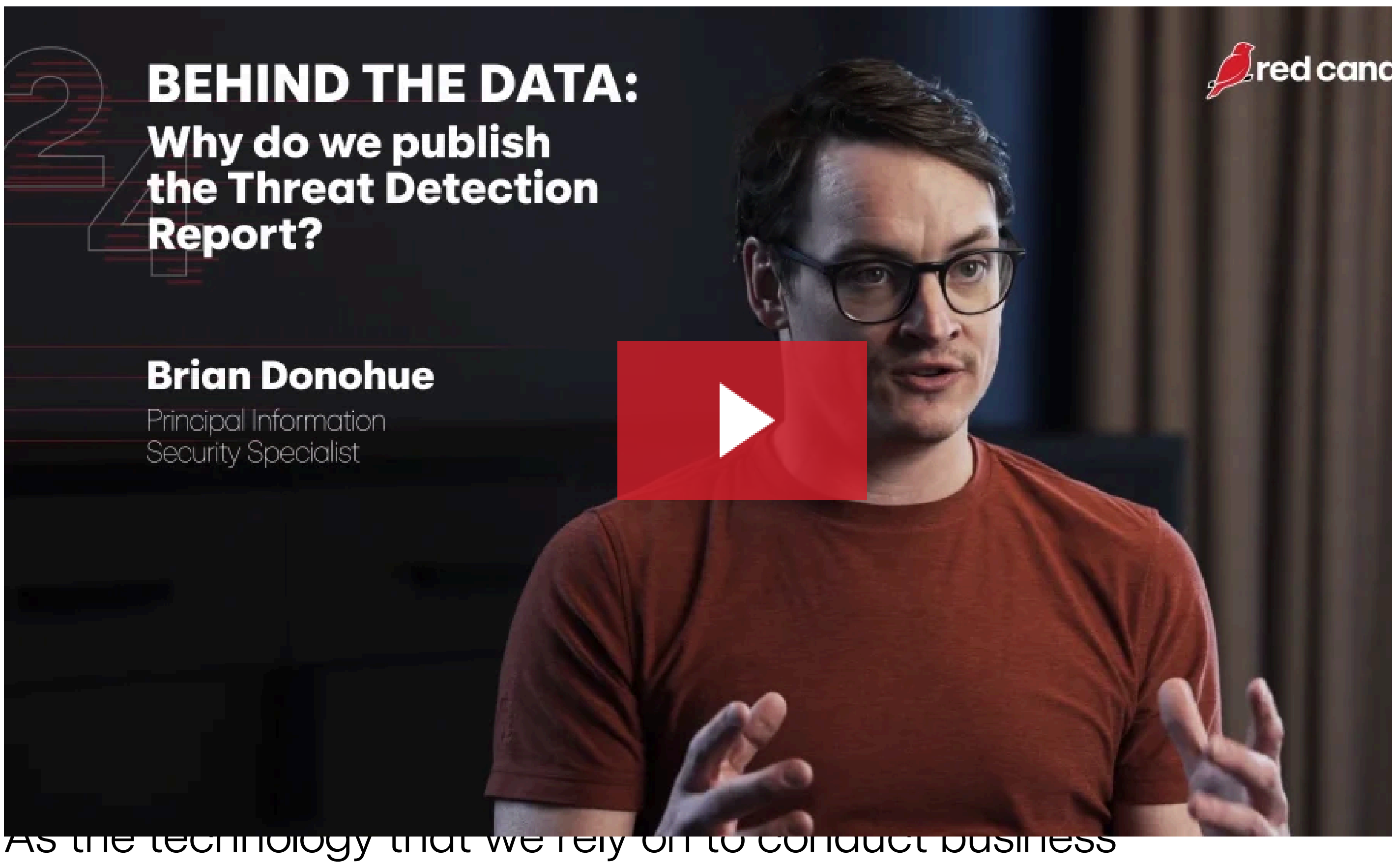
START HERE

GETTING STARTED

We are pleased to present Red Canary's 2024 Threat Detection Report. Our sixth annual retrospective, this report is based on in-depth analysis of nearly 60,000 threats detected across our 1,000+ customers' **endpoints, networks, cloud infrastructure, identities, and SaaS applications** over the past year.



HOMEPAGE
TRENDS
THREATS
TECHNIQUES
THREAT SOUNDS
MIDYEAR UPDATE
ARCHIVE
DOWNLOAD


BEHIND THE DATA:
Why do we publish the Threat Detection Report?
Brian Donohue
Principal Information Security Specialist
red canary

As the technology that we rely on to conduct business continues to evolve, so do the threats that we face. Here are some of our key findings:

- **Everyone is migrating to the cloud, including bad guys: Cloud Accounts was the fourth most prevalent ATT&CK technique we detected this year, increasing 16-fold in detection volume and affecting three times as many customers as last year.**
- **Despite a spate of new CVEs, humans remained the primary vulnerability that adversaries took advantage of in 2023. Adversaries used compromised identities to access cloud service APIs, execute payroll fraud with email forwarding rules, launch ransomware attacks, and more.**
- **While both defenders and cybercriminals have discovered use cases for generative artificial intelligence (GenAI), we see defenders as having the edge.**
- **Container technology is omnipresent, and it's as important as ever to secure your Linux systems to**

red canary

HOMEPAGE

TRENDS

THREATS

TECHNIQUES

THREAT SOUNDS

MIDYEAR UPDATE

ARCHIVE

DOWNLOAD

along with instances of reflective code loading and AppleScript abuse.

- **Often dismissed, malvertising threats delivered payloads far more serious than adware, as exemplified by the Red Canary-named Charcoal Stork, our most prevalent threat of the year, and related malware ChromeLoader and SmashJacker.**

- **Our new industry analysis showcases how adversaries reliably leverage the same small set of 10-20 techniques against organizations, regardless of their sector or industry.**

We also check back on the timeless **threats** and **techniques** that are prevalent year-after-year, explore emerging ones that are worth keeping an eye on, and introduce two new **free tools** that security teams can start using immediately.

Use this report to:

- Explore the most prevalent and impactful **threats**, **techniques**, and **trends** that we've observed.

- Note how adversaries are evolving their tradecraft as organizations continue their shift to cloud-based identity, infrastructure, and applications.

- Learn how to emulate, mitigate, and detect specific threats and techniques.

- Shape and inform your readiness, detection, and response to critical threats.

red canary

HOMEPAGE >

TRENDS >

THREATS >

TECHNIQUES >

THREAT SOUNDS >

MIDYEAR UPDATE >

ARCHIVE >

DOWNLOAD >

The Threat Detection Report sets itself apart from other annual reports with its unique data and insights derived from a combination of expansive detection coverage and expert, human-led investigation and confirmation of threats. The data that powers Red Canary and this report are not mere software signals—this data set is the result of hundreds of thousands of expert investigations across millions of protected systems. Each of the nearly 60,000 threats that we responded to have one thing in common: These threats weren’t prevented by our customers’ expansive security controls—they are the product of a breadth and depth of analytics that we use to detect the threats that would otherwise go undetected.

READ MORE ABOUT HOW WE COUNT >

ACKNOWLEDGMENTS

Thanks to the dozens of security experts, writers, editors, designers, developers, and project managers who invested countless hours to produce this report. And a huge thanks to the **MITRE ATT&CK®** team, whose framework has helped the community take a giant leap forward in understanding and tracking adversary behaviors. Also a huge thanks to all the Canaries—past and present—who have worked on past **Threat Detection Reports** over the last six years. The Threat Detection Report is iterative, and

red canary

- HOMEPAGE
- TRENDS
- THREATS
- TECHNIQUES
- THREAT SOUNDS
- MIDYEAR UPDATE
- ARCHIVE
- DOWNLOAD

Search

PRODUCTS

Managed Detection and Response (MDR)

Readiness Exercises

Linux EDR

Atomic Red Team™

Mac Monitor

What's New?

Plans

SOLUTIONS

Deliver Enterprise Security Across Your IT Environment

Get a 24×7 SOC Instantly

Protect Your Corporate Endpoints and Network

Protect Your Users' Email, Identities, and SaaS Apps

Protect Your Cloud

Protect Critical Production Linux and Kubernetes

Stop Business Email Compromise

Replace Your MSSP or MDR

Run More Effective Tabletops

Train Continuously for Real-World Scenarios

Operationalize Your Microsoft Security Stack

Minimize Downtime with

RESOURCES

View all Resources

Blog

Integrations

Guides & Overviews

Cybersecurity 101

Case Studies

Videos

Webinars

Events

Customer Help Center

Newsletter

PARTNERS

Overview

Incident Response

Insurance & Risk

Managed Service Providers

Solution Providers

Technology Partners

Apply to Become a Partner

COMPANY

About Us

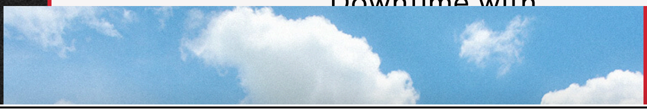
The Red Canary Difference

News & Press

Careers – We're Hiring!

Contact Us

Trust Center and Security



HOMEPAGE

TRENDS

THREATS

TECHNIQUES

THREAT SOUNDS

MIDYEAR UPDATE

ARCHIVE

DOWNLOAD