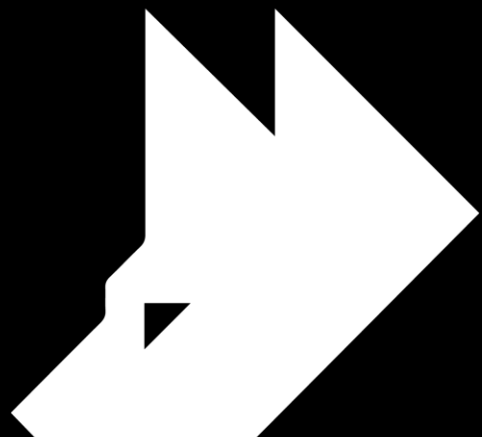EVERFOX

Everfox
ULTRA

Cloud-delivered, Hardsec-enforced
Remote Browser Isolation (RBI)

Presenters

David Bailey

Chief Technology Officer, Garrison | **Everfox**

david.j.bailey@everfox.com

Adam Maruyama

Field Chief Technology Officer | **Everfox**

adam.maruyama@everfox.com

EVERFOX

Everfox Product Platform

Mission-Driven Protection Beyond Defense

Relentlessly Dedicated
Your mission, Our Purpose.

Operationally Proven
History of success in the most challenging and high-stakes environments

Vetted & Validated
3rd party validated solutions based on Risk and Threat Awareness

Enable **Secure Collaboration** Across All Environments

Secure Data
Neutralize Threats, Protect Data
Secure your Data with Precision

Secure Access
Any app, any device, anywhere
Always Secure

Secure Transfer
Seamlessly connect applications across enclaves
Transfer with Trust

Secure People
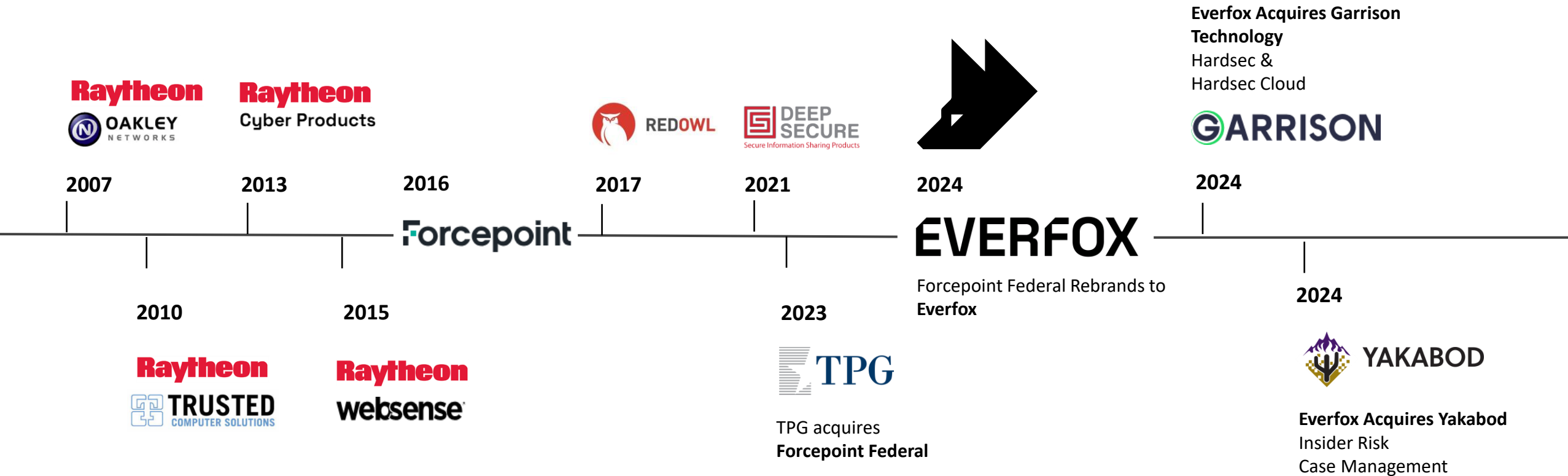Zero Trust, Always Verify
Security without compromise

→ Eliminates known threats
→ Protection against zero day & unknown attacks

→ Multi-domain access
→ Operate in high-threat environments
→ Prevent phishing & malware

→ Multi-domain transfer
→ Secure IT/OT environments

→ Unmatched Endpoint Visibility
→ User-Centric Analytics
→ Case Management Workflow

Everfox Evolution

Everfox Acquires Garrison Technology
Hardsec & Hardsec Cloud

2007   **2013**   **2016**   **2017**   **2021**   **2024**   **2024**

Forcepoint Federal Rebrands to **Everfox**

2010   **2015**   **2023**   **2024**

TPG acquires **Forcepoint Federal**

Everfox Acquires Yakabod
Insider Risk
Case Management

EVERFOX

"Strong cybersecurity requires that the threat elimination platform itself can be **trusted**…"
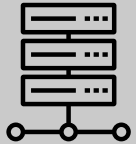
EVERFOX

What is Hardsec
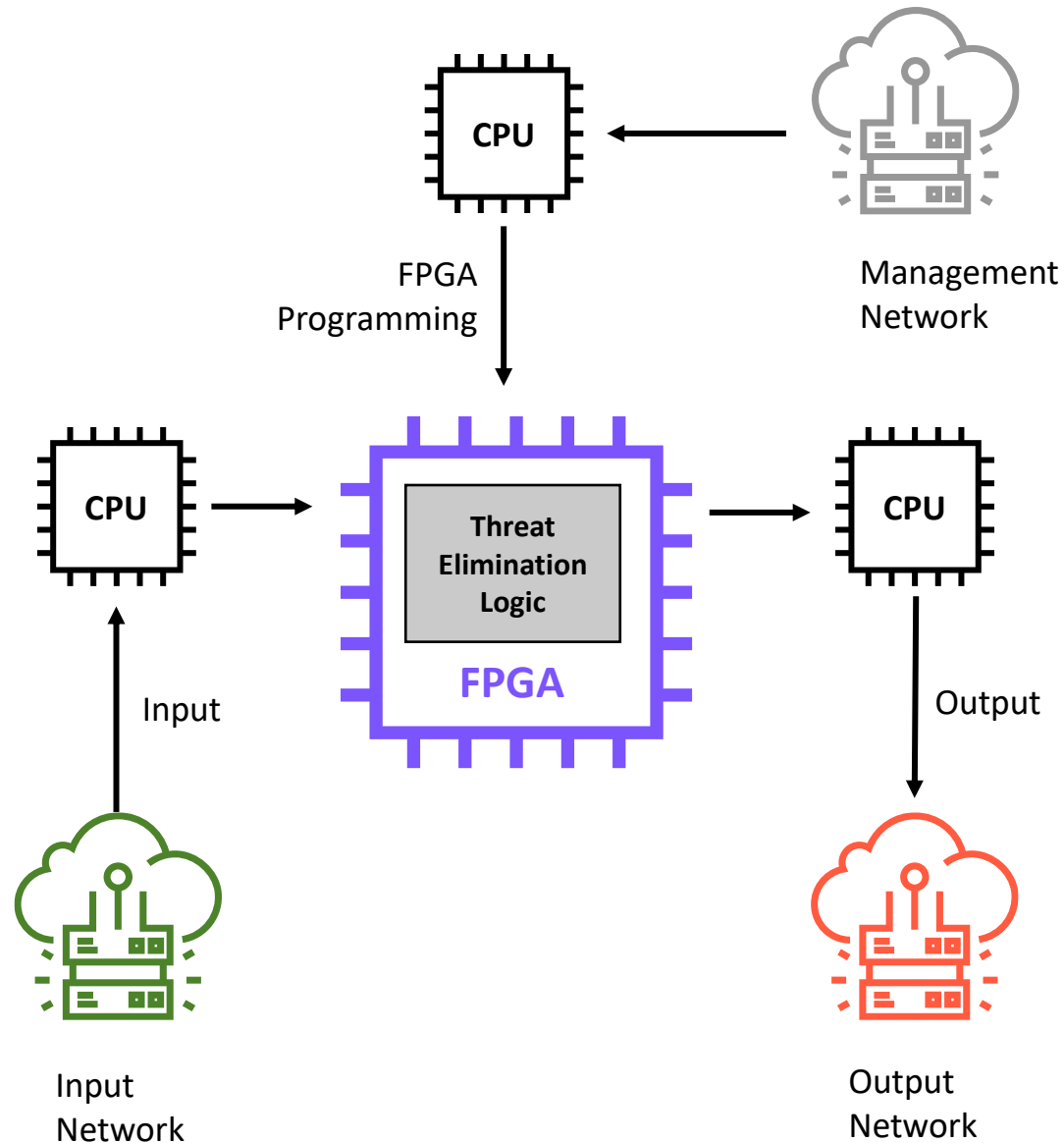
- Uses **simple logic** to eliminate threats
- **Practically immutable**, limiting the impact of any compromise
- Supports **high assurance** implementations
- **Field-upgradable** and **configurable**

EVERFOX

Software + Hardsec = better security

EVERFOX

Hardsec **Use Cases**

Secure **Data**

Eliminates known threats

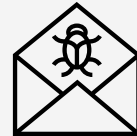**Protect against 0-days & novel attacks**

Secure **Access**

Multi-domain access

- Browse, reach, & manage
- Laptop, tablet, & mobile

Operate in high-threat environments

Prevent phishing & malware

Secure **Transfer**

Multi-domain transfer

- Structured & unstructured

Secure IT/OT environments

Prevents exploits of other security controls

EVERFOX

Everfox Hardsec **Portfolio**

Secure Data

Verify Content Disarm Reconstruction (CDR)
when deployed with HSV2, which uses Hardsec to verify CDR is working properly

Secure Access
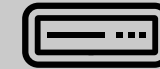
Garrison Isolation Appliance

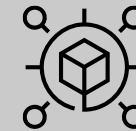**Everfox ULTRA Remote Browser Isolation (RBI)**

Secure Transfer

High Speed Verifier
- Data Center (HSV2)
- Turnkey / Tactical (HSVT)
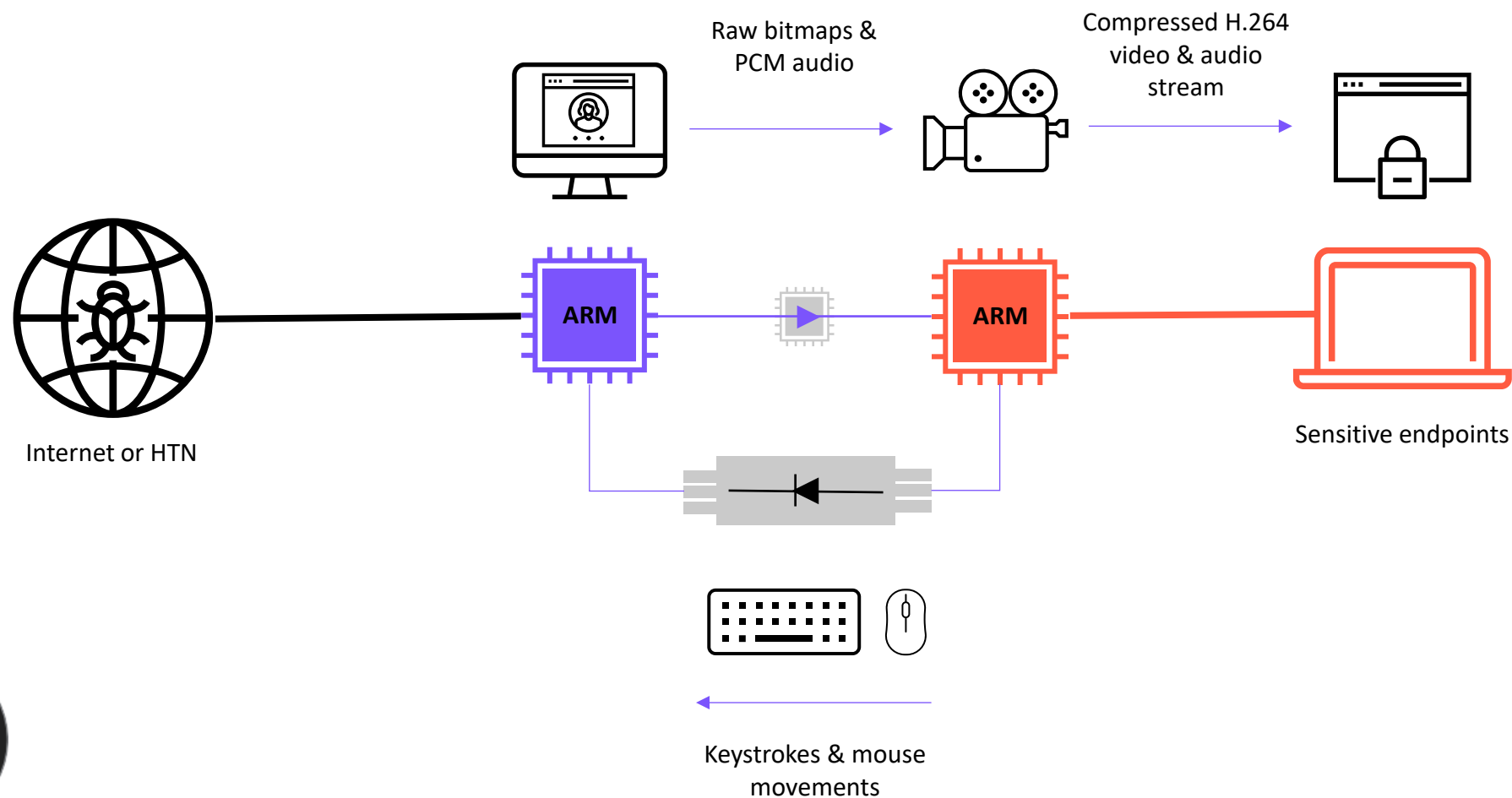
Garrison Transfer Appliance

Protocol Filtering Diode (PFD)

EVERFOX

Strengthening **Access** Capabilities
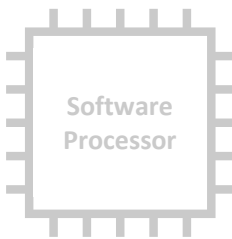
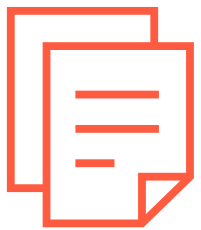Silicon Assured Video Isolation (SAVI®) Technology

Raw bitmaps & PCM audio

Compressed H.264 video & audio stream

ARM

ARM

Internet or HTN

Sensitive endpoints

Keystrokes & mouse movements
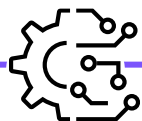
EVERFOX

Verifying **Transfer** Capabilities

Everfox Content Disarm & Reconstruction (CDR)
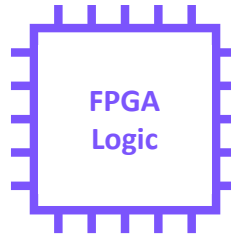*when deployed with HSV2, which uses Hardsec to verify CDR is working properly*
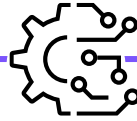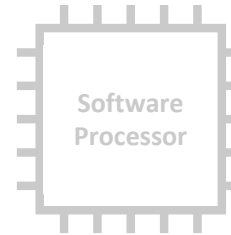
Original Untrusted Data

New Safe Data

Software Processor

Recipe

FPGA Logic

Recipe

Software Processor

Step 01: **Extract**

Step 02: **Verify**

Step 03: **Build**

EVERFOX

Isolation: On Prem vs Cloud

Cross Domain

Aggregated Monitoring

Aggregated Analytics

High Side Network

Mission SECRET

Mission UNCLAS

Partner

Internet

Browser Isolation

Internet

Corporate
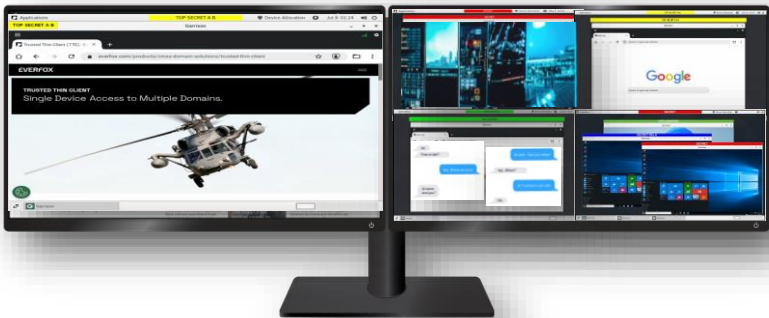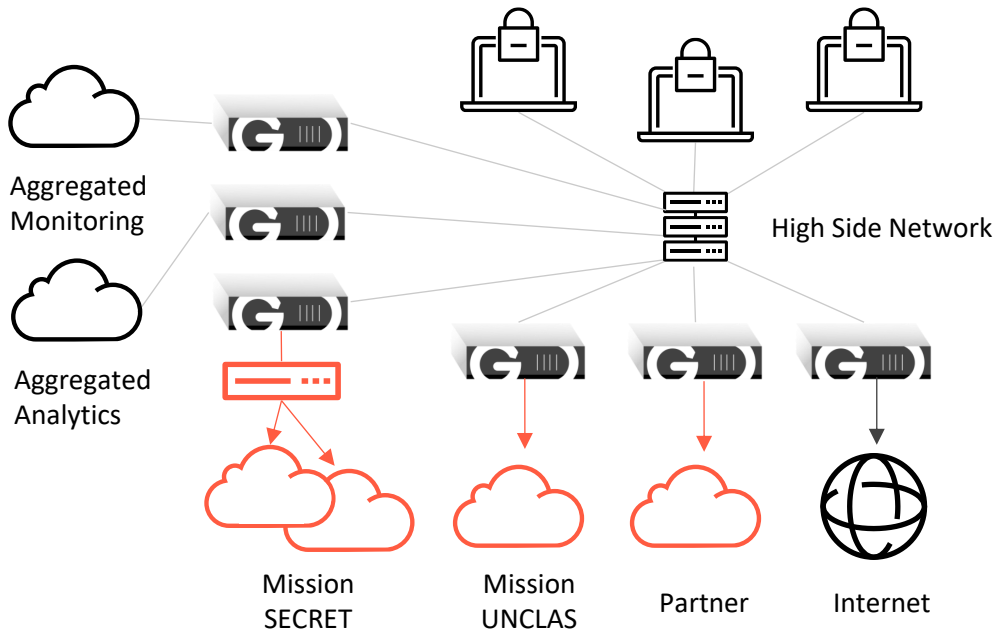
EVERFOX

Browser Security **By the Numbers**

10

Zero-day Chromium vulnerabilities in 2024

20

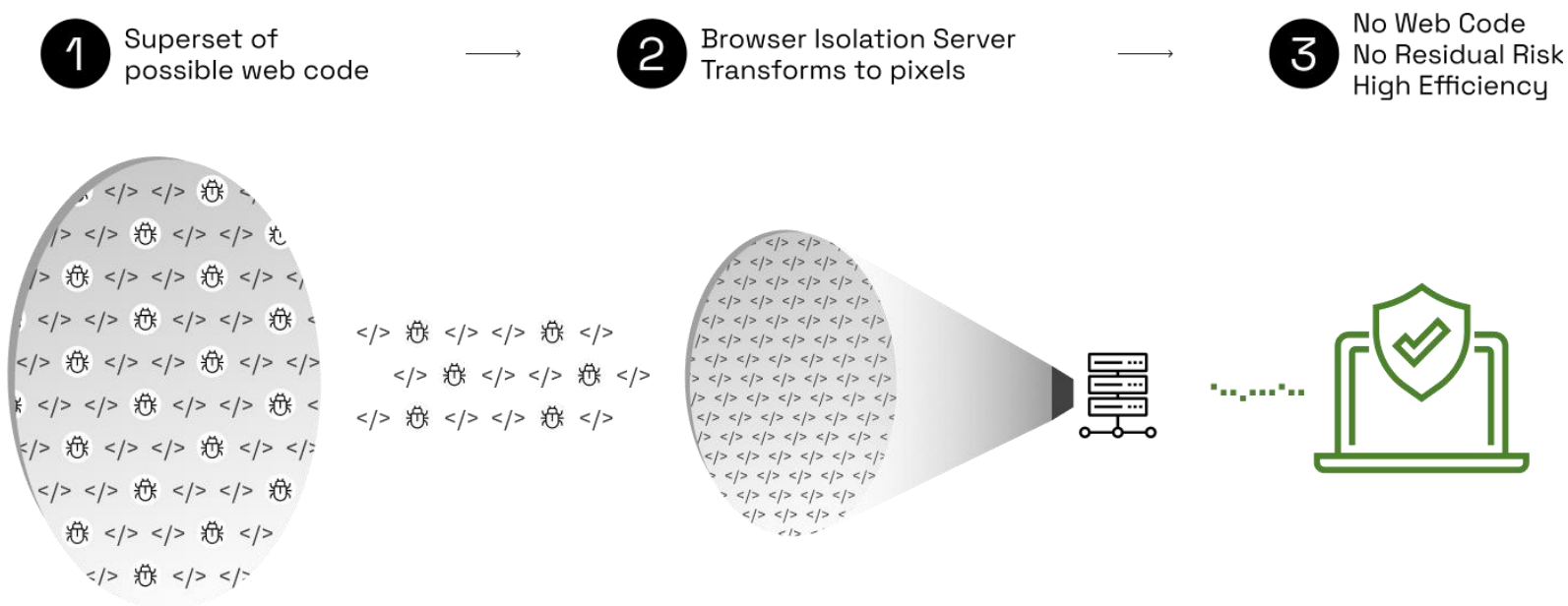Percent of **targeted browser zero-days** in 2023

18

Years since **Chromium 0.0.0.0 vulnerability reported**

EVERFOX
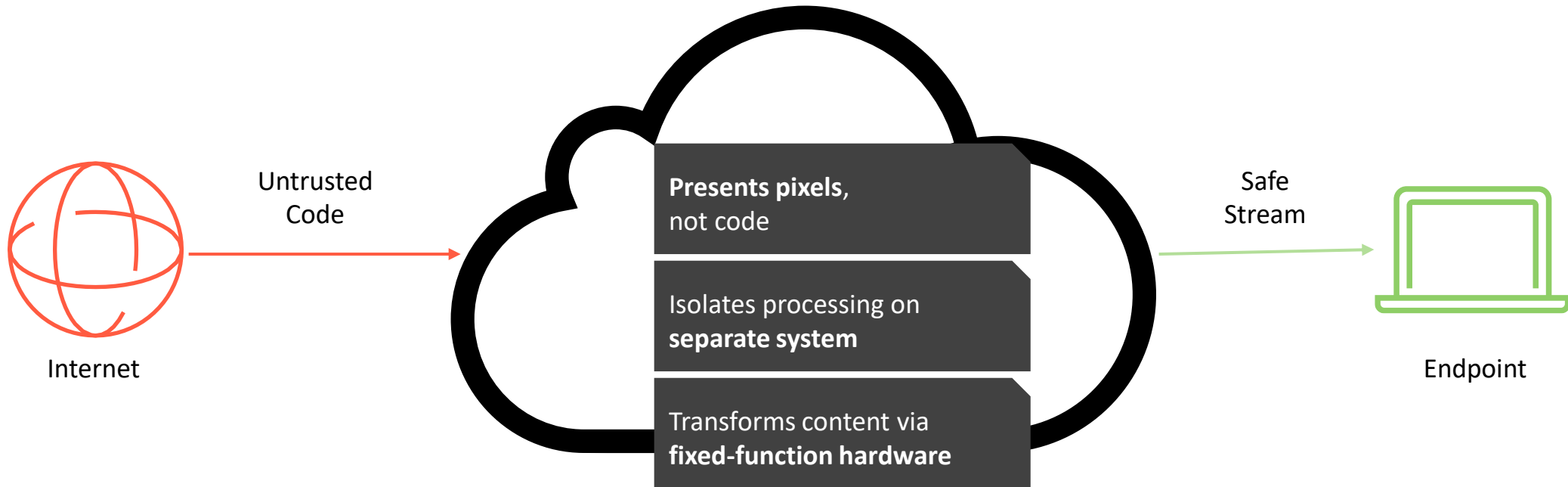
Everfox **ULTRA**

Cloud-delivered Hardsec Remote Browser Isolation (RBI) to **defend against sophisticated web-based attacks**

Partnering with DHS HQ for
FedRAMP Moderate authorization

EVERFOX

Not All Browser Isolation Solutions
Are Created Equal

Internet

Untrusted Code

Presents pixels, not code

Isolates processing on **separate system**

Transforms content via **fixed-function hardware**
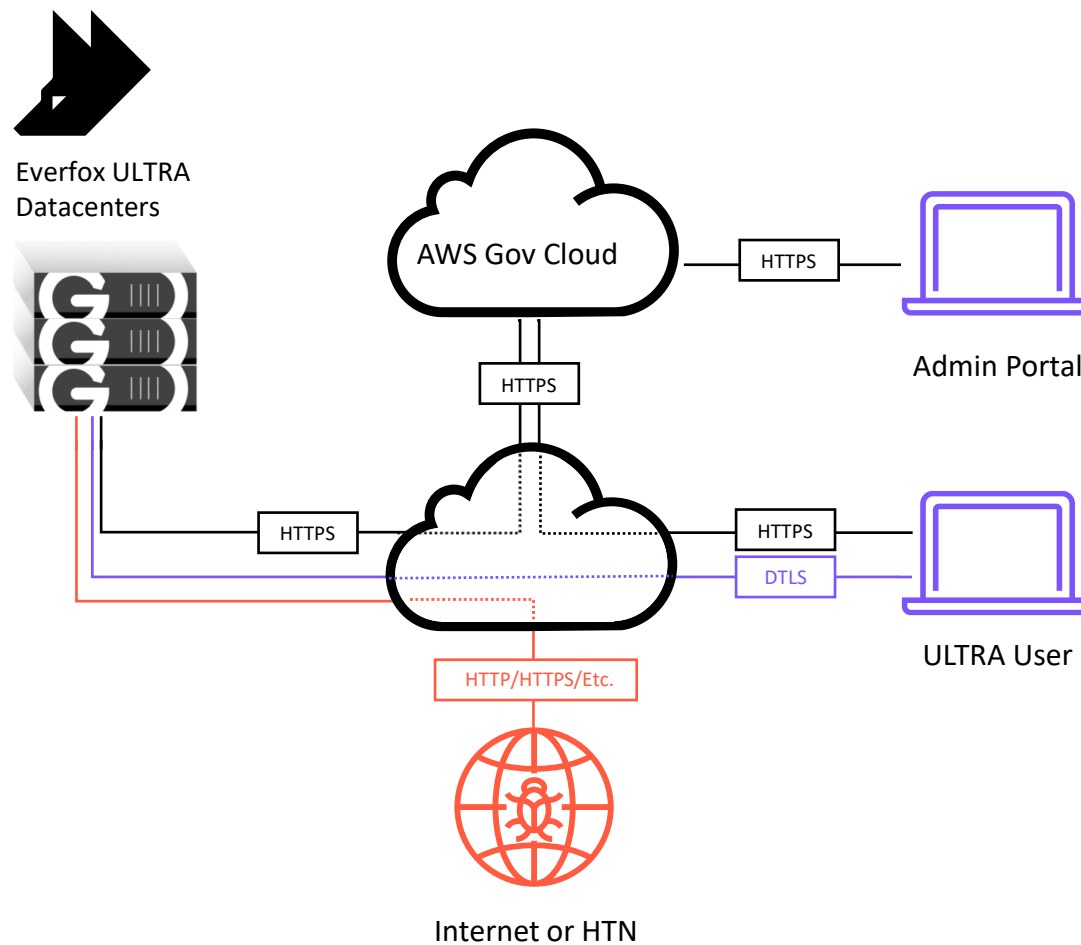
Safe Stream

Endpoint

Renders 100% of presented content safe

EVERFOX

Cloud-Delivered, Hardsec-Enforced

- Globally distributed infrastructure that contains Garrison Isolation Appliances (GIAs)

- Build on a lightweight AWS Gov Cloud infrastructure used for license validation, load balancing, and storing user profiles

- Compatible with iOS & Android BYOD

- Partnering with DHS HQ for FedRAMP moderate authorization

Everfox ULTRA Datacenters

AWS Gov Cloud

HTTPS — Admin Portal

HTTPS

HTTPS

HTTPS — ULTRA User

DTLS

HTTP/HTTPS/Etc.

Internet or HTN

EVERFOX

Stay Ahead of the Curve with Hardware-Enforced Prevention

Verifiable Prevention

- **Zero Trust Approach**

  Sites are rendered via video stream and verified in hardware

- **USG Customers**

  Use ULTRA to browse known malicious sites without fear of compromise

- **Cost & Time Savings**

  No need for reviewing or responding to CBII environment alerts

Easier Deployment & Better UX

- Dedicated per-user hardware enables near real-time browsing

- Peer-to-peer WebRTC connection dynamically navigates complex networks

- Delivers high-performance, high-assurance security with minimal O&M

Proven Technology

- Techniques validated for Cross Domain use by NSA

- Cloud service currently undergoing FedRAMP Moderate assessment

EVERFOX

Current Federal Customers

Cabinet Level Agency HQ

- ULTRA in limited pilot with OCIO leadership & high-risk browsing use cases

- Enables safe work-related access to sites otherwise blocked by proxy policies

- DHS is currently FedRAMP partner agency, with FedRAMP Moderate accreditation targeted for Q1 2025

Federal Law Enforcement

- Uses the underlying on-prem technology (GIAs) to underpin browser isolation for 8,000+ users

- Initial ULTRA pilot highlighted performance improvements, particularly for overseas users, and simplified O&M

- Leadership support to convert capability from on-prem to ULTRA (pending FedRAMP approval)
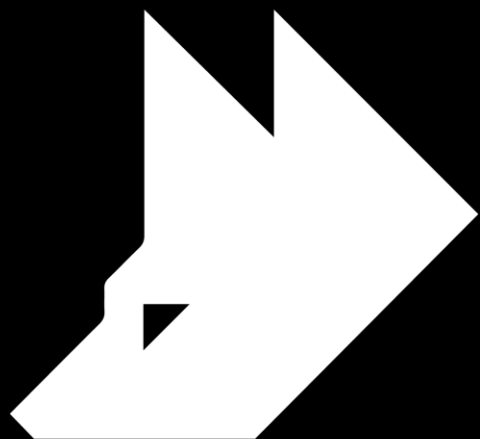
Department of Defense

- DOD and the IC have evaluated underlying technology via NCDSMO RTB LBSA testing

- Garrison is well-known throughout DISA and broader DOD and IC

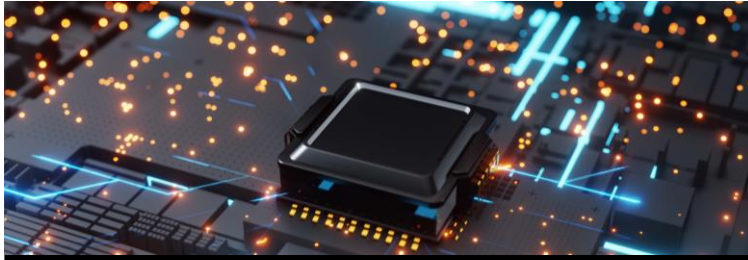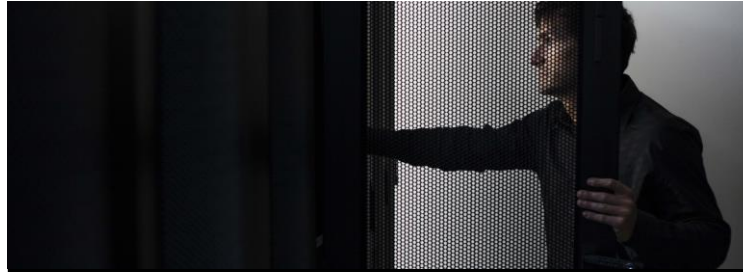- GIAs are in use at scale throughout the DOD and IC

EVERFOX

Demo

Everfox ULTRA RBI

EVERFOX

Everfox **ULTRA** Difference

Secure

- Physical protocol break between HTN and DODIN

- Resilient to current and future cyber threats

- One stop shop

Flexible

- High performance at scale via dedicated resources

- Ease of deployment via cloud service

- Hybrid deployments available for better performance

Assured

- Underlying tech certified and verified by USG   third-party assessment

- FedRAMP Moderate partnership with DHS

- Everfox supports >300K CDS users

EVERFOX

Thank You

For more information, please contact:

Rich Kurila

Account Executive, Everfox

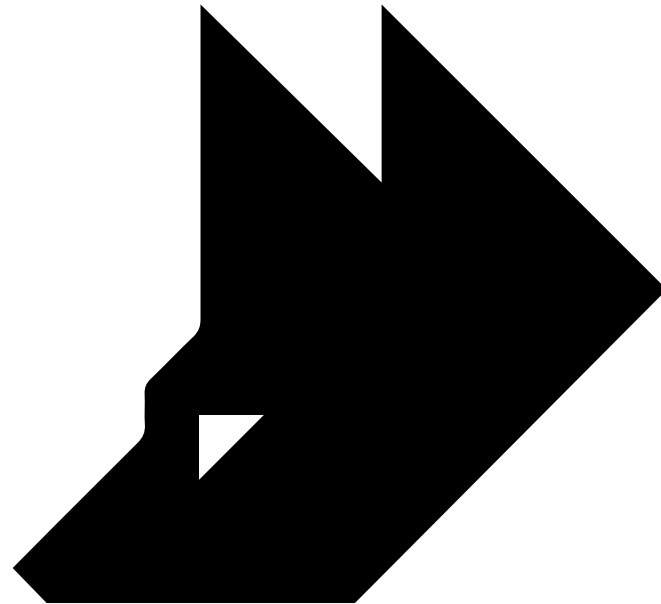**e:** richard.kurila@everfox.com

p: (703) 864-4506

Barbara Bridges

Senior Strategic Relationship Manager, Everfox

e: barbara.bridges@everfox.com

p: (703) 405-9752

EVERFOX