DATA SHEET

Securin

External Attack Surface Management (EASM)

The Need for External Attack Surface Management

Most organizations are experiencing rapid attack surface expansion, including increasingly decentralized operations, acquisitions, shadow IT in the cloud, as well as 3rd party risks. To prevent the growing number of vulnerabilities from overwhelming resources, vulnerabilities must be understood and prioritized in the unique context of their environment. Lacking this information, already overworked security, development, and remediation teams find themselves:

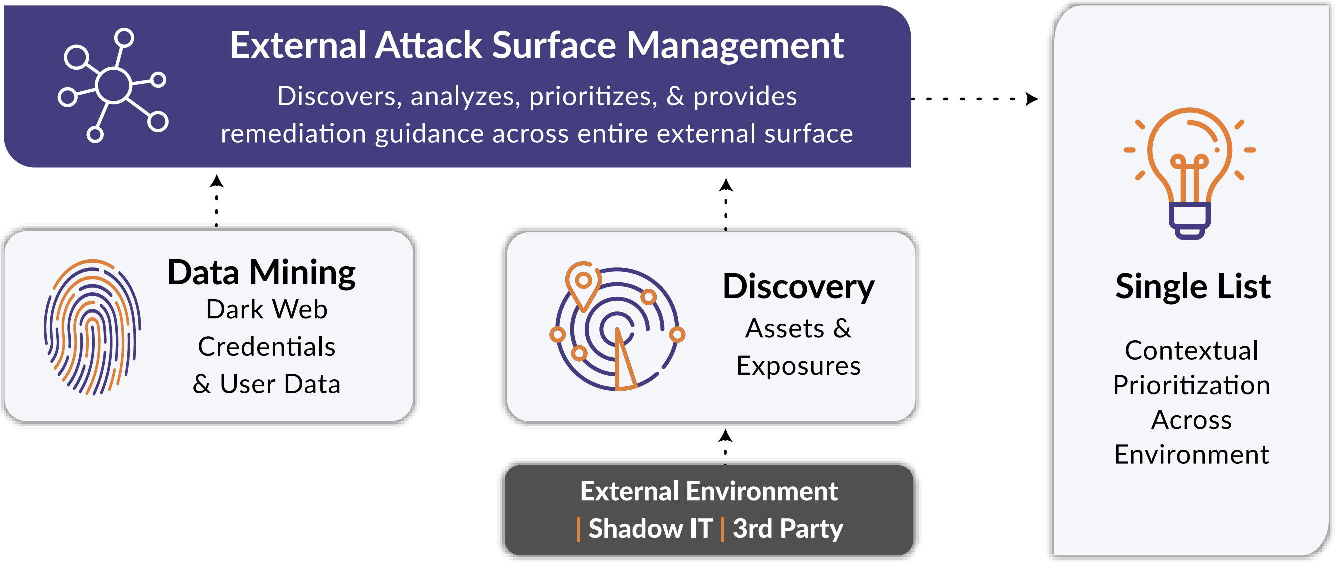
- **Dealing with Low Signal to Noise Ratio:** With thousands to millions of vulnerabilities, groups like security, development, and remediation cannot keep up with workload much less drive efficiencies.
- **Reconciling Prioritizations:** Spending valuable time trying to reconcile conflicting prioritizations across multiple security tools.
- **Reacting to Business Initiatives:** Without the ability to proactively assess the risks in a given environment, security teams are doomed to react each time the business executes an initiative.

Due to the rapid, ongoing expansion of attack surfaces, point-in-time assessments age rapidly and so continuous monitoring is needed to detect issues in near real time. Security teams need robust vulnerability prioritization that spans the entire environment, provides proactive support for business initiatives, and addresses the needs of all groups, from development to security to remediation.

Introducing Securin EASM

Delivered as a software as a service (SaaS) application, Securin External Attack Surface Management (EASM) provides a single, prioritized list of vulnerabilities across the entire attack surface – external environment, Dark Web, shadow IT and 3rd party – all from an adversary's point of view. Securin EASM is powered by researching the entire web, crawling the organization's environment, and data mining the Dark Web. Securin EASM algorithms continuously evaluatethe severity of risks and balance them against asset priority. The result is a single list of vulnerabilities, prioritized in the context of that unique overall environment.

Product Overview



External Attack Surface Management

Discovers, analyzes, prioritizes, & provides remediation guidance across entire external surface

Data Mining

Dark Web Credentials & User Data

Discovery

Assets & Exposures

External Environment | Shadow IT | 3rd Party

Single List

Contextual Prioritization Across Environment

Features

Leveraging intelligence from Securin Vulnerability Intelligence (VI), Securin EASM provides leading-edge capabilities for security teams and applications.

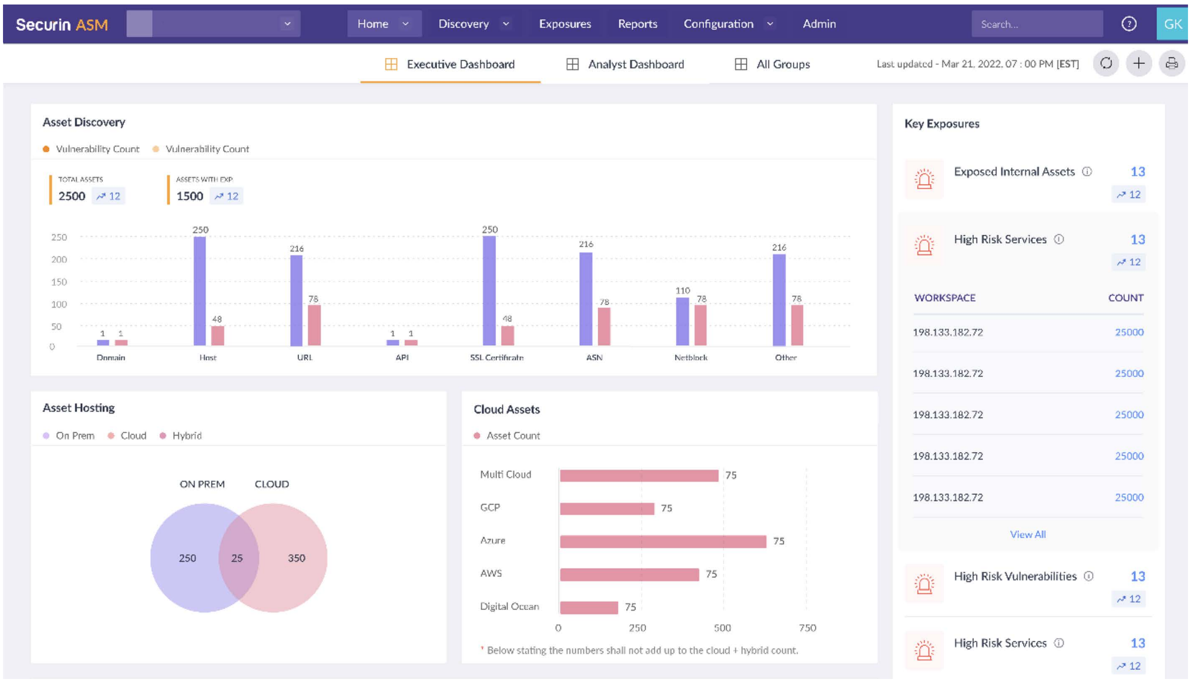
Discovery	Securin EASM conducts continuous crawling for discovery of the external environment, Dark Web, cloud (ingest AWS periodically for in-depth scans)/ shadow IT, 2nd party (lateral domains), 3rd party (vendors and suppliers). On average, EASM discovery yields 20-30% previously unknown assets.
Credential Intelligence	Even the best security is bypassed by a leaked System Administrator User ID and password. Securin EASM provides over 40x the Dark Web information versus open-source intelligence (OSINT), such as leaked credentials used in direct attacks. Also, Securin EASM identifies passwords sent in clear text.
Exploit Intelligence	Securin EASM provides rich information about exploits, tracking: proof of concept (POC) exploits, remote code execution (RCE), privilege escalation (PE), public exploits, exploitation in the wild, exploitation by threat actors, exploitation by ransomware, and exploit code.
Web Crawling	Securin EASM crawls the entire web to detect potentially vulnerable systems and attacker command & control (C2) infrastructure. Securin EASM notifies when the organization is interacting with these systems.
Contextual Prioritization	Securin EASM generates a single, normalized, prioritized list of vulnerabilities. Securin EASM takes an adversary's view in prioritizing the vulnerabilities most likely to be exploited in that unique environment.
Remediation Validation	As a safeguard, Securin EASM validates that remediation was applied, checking three times before closing if an issue is not found. To minimize processing, security teams can manually flag the remediation as closed.
Environment Risks	Securin EASM gathers and assesses information about the computer, network, and cloud environment, including application programming interfaces (APIs), and the tech stack. Problematic issues such as misconfigurations and certificate issues are pinpointed. Exposures such as open ports and unsecured services are also identified.
Implementation	Readily onboarded in less than an hour, Securin EASM provides full attack surface and asset information via REST APIs. Information is also available via the user interface (UI) for interactive exploration. For formal integrations, Securin EASM fully interoperates with IT service management (ITSM) applications, network scanners, and public clouds. In addition to being fully embeddable, Securin EASM is also available as an OEM product.

Usage Modes

Each vulnerability's history, association with threat actor groups, use in the MITRE ATT&CK framework, and mitigation or remediation is detailed in user-friendly drill down and drill through formats. Securin EASM is accessible via UI for interactive exploration and and via REST APIs for embedding in applications and for OEM arrangements.

- **Direct Access:** Via an intuitive user interface (Figure 1 and Figure 2), security analysts can explore vulnerabilities interactively. Vulnerability information is shown by assets, but analysts can search, filter, drill down, and drill aside to explore all information.

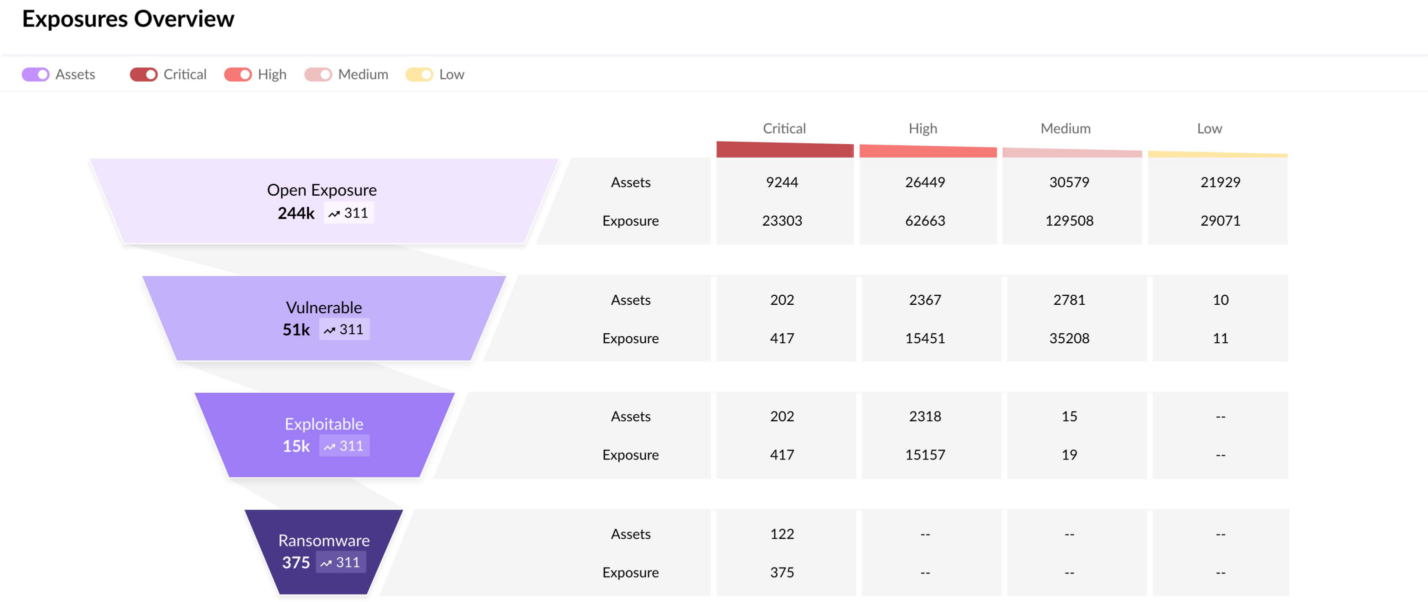
- **Embedded in Applications:** Securin EASM is designed to be leveraged by other applications and tools. SaaS delivery and robust APIs ensure that Securin's model of intuitive exploration is available within the organization's customized applications and original equipment manufacturer (OEM) applications including those delivered by managed security service providers (MSSP).



WORKSPACE	COUNT
198.133.182.72	25000
198.133.182.72	25000
198.133.182.72	25000
198.133.182.72	25000
198.133.182.72	25000

* Below stating the numbers shall not add up to the cloud + hybrid count.

Figure 1: Securin EASM provides intuitive attack surface management across the external environment.



		Critical	High	Medium	Low
Open Exposure 244k ↗ 311	Assets	9244	26449	30579	21929
	Exposure	23303	62663	129508	29071
Vulnerable 51k ↗ 311	Assets	202	2367	2781	10
	Exposure	417	15451	35208	11
Exploitable 15k ↗ 311	Assets	202	2318	15	--
	Exposure	417	15157	19	--
Ransomware 375 ↗ 311	Assets	122	--	--	--
	Exposure	375	--	--	--

Figure 2: Securin EASM has powerful display and filtering capabilities available via UI and API.

Unique Capabilities

Securin EASM provides unmatched capabilities including:

- **Discovery Intelligence:** Discover 20-30% of assets previously hidden to the organization (shadow IT).
- **Credential and PXI Intelligence:** Mine for leaked credentials used in direct attacks with 40x the Dark Web information found in open-source intelligence (OSINT) approaches. Also, discover network passwords sent in clear text.
- **Contextual Prioritization:** Contextual prioritization ranks vulnerabilities from an adversary's perspective in terms of ease of exploitation in that unique environment. With this focus, security teams have been able to reduce overall issues by 71% in just a few months.
- **Environment Intelligence:** Gather and assess information about the computer, network, and cloud environment, highlighting misconfigurations, certificate issues, open ports, and more.

Benefits

These benefits apply both to direct use via the UI and embedded use via APIs.

Provides Single Source of Prioritization

Compiles a single, prioritized list of vulnerabilities – with asset values factored into the analysis - for that customer's external environment including Dark Web, shadow IT, and 3rd party.

Supports Business Initiatives Proactively

Provides proactive risk assessment before acquisition, integration into corporate network, or migration to a new environment, supporting business initiatives.

Addresses Needs of All Groups

Delivers a full range of information and automation-ready background to maximize the effectiveness of groups such as development, security, and remediation.

About Securin

At Securin, we empower teams and organizations to minimize their business risk with our comprehensive range of offensive cybersecurity solutions. These solutions are carefully crafted to be intuitive, adaptable, and scalable, catering to organizations of all sizes in today's ever-changing digital landscape. Securin's human-augmented intelligence approach to cybersecurity empowers organizations to thrive by proactively addressing emerging threats and uncertainties, ensuring their security.

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