

Boosting human capabilities





IntSights + Active Directory: Automatically Validate and Lock Down Leaked Credentials with AD Integration

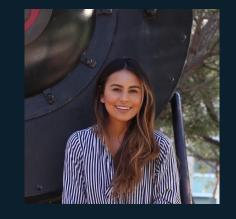


Meet The Team



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Agenda

- IntSights Overview
- IntSights Active Directory Integration
 - Overview and Benefits
- Customer Use Case
- Q&A



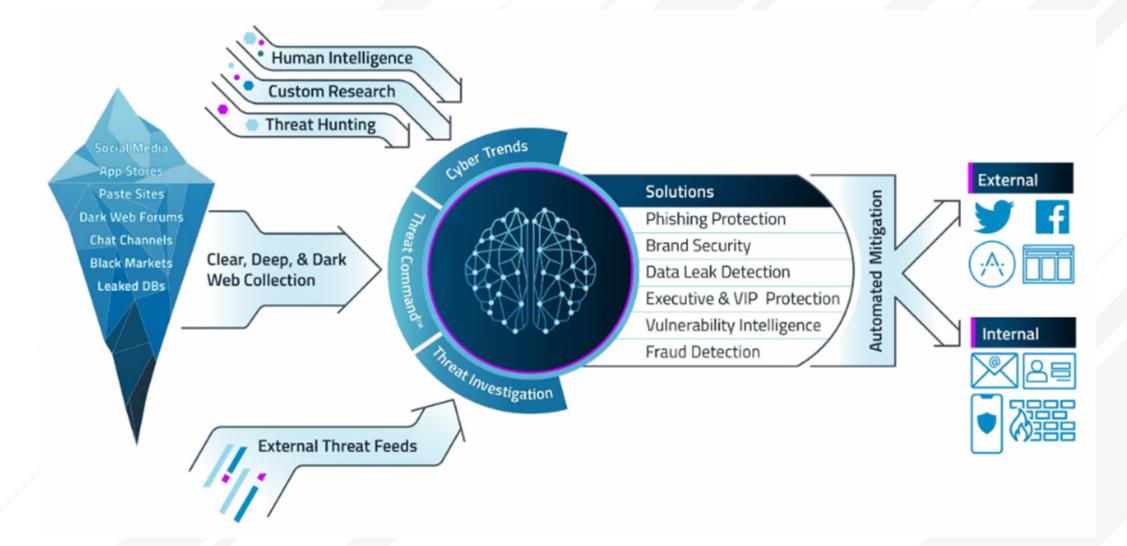




IntSights Overview

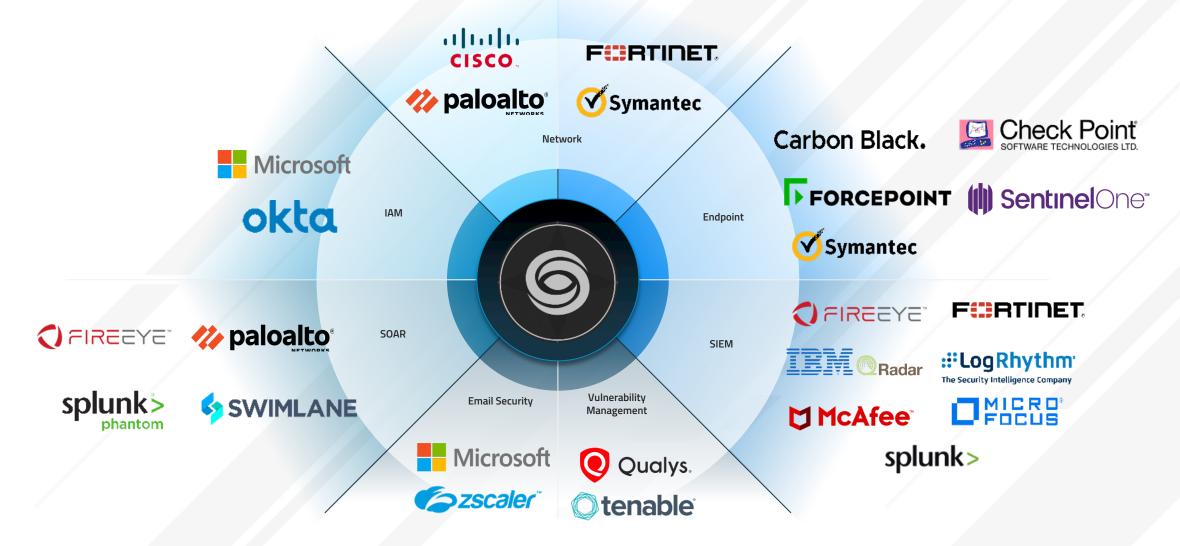


The IntSights Advantage



AVALORA

Plug & Play Into Your Existing Infrastructure





Challenges and the IntSights Solution

- Credential leakage is one of the most popular and successful attack methods used by cyber-criminals to exploit users and breach enterprise organizations due to the commonality of employees re-using passwords from Microsoft Office accounts and their personal online services.
- IntSights discovers leaked credentials from continuous surface, deep and dark web scanning of forums, chat rooms, GitHub, paste sites, leaked databases and more.
- IntSights provides automated notifications security teams about potential credential leakage with instructions for immediate password change and other remediation actions

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stacy _.	stacy_	secur: e.whitepages.com:DED686393 7FD1DE41
stacy_	stacy _.	whitepages.com:0645FE59D80 00A264
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171% Increase in Compromised Employee Credentials





IntSights Active Directory Integration



How It Works

Real-Time Credential Leakage Alerting

Dark Web - 7 active login credentials of current employees were confirmed Last updated : Dec 18, 2019 | 6:43 PM $(IntSights.com \times)$ $(usa.intsights.com \times)$ $(000Webhost Breach \times)$ $(uk.intsights.com \times)$

(partner.intsights.com ×) (customer.intsights.com ×

Alexei Rubinstein

Close alert

Contextual Actionable Intelligence

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Active Directory Azure

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Active Directory Automated Remediation

- Confirm that employee is indeed active on the environment
- If yes, initiate password verification
- If password is verified for active account, _ proactively block user and alert system administrator
- Lock account or force password change _ upon next login



Ask an analys

Real-Time Credential Leakage Detection & Alerting

Continuously monitor and detect early signs of leaked credentials including:

- Paste sites
- Dark web and hacking forums
- File sharing websites
- Code repositories

In the last 6 months alone, IntSights discovered more than 2,000 leaks

- The leaks contain 10,000+ leaked user accounts





Policies & Automated Remediation

- Automated Alerting (on every detected leak)
- Real-Time Validation
 - Validate user existence in your AD on-prem and cloud.
 - Once user is validated, perform a password check to validate if the leak matches an active user with valid credentials.

Proactive Remediation

- Automatically disable user login.
- Require password change upon next user login.





Data Leakage Policy Example

Data Leakage Rules List				
Rule name			Matched alerts	
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Active User \ Valid Password			0 🕐	•
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Active User \ Invalid Password			60 🖑	•
→ ^b Threat profile Type: Credentials Leakage	Severity: High Medium Low	Internal remediation Leaked accounts Leaked passwords	⊘ External remediation	Section ✓ ▲
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Context-Rich Actionable Intelligence

- Real-time contextual alerts
- Organization-specific credential leakage alerts



1 The leak exposed 19 users, total. 8 users were active, of which 0 had a valid password in the Active Directory.

Description

Dark Web - Login credentials of 19 employees were leaked from Avvo (Full leak). The leak includes usernames and passwords that are most likely encrypted. They might be used to infiltrate the company's systems.

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Download CSV

Recommendations

Ask an analyst

It is recommended to change the passwords of the affected accounts.

It is also recommended to advise all the employees not to use their corporate emails in third party services.





Close alert

Leveraging IntSights, Ulta was able to achieve demonstrable enhancements in system manageability, ease of use, direct impact on ROI, and bottom-line efficacy including:

- Real-time visibility and control of potential leaked credentials
- Ability to lock down users (require immediate PW change)
- Dramatic time and cost savings, and a measurable impact on bottom line





Customer Use Case





The first rule of any technology used in a business is that automation applied to an efficient operation will magnify the efficiency.

The second is that automation applied to an inefficient operation will magnify the inefficiency...

"

Bill Gates



The Good, The Bad, and The Ugly...

– The Good…

- High productivity through efficiency and proper alerting
- Takes pressure off "alert fatigue" and backlog
- Automation + Good Process = Efficiency

- The Bad...

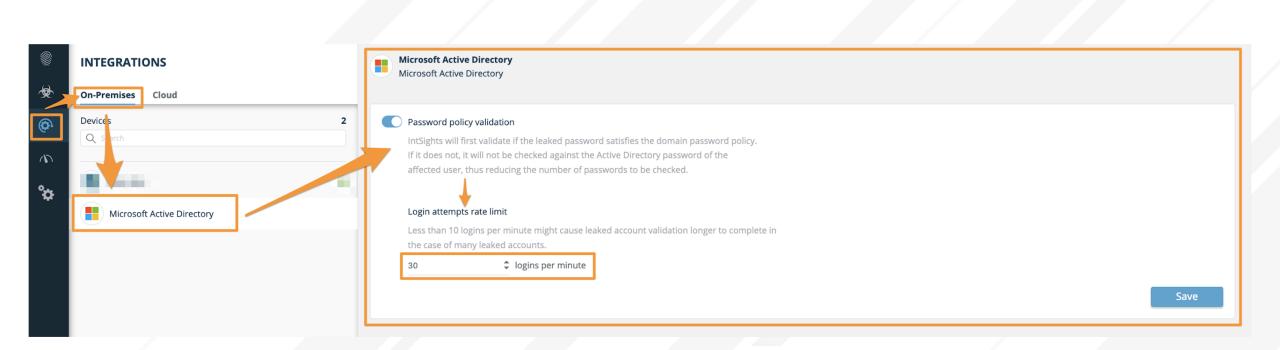
- You may miss large breaches if these are not reviewed each week
 - Monitor these events in the dashboard
- Increase in tickets and calls to your Service Desk or End User Services
- Automation + Lack of Process = <u>No Efficiency</u>

The Ugly...

- Typically not from misuse, but rather neglect
- Ignoring potential due to lack of knowledge of the platform
 - Challenge your account managers to help you
- Not knowing when to "pull the plug"
 - Failure is ok



Ulta Use Case – Implementation





Ulta Use Case – Implementation

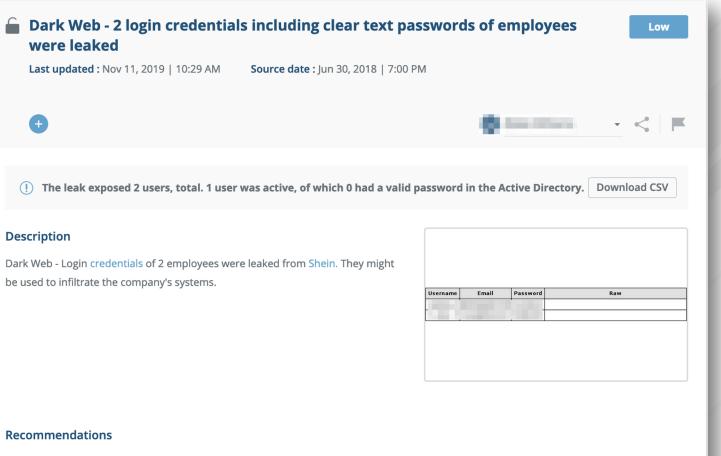
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Ulta Use Case – Focus on Efficiency and Speed

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	reat Command	AD - Active User Account - YES	
a	J Phy g 3	AD - Active User Account - YES Based - TES	
	🔓 Data Leakage 3	Matched alerts: 10 ×	
	Brand Security 2	Last Day Last Month	
	Attack Indication	Title Source URL Date	
	🚊 Exploitable Data 🛛 0	1 login credentials including clear text password o https://anonfile_om/ZfH1 <u>Go to alert</u>	
		VIP - 1 login credentials including encrypted passw	
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Ulta Use Case – Real-World Example



- It is recommended to change the passwords of the affected accounts.
- It is also recommended to advise all the employees not to use their corporate emails in third party services.



Ulta Use Case – Real-World Example

(!) Th	he leak exposed 2 users, total. 1	user was active, of which 0 had a valid	password in the Active Directory.	Download C
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CSV

Description

Dark Web - Login credentials of 2 employees were leaked from Shein. They might

be us	Username	Email	Password	Raw
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Pop Out for Quick Review

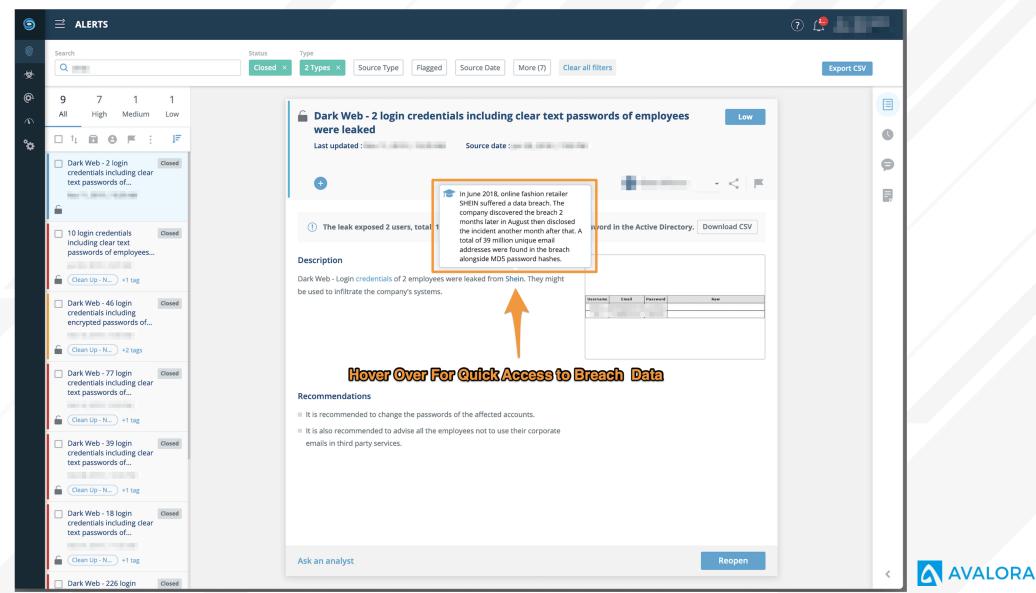
ne	Email	Password	Raw
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Recommendations

- It is recommended to change the passwords of the affected accounts.
- It is also recommended to advise all the employees not to use their corporate emails in third party services.



Ulta Use Case – Real-World Example



Customer-Specific Benefits

We leverage IntSights to deliver increased visibility and continuous monitoring for:

Forums, chat rooms, and social media platforms to identify potential credential leaks

We consume and proactively address incoming alerts to mitigate credential leakage:

- Automatically disable user login
- Force password reset and enforce password strength











Thank You

Learn more about how IntSights can help you build a better cyber defense. <u>Request a demo</u>

