











Shadow IT Tracker

Purpose Many organizations lack visibility into the web applications their employees are using, which introduces significant security risks. This app aims to address those risks by:

- Preventing sensitive company information from being stored in unauthorized web applications accessible only by individual employees.
- Mitigating the risk of ex-employees retaining access to company data after leaving the organization.
- Enforcing password strength and security policies.
- Reducing unnecessary costs when employees pay for redundant or unauthorized web services.
- Identifying fragmented usage of similar applications (e.g., Trello, Jira, Basecamp, Wrike) across teams.
- Flagging applications with poor reputations or known breaches.
- Detecting storage of company data in applications with questionable data usage policies (e.g., some PDF tools claim rights over uploaded content).
- Encouraging the use of managed Single Sign-On (SSO) solutions like Google Workspace over standalone credentials.

Architecture The system is built using an event-driven, API-first architecture to facilitate seamless integration with third-party security platforms.

- **Frontend:** Svelte for a lightweight, reactive user interface.
- **Backend:** AWS infrastructure leveraging API Gateway, SNS, SQS, Lambda, and MongoDB.
- **Browser Extension:** A Chrome extension that parses visited sites, detecting login events and recording them in the database.

SaaS-Aware						
ADD FILTER						
Domain	Title	Browser Profile	User	Login Type	Data/Time	
 www.facebook.com	IKEA HEMNES Bed Frame Queen Size, With 2 Storage Boxes, plus Box Spring From Mattress Firm - Beds & Bed Frames - Fort Collins, Colorado Facebook Marketplace Facebook	spino@parkmatt.com	stevem.pinto@devnet.net	Password	6/2/2023, 2:57:51 PM	
 192.168.52.175	DevTel - Synology DiskStation	stevem.pinto@devnet.com	stevem.pinto	Password	6/2/2023, 2:35:26 PM	
 eyeonwater.com	EyeOnWater: Making Water Visible™	stevem.pinto@devnet.com	stevem.pinto@devnet.com	Password	6/2/2023, 8:49:05 AM	
 secure.verizon.com	My Verizon login: Sign in to your Verizon Wireless or FiOS Account	stevem.pinto@devnet.com		Password	6/2/2023, 8:30:51 AM	
 www.eyeonwater.com	EyeOnWater: Making Water Visible™	stevem.pinto@devnet.com	stevem.pinto@devnet.com	Password	6/2/2023, 8:07:29 AM	
 us.etrade.com	Investing, Trading and Retirement - e*TRADE	stevem.pinto@devnet.com	louthor6515	Password	6/1/2023, 4:55:30 PM	
 www.wellsfargo.com	Wells Fargo Bank Financial Services & Online Banking	stevem.pinto@devnet.com	stevem.pinto	Password	6/1/2023, 4:32:29 PM	
 www.nationwide.com	Account Login - Personal and Business - Nationwide	stevem.pinto@devnet.com	pinto@family@devnet.com	Password	6/1/2023, 3:54:36 PM	
 www.paycomonline.net	Employee Self Service®	spino@parkmatt.com	@st3r1sk1	Password	6/1/2023, 3:44:29 PM	
 consumercenter.mysyncrony.com	Consumer Center	stevem.pinto@devnet.com		Password	6/1/2023, 3:02:11 PM	
				Records Per Page	10	3/10 of 1448

View All Hits

Group by Domain

Group by Browser Profile

How to Deploy SaaS-Aware



SaaS-A

+ ADD FILTER

