SPUR

Monocle

Passive, captcha-like session enrichment to prevent fraud and abuse
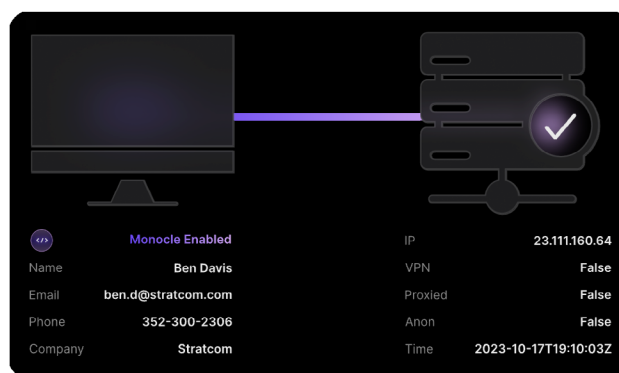
Defending digital platforms from bots, account fraud, and other anonymized threats requires session-level accuracy to prevent unnecessary user friction. Obscured traffic such as VPNs or residential proxies is a critical indicator of potential abuse. However, traditional approaches can't keep pace with how quickly IP address usage changes or with very busy networks — forcing companies to make risky, binary yes-no choices on website, mobile or application traffic. Without high-fidelity, explainable, and real-time data, organizations can't trust what a user is really doing or who they're associated with, risking fraud and security incidents.

Defend Digital Platforms from Anonymized Threats

Spur Monocle is a lightweight, passive captcha JavaScript utility that identifies anonymized user sessions, delivering enriched contextual risk insights that enable website and application owners to contextually manage user activity. With Monocle, security and fraud teams can log, filter, or block bad traffic, defending their digital platforms in real-time.

60M+ Active Anonymous IPs

99.7% Detection Success Rate

1,000+ Active VPN and Proxy Services

0.03% False Negative Rate

Monocle Enabled			
Name	Ben Davis	IP	23.111.160.64
Email	ben.d@stratcom.com	VPN	False
Phone	352-300-2306	Proxied	False
Company	Stratcom	Anon	False
		Time	2023-10-17T19:10:03Z

Monocle is a passive, lightweight JavaScript plugin designed to detect residential proxies and bots.

Key Capabilities

Passive Session-Level Detection
Passively assesses an individual device and session to detect users coming from anonymized VPNs and proxy networks in real time.

Quick Insights
Provides a dashboard to view insights into user sessions.

No Local Storage or Cookies
Assesses at edge servers, not at a centralized backend, so users cannot be tracked or monetized.

Broad Coverage
Spur delivers more comprehensive detection than anyone else in the market, covering 60 million+ active anonymous IPs and 1,000+ active VPN and proxy services, with Monocle detecting these networks on first use.

Rule-Based Actions
Implements simplified real-time actions based on the contents of a session assessment, including restricting or blocking session based on geo, proxy, or VPN attributes.

Act on Findings
Sends assessments to the web server to be decrypted and evaluated to make decisions or log activity for further analysis.

Deployment in Minutes
Captcha-like JavaScript utility deploys in minutes, with simple integrations into common front-end web frameworks such as React.

Depth of Attributes
Spur provides more than 20 attributes, including geo location, ASN, proxy/VPN status and attribution, device type, connection type, tunnel entry/exit context — not opaque scoring.

Benefits

- Maintains positive user experience by assessing sessions without impacting performance.
- Reduces the risk of false positives and negatives with the highest-fidelity data available.
- Reduces risk in real-time, protecting high-value assets from potentially malicious traffic.
- Reduces risk by improving visibility into website and application traffic.
- Ensures customer privacy and data security.
- Improves efficiency, with a familiar deployment to any popular web utility.

Use Cases

Security Operations

- **Perimeter Security:** Identify interactions with anonymous infrastructure.
- **Identity Management:** Determine if login activity originates from anonymity services.
- **Platform Abuse:** Determine if APIs or services are being misused.

Fraud

- **Geo Fraud:** Identify the geography of a user for content or compliance purposes.
- **Ad Fraud:** Determine if there is a real user or bot campaign behind activity.
- **Denial of Inventory:** Determine if there is an anonymous actor hoarding items in carts.

Package Options	Community Edition	Enterprise Edition
Update cadence	Real-Time	Real-Time
Monthly assessment limit	10,000,000	50,000,000
99.3% Detection Rate	✓	✓
Edge Deployment	✓	✓
End-to-End Encrypted	✓	✓
Proxy and VPN Detection	✓	✓
Performance SLA		✓
Service Attributions		✓
Experimental Fields		✓
Access to Data Feeds	Add-on	Add-on
Access to Context API	Add-on	Add-on

Get started for free at app.spur.us

About Spur

Spur delivers the highest-fidelity IP intelligence available to detect anonymized, proxied, or otherwise obscured internet traffic, empowering you to stop fraud, fake users, and threats. Designed by expert security researchers and engineers, Spur elevated VPN attribution, bot detection, and residential proxy tracking to protect the most mission-critical government and commercial systems in the world. For more information, visit spur.us.