

RESIDENTIAL PROXIES (SOCKS5 / WSS)

ProxyBase Residential Proxy Pool Handbook

Guide to Node Procurement Processes, Relay
Architecture, and Ethical Policies

Introduction to Residential Proxy Sourcing

This whitepaper is part of ProxyBase's company-wide transparency initiative, designed to provide complete visibility into the **ProxyBase (proxybase.xyz)** SOCKS5 Residential Proxy infrastructure and how our peer-to-peer node network is sourced, verified, and operated.

"ProxyBase operates strictly within the boundaries of an explicitly consenting, verifiable residential proxy pool. As autonomous AI agents and high-throughput data pipelines drive unprecedented demand for residential bandwidth, strict standards of ethics, cryptographic sandboxing, and transparency remain at the core of our engineering and business operations. Every node supplier and SDK partner in our ecosystem is held to these exact standards. Consciously building on fair, opt-in economics is the foundation of ProxyBase's reliability and growth."

— ProxyBase Trust & Infrastructure Team

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Importance of Ethical Residential Proxy Sourcing

Out of all proxy types, residential proxies stand out as the most sensitive to mistreatment and ethical violations. Because traffic routes through consumer networks, we procure and manage our proxies under strict standards of user sovereignty, cryptographic isolation, transparency, and compliance.

ProxyBase respects the rights of every participant in our Residential Proxy network, ensuring that all residential IPs in our pool originate exclusively from trusted channels:

Physical User Devices & Relay Nodes*

Fully informed and consenting individuals voluntarily join the residential proxy network via the lightweight ProxyBase background client, the **ProxyBase Relay** extension, or vetted partner apps in exchange for financial compensation or rewards. By participating, they agree to share a portion of their idle internet bandwidth to support legitimate business and AI workflows.

Internet Service Providers (ISP)

Considered a less ethically sensitive complement to peer-to-peer residential proxy acquisition because ISP residential proxies do not require individual end-user hardware participation. These proxies are provisioned directly when internet traffic is routed through partner ISP infrastructure.

*ProxyBase manages the Residential Proxy onboarding process and applies strict technical verification and transparency throughout, ensuring that only fully informed and explicitly consenting individuals participate as Seller Nodes in our network.

ProxyBase's Standards for Residential Proxy Acquisition

ProxyBase has established a strict grading system for all non-ISP residential proxy acquisition practices across the industry, defined by four user-centric pillars: user consent, user awareness, clear information, and financial reward.

Tier	Criteria	Description	Result
Tier A+	✓ Financial reward ✓ Clear information ✓ User awareness ✓ User consent	A client/app compensates end-users financially in exchange for sharing idle bandwidth on the residential proxy network.	End-users are fully aware, consenting, and financially compensated as Seller Nodes.
Tier A	✗ Financial reward ✓ Clear information ✓ User awareness ✓ User consent	A platform/app clearly informs and requests explicit permission to include the end-user as a residential exit node.	End-users are fully aware and consent to using their device as an exit node.
Tier B	✗ Financial reward ✗ Clear information ✗ User awareness ✓ User consent	An app hides proxy functions inside misleading or bundled Terms of Service that turn the user into an exit node.	Consent is acquired deceptively without true awareness. Not used by ProxyBase.
Tier C	✗ Financial reward ✗ Clear information ✗ User awareness ✗ User consent	Malware silently connects end-user devices to a residential proxy network without permission.	End-users are neither consenting nor aware. Not used by ProxyBase.

The **Tier A+** and **Tier A** models rely on direct cooperation with end-users, guaranteeing that individuals have granted explicit consent to share idle network resources through dedicated applications.

The gray area of acquisition practices begins when companies or developers hide the true intent of applications or browser extensions by omitting dedicated consent prompts or concealing embedded proxy SDKs altogether.

A majority of ProxyBase's proxy network is composed of Tier A+ Seller Nodes. Our remaining capacity is sourced strictly through audited Tier A integrations and direct ISP partners.

A Closer Look at User-Centric Categories

Consent

ProxyBase's fair-practice model requires acquiring explicit, informed opt-in consent from every Residential Proxy network participant prior to activating any relay stream.

ProxyBase ensures that individuals who choose to monetize their idle internet bandwidth and participate in the proxy network are presented with clear disclosures regarding network participation both during onboarding and in the Terms and Conditions. Intentions to relay third-party traffic must be explicitly and unmistakably stated.

Using any device as a proxy exit node before explicit consent is granted is strictly prohibited under ProxyBase's internal engineering and procurement policies.

Clear Information

Ethical industry practices are impossible to achieve without clearly stated intent. ProxyBase ensures that participants always understand that their device will connect to a distributed Residential Proxy network.

ProxyBase clearly explains how a device operates after joining the network—specifying that only outbound internet bandwidth is utilized, how local network boundaries remain isolated via Yamux stream sandboxing, and how participation can be paused or revoked with a single click.

User Awareness

A genuinely ethical proxy platform continuously builds user awareness regarding the role their devices play in the network. ProxyBase believes participants should know how their bandwidth is utilized, what types of verified clients and AI agents access the network, and what legitimate commercial goals they serve.

ProxyBase takes an educational approach through transparent documentation, real-time Seller Node telemetry dashboards, and community communications that keep participants fully informed.

User Financial Reward

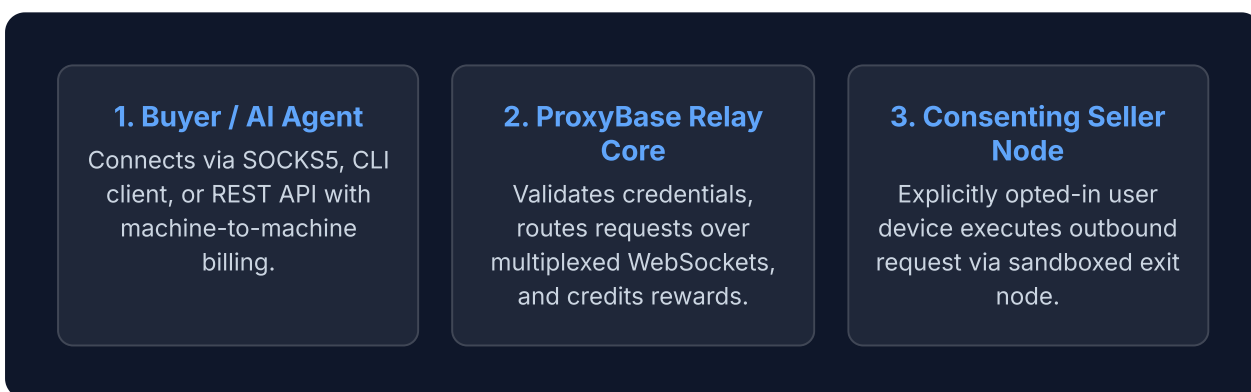
The Tier A+ model operates on fundamental principles of economic fairness. Within ProxyBase, fairness is achieved when every party contributing to the infrastructure lifecycle is directly rewarded.

We maintain an automated monetary reward and payout ledger designed to directly compensate end-users who contribute their unused internet bandwidth to the ProxyBase marketplace.

ProxyBase Residential Proxy Acquisition Procedure

All non-ISP Residential Proxies on **proxybase.xyz** are acquired and routed according to a unified, secure pattern:

While both residential and datacenter proxies provide anonymity, residential proxies use genuine IP addresses assigned by consumer Internet Service Providers (ISPs). Because traffic originates from authentic residential connections, ProxyBase nodes achieve superior pass-through rates for autonomous AI agent browsing, high-concurrency web scraping, ad verification, and localized review monitoring.



By utilizing outbound-only WebSocket tunnels paired with **Yamux multiplexing**, Seller Nodes never open inbound ports on their home routers, guaranteeing zero exposure of the host's local network while delivering low-latency SOCKS5 relay performance.

ProxyBase's Residential Proxy Management Policies

1. User Privacy & Host Sandboxing

ProxyBase prioritizes end-user privacy and security in all proxy operations. Traffic is strictly isolated inside multiplexed outbound streams with zero access to local files or LAN devices, and we collect only the minimal metadata required for routing and reward accounting.

2. User Care & Idle-Only Throttling

ProxyBase guarantees that the performance of all actively used host devices remains unaffected. Smart bandwidth limiters ensure Seller Nodes only relay traffic using idle network capacity.

3. Unaltered Data Relay

When ProxyBase customers or AI agents send a request, destination servers receive those requests exactly as transmitted. We do not modify, inject, or tamper with payload data as it passes through our relay infrastructure.

4. Ethical & Endpoint Compliance

ProxyBase enforces strict ethical standards for both node acquisition and buyer usage, combining procedural consent audits with automated endpoint filtering to prevent network misuse.

Conclusion

ProxyBase's core engineering and ethical values sit at the foundation of every major business decision. They encompass everything from the way we onboard Seller Nodes and audit SDK partners to the way we serve developers, AI builders, and enterprise partners.

Our company will continue to bring transparent value to both bandwidth buyers and end-user contributors while striving to set the gold standard for ethical proxy infrastructure. ProxyBase pledges to safeguard its policies regarding fairness, cryptographic isolation, and transparency through continuous auditing and best-in-class engineering practices.

ProxyBase's overarching vision is to see the entire proxy and agentic data industry evolve toward trust-based, sustainable practices—where complete end-user awareness, explicitly granted consent, and fair financial rewards are the universal rule, not an exception.

Want to Know More?

If you would like to learn more about any of the topics covered in this whitepaper, integrate our SOCKS5 residential network into your AI agent workflows, or become a verified SDK partner, get in touch with our team.

WEB: <https://proxybase.xyz>

DOCS: <https://proxybase.xyz/docs>

CONTACT: support@proxybase.xyz