

# Internet Technology Platform

Tackling Global IPv4 shortage

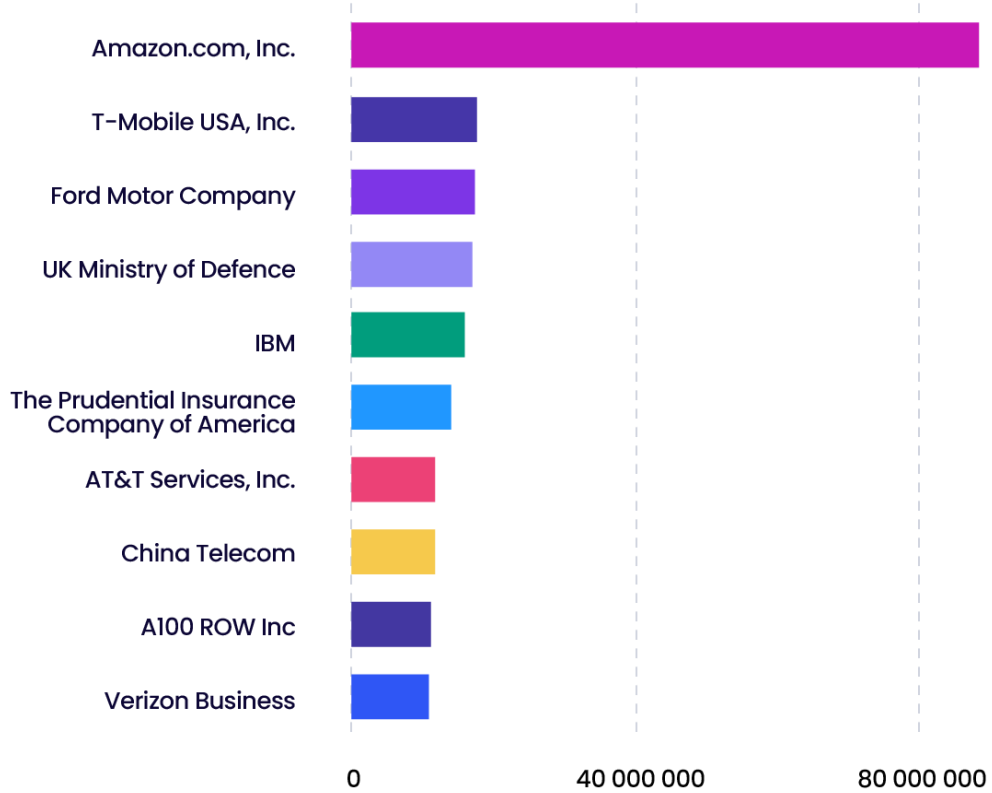


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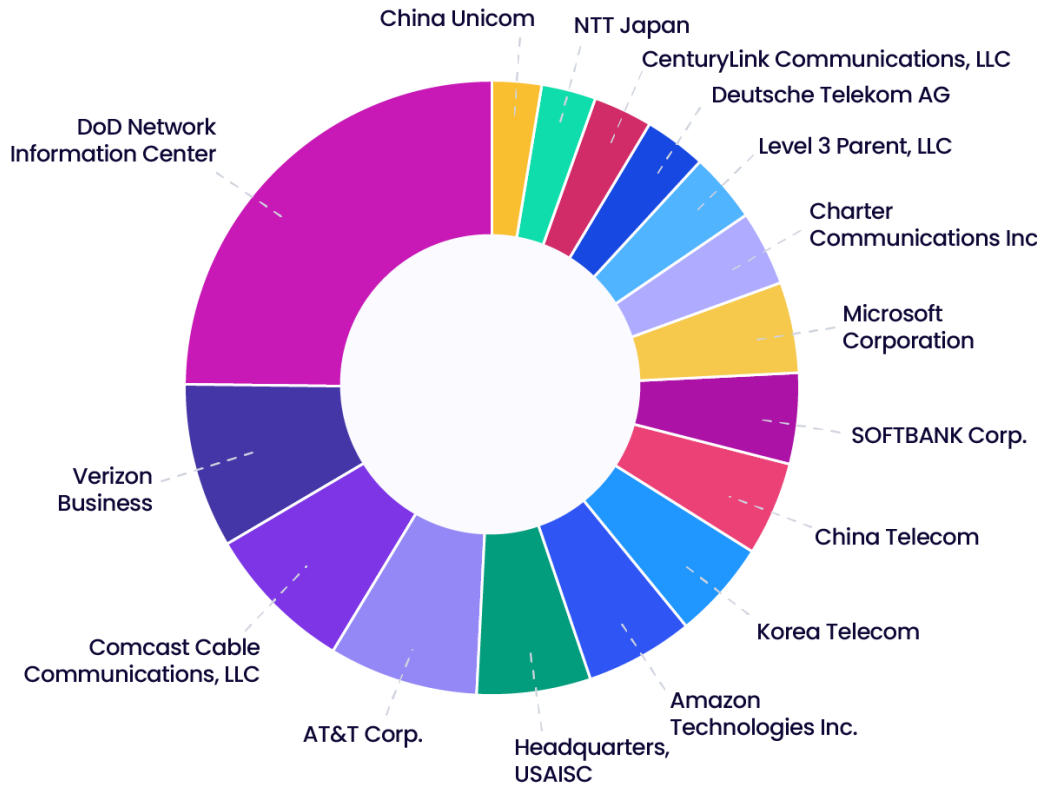
**How sustainable is IPv4?**

# BGP Table

## Largest holders of the unadvertised space



## BGP biggest advertisers





**82,35%**

**Total IPv4 address space announced**

(3,036,467,088 IPv4)

**17,65%**

**Not announced**

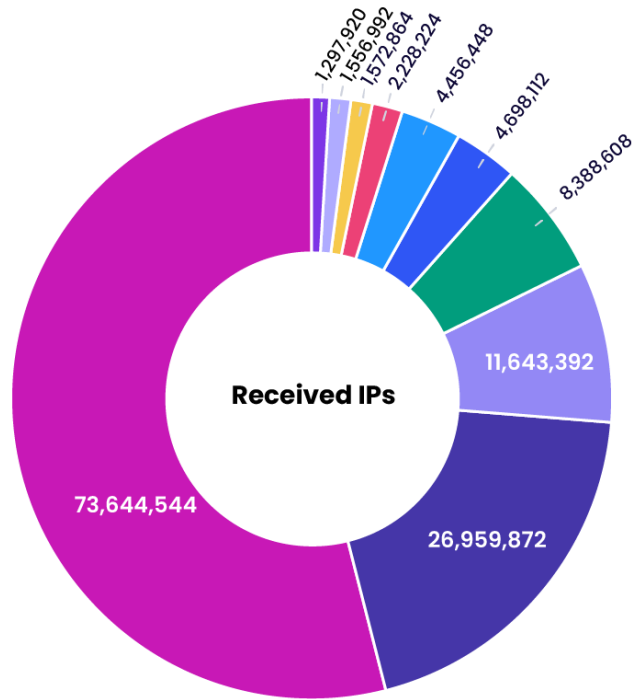
(650,705,512 IPv4)

**Total  
allocated  
IPv4 pool**  
3,687,172,600

# The Largest IPv4 Buyers vs. Sellers

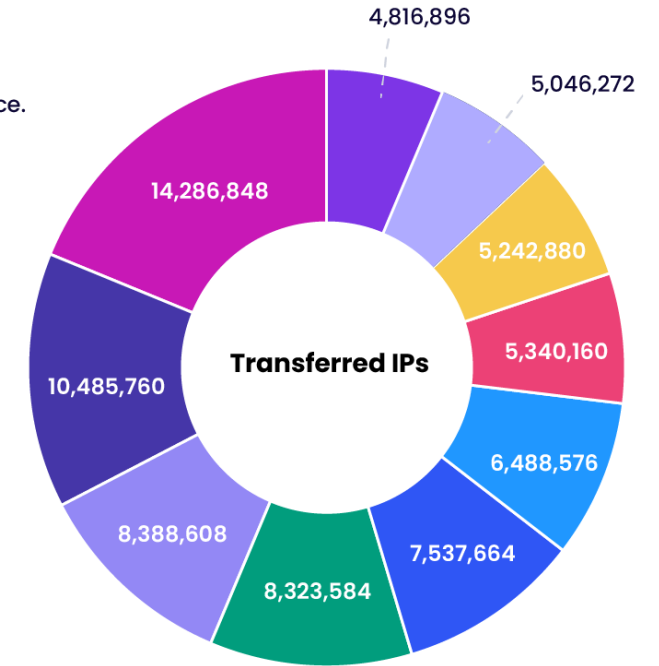
## Top 10 buyers

- 1 Amazon.com, Inc.
- 2 Microsoft Limited
- 3 Google LLC
- 4 Alibaba Cloud (Singapore) Private Limited
- 5 Oracle Corporation
- 6 Tencent Cloud Computing (Beijing) Co., Ltd
- 7 ACEVILLE PTE.LTD.
- 8 DXC US Latin America Corporation
- 9 Vodafone Limited
- 10 A100 ROW Inc



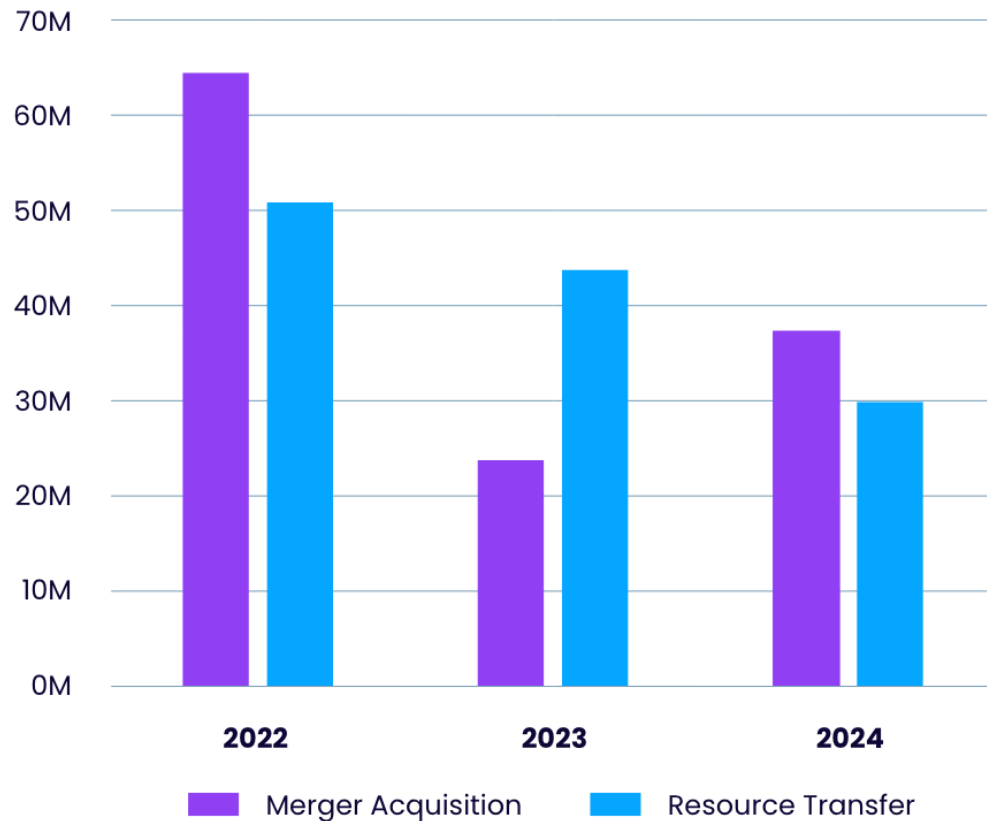
## Top 10 sellers

- 1 APIDTT PTY LTD
- 2 United States Postal Service.
- 3 Halliburton Company
- 4 HEWLETT PACKARD ENTERPRISE COMPANY
- 5 DXC US Latin America Corporation
- 6 Level 3 Parent, LLC
- 7 Ford Motor Company
- 8 Oath Holdings Inc.
- 9 AT&T Corp.
- 10 Eli Lilly and Company

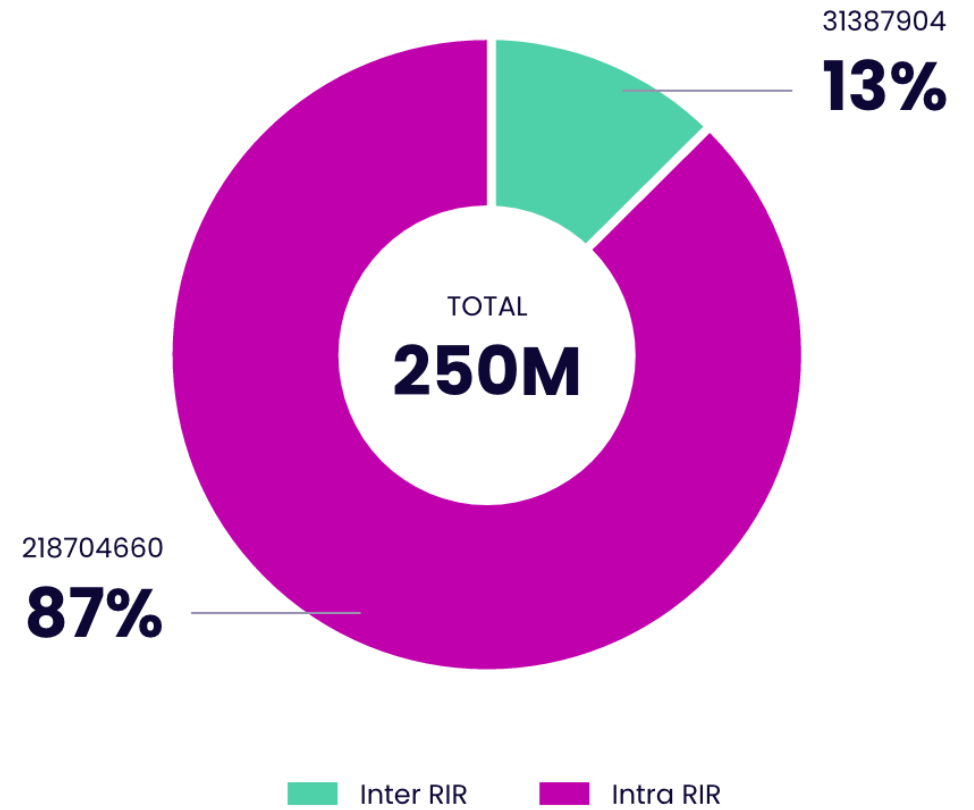


# Transfer types 2022-2024

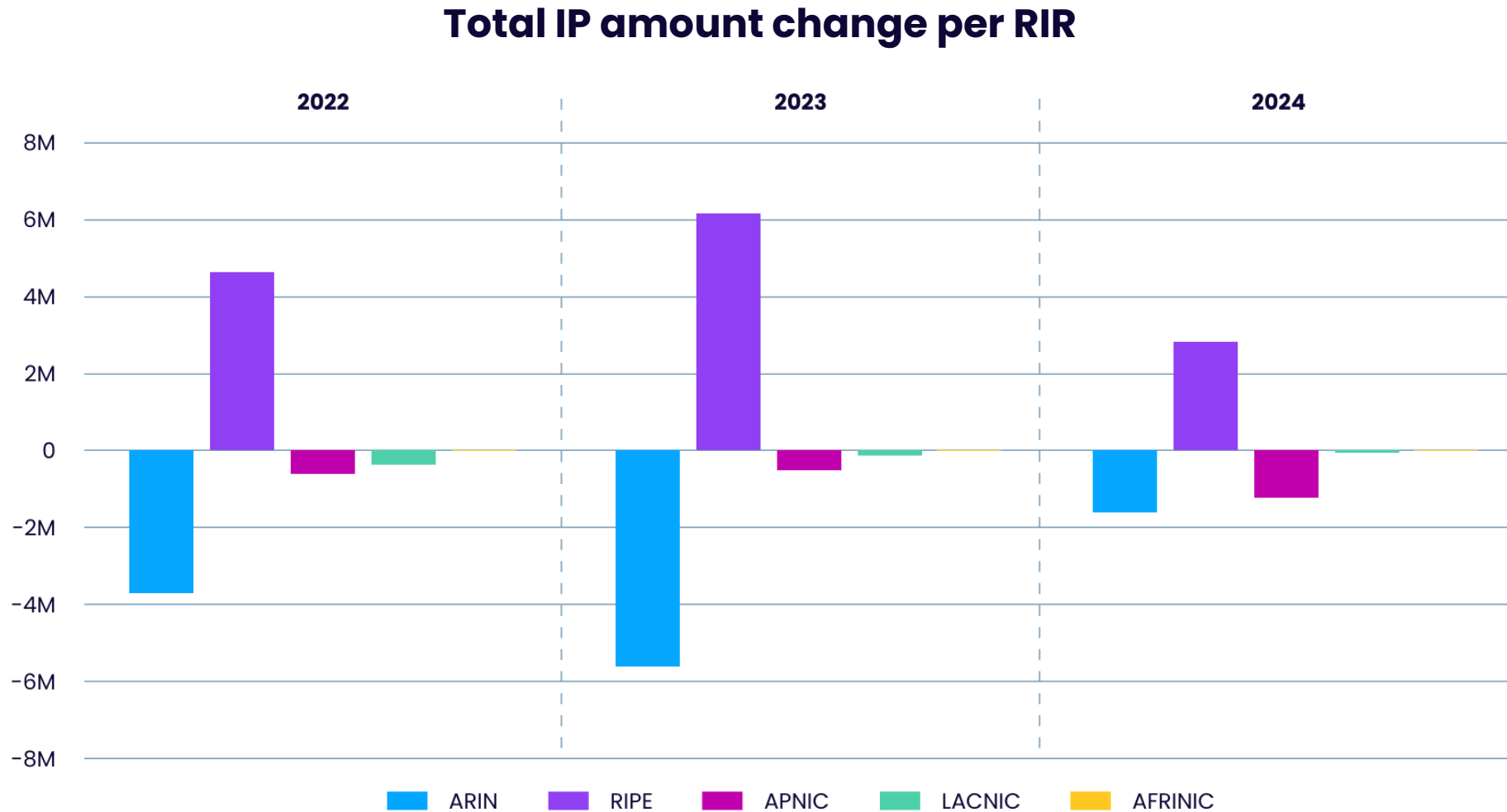
## M&A and Transfer Volume comparison



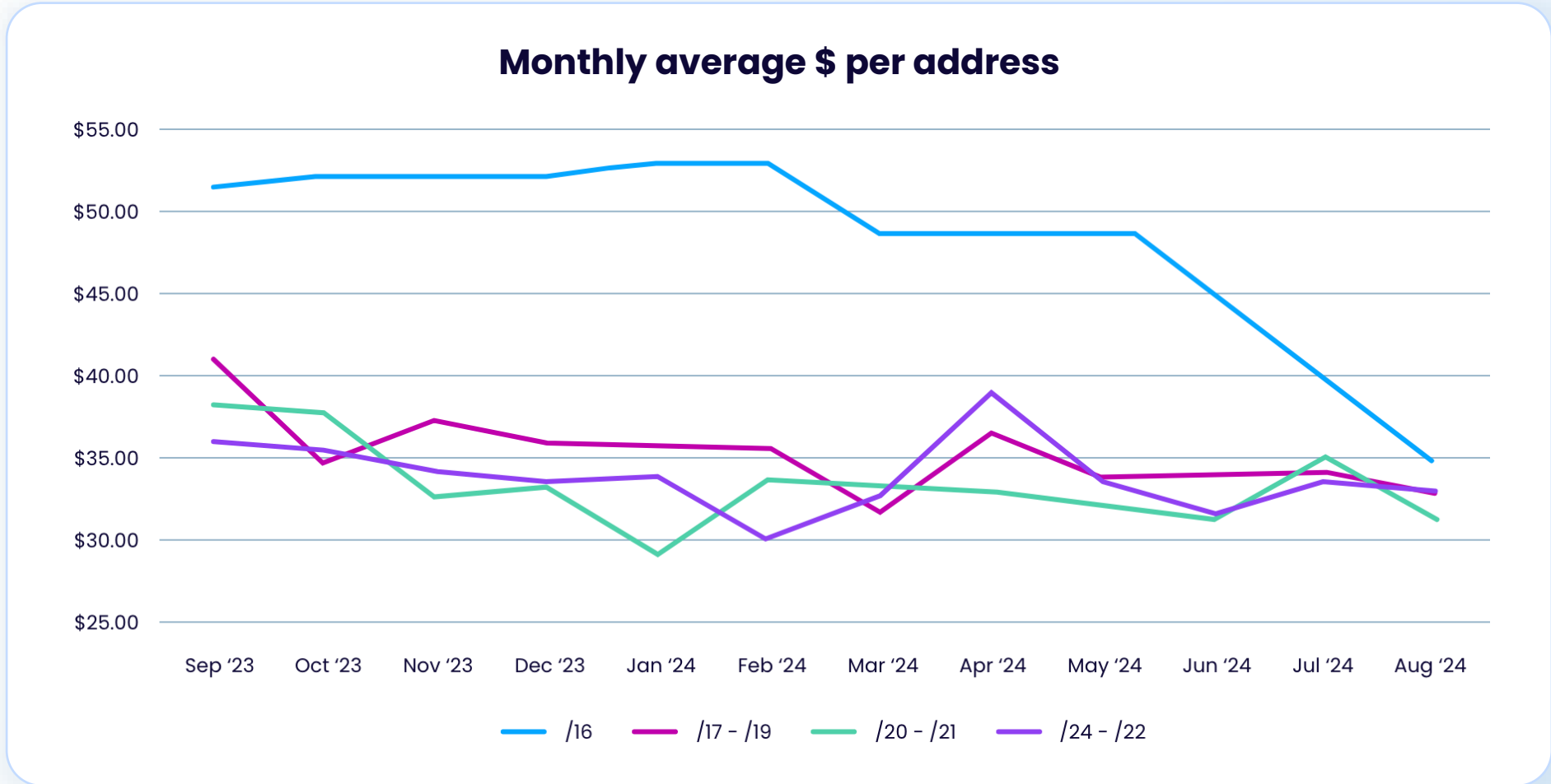
## Inter vs Intra RIR transfers



# RIR IP amount change 2022-2024

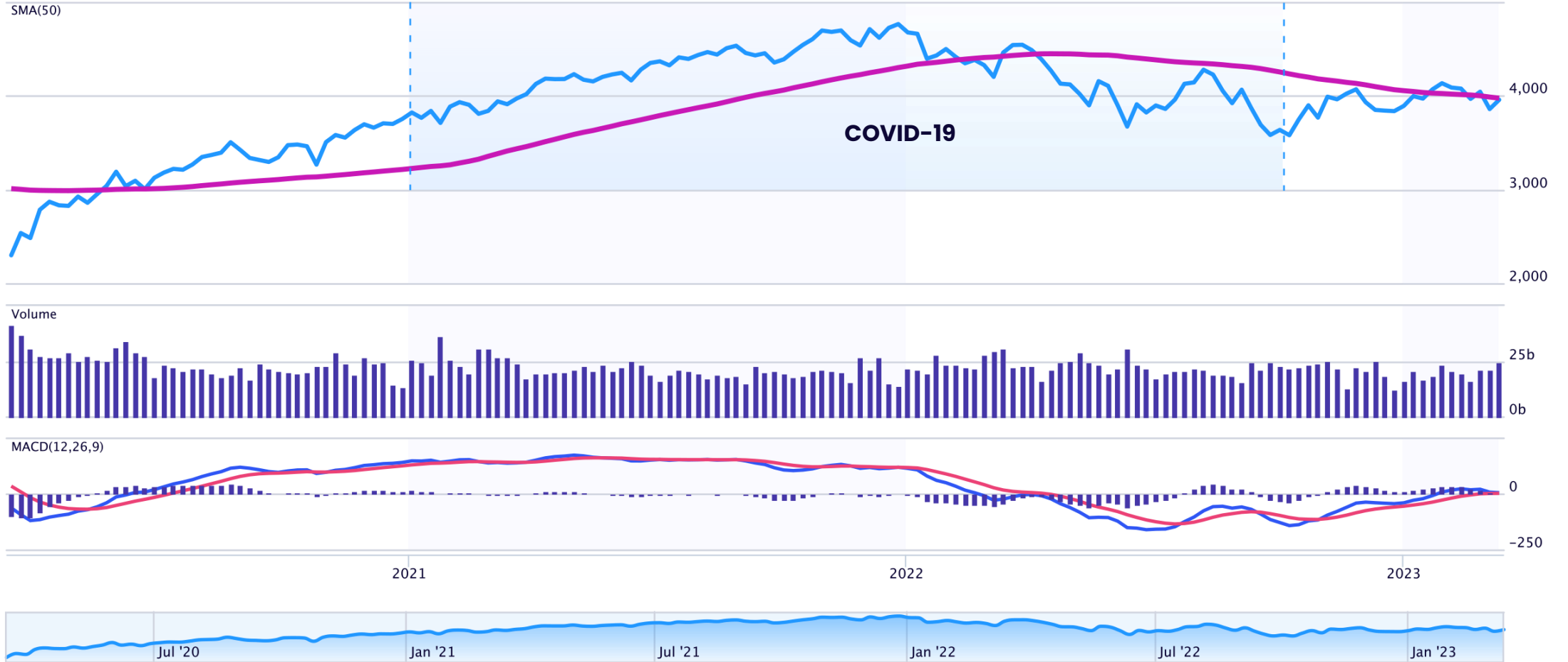


# Transfer price change





# S&P 500 Index



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**What are the alternatives?**

**Waiting list?**

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● ○

# Current Waiting List situation:

○



25 Months



18 Months

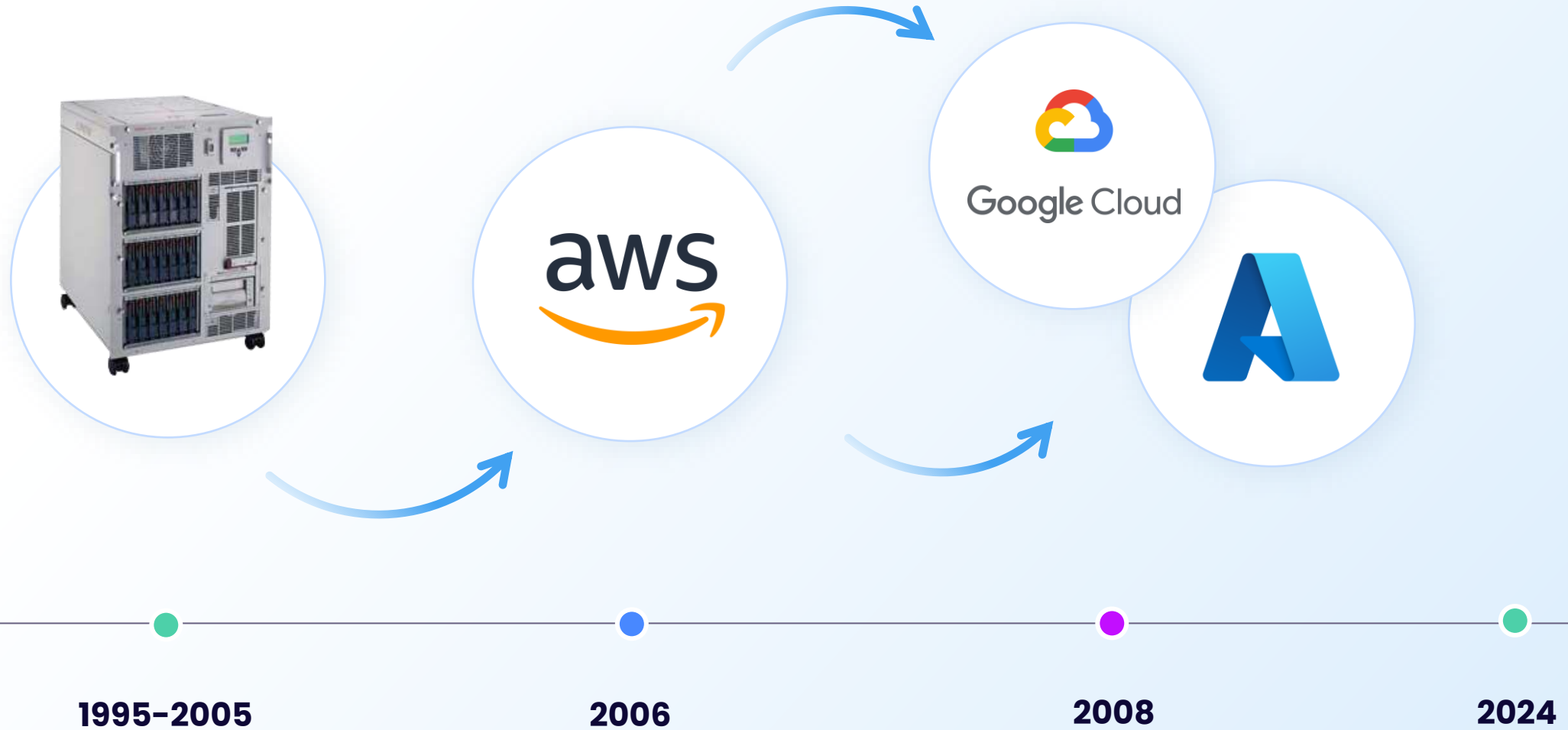


7+ years (!!!)



Abolished Waiting  
list in 2019

# The cloud! Trust and evolution.



# Alternatives to IPv4 Acquisition

## IPv4 Leasing

### Risks

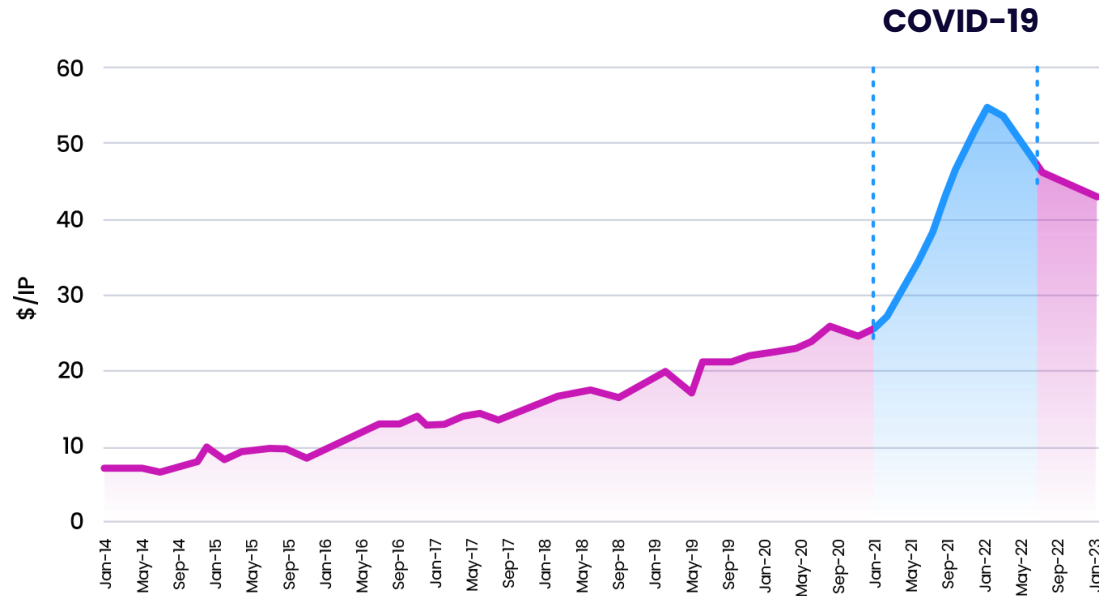
- ✓ Abuse observability
- ✓ rDNS records validation
- ✓ KYC process
- ✓ ASN blocklists
- ✓ Risky industries
- ✓ IP Hijacking

### Benefits

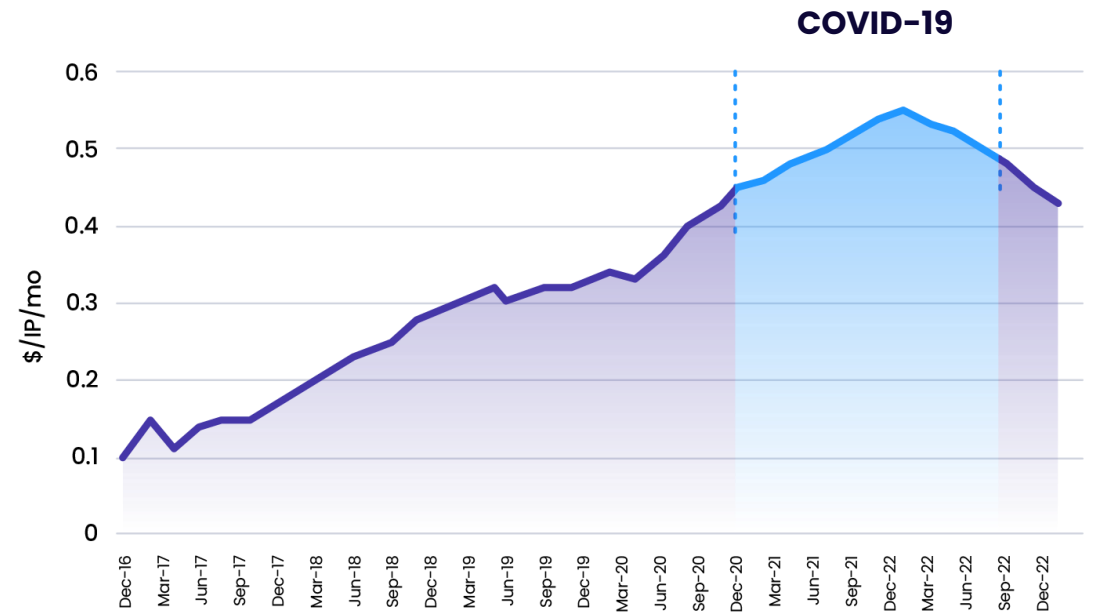
- ✓ Instant provisioning
- ✓ No CAPEX required
- ✓ WHOIS accuracy
- ✓ Addressing legacy space
- ✓ RPKI adoption
- ✓ More IPv4 in the market
- ✓ Extra revenue

# Prices for IPv4 Acquisition vs. Lease

## IPv4 Acquisition



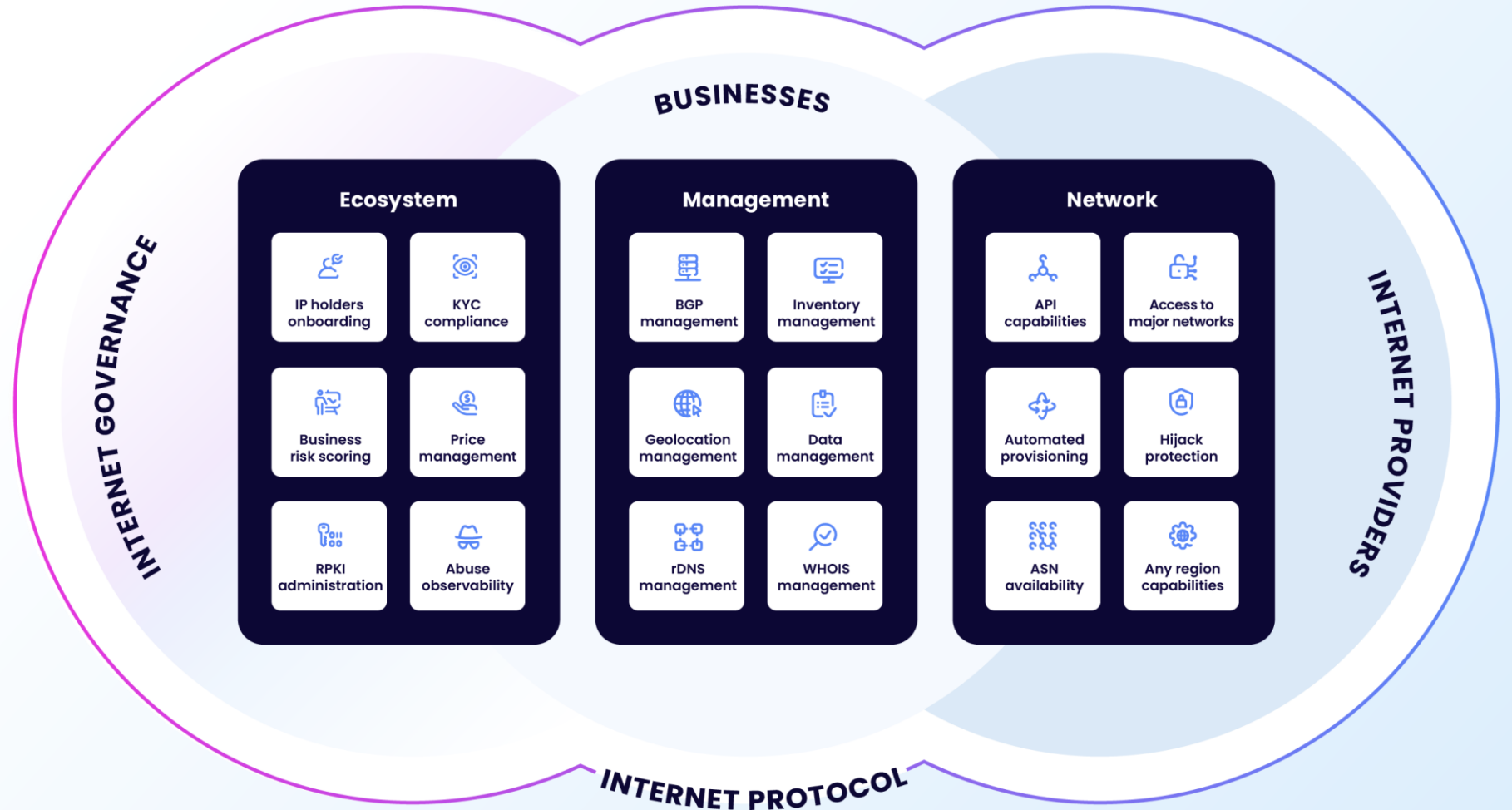
## IPv4 Leasing





# Solution

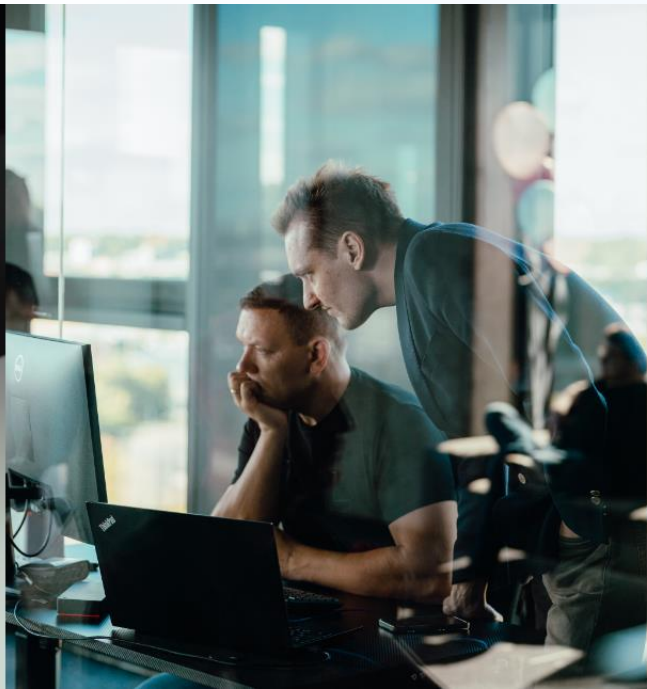
Develop a unified platform connecting governance and Internet providers.







Launched in 2021 as a **US-patented network automation** solution to temporarily redeploy idle enterprise network assets to the fast-growing network operators at a fraction of a cost



# Our know-how leads the industry

4.2M+ IP addresses

80% IP utilization rate

400+ IP holders

1200+ IP lessees

B2B customers only

First in the market

Certified and accredited



We are trusted by the world's leading brands



# IP Monetization vs selling comparison

## Sale

### Pros

- ✓ One-time significant capital gains

### Cons

- ✗ Losing the ownership
- ✗ Not benefiting from yield gains\*
- ✗ Not a recurring revenue

## Monetization

### Pros

- ✓ Retaining the ownership
- ✓ Benefiting from yield gains\*
- ✓ Stable recurring revenue

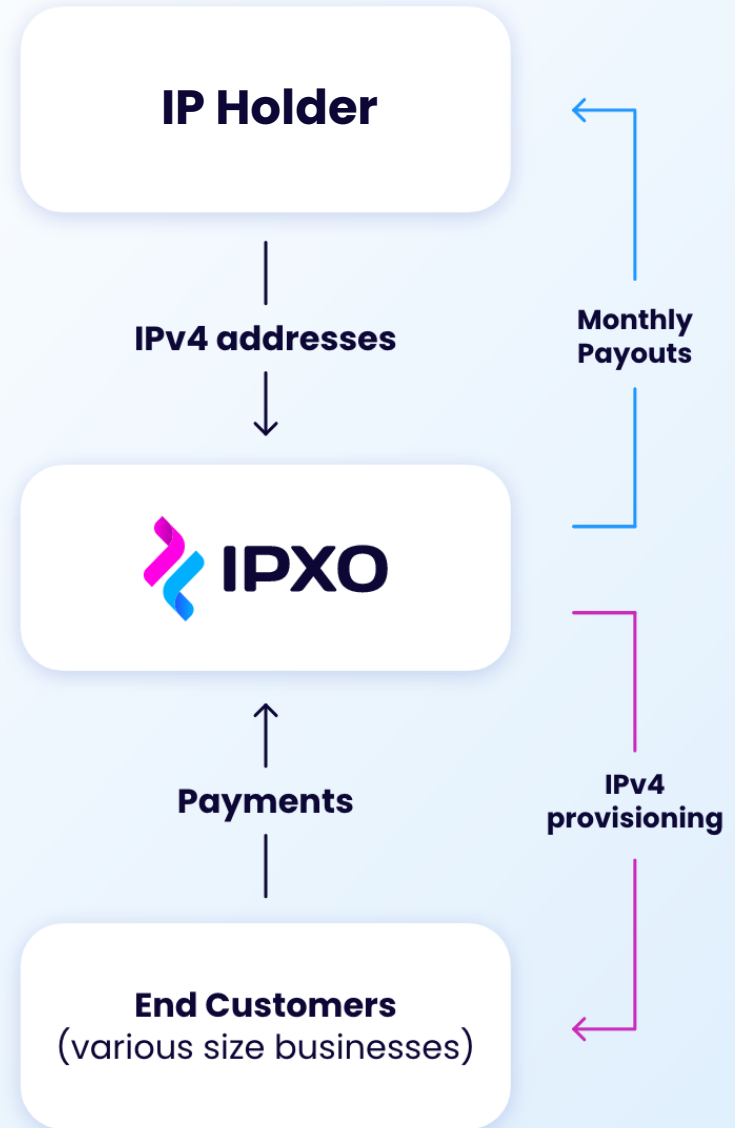
IPv4 monetization provides a stable revenue source, while IP holders benefit from yield gains on the global IPv4 price increase.

Based on global IPv4 pricing statistics, it takes 3 to 4 years of monetization before selling IPv4 assets to receive double the amount compared to selling IPv4 addresses from the start.

\* On average, IPv4 addresses display 25% annual yield gains on IP price growth

# How to Start

The IPXO Platform is the first fully automated IP lease platform ensuring quick, easy and secure IPv4 Monetization.



# Why chose IPXO ?



## **KYC Processes**

Robust customer vetting procedures



## **Full Automation**

Automated IP provisioning for end customers



## **IP Reputation Management**

Full abuse observability and management



## **Geolocation Management**

Automated Geolocation update mechanism for multiple databases



## **IP Hijack Protection**

Preventing unauthorized IP access

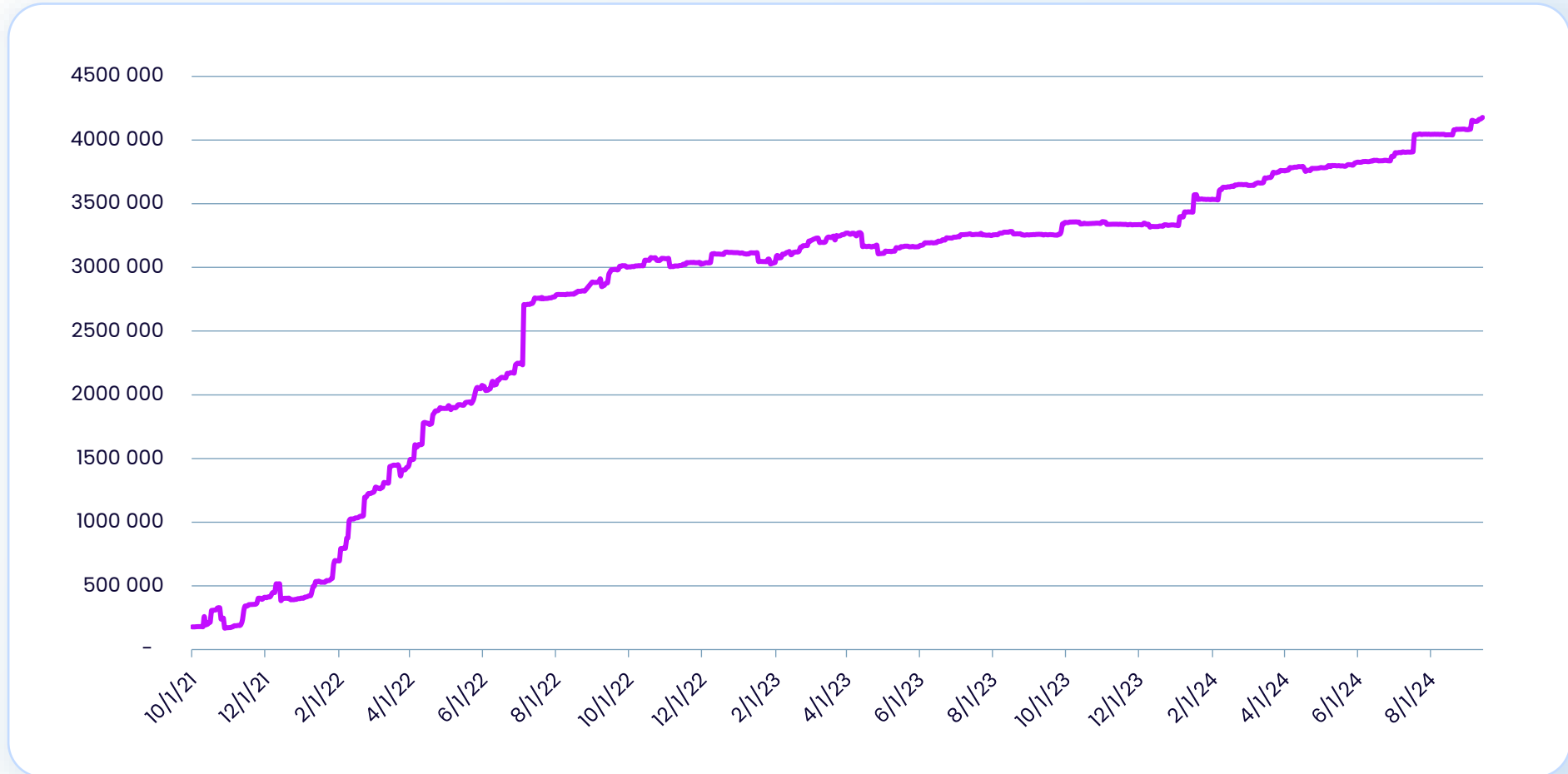


## **Inventory Management**

Maximizing IP holder's revenue

# IPXO Market Stats

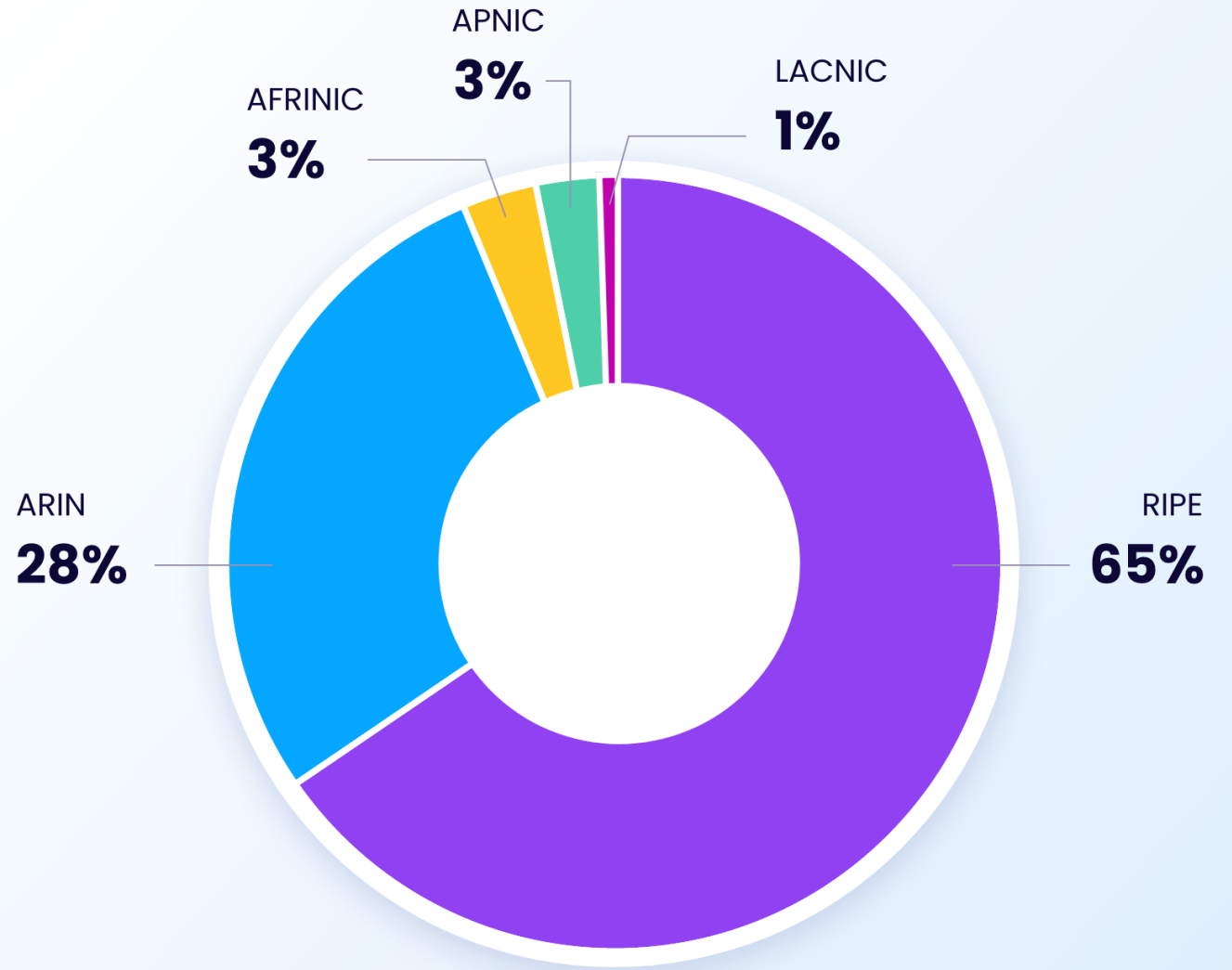
## IP Count change in IPXO Marketplace (IPs listed)



# Utilization Rate in the IPXO Marketplace

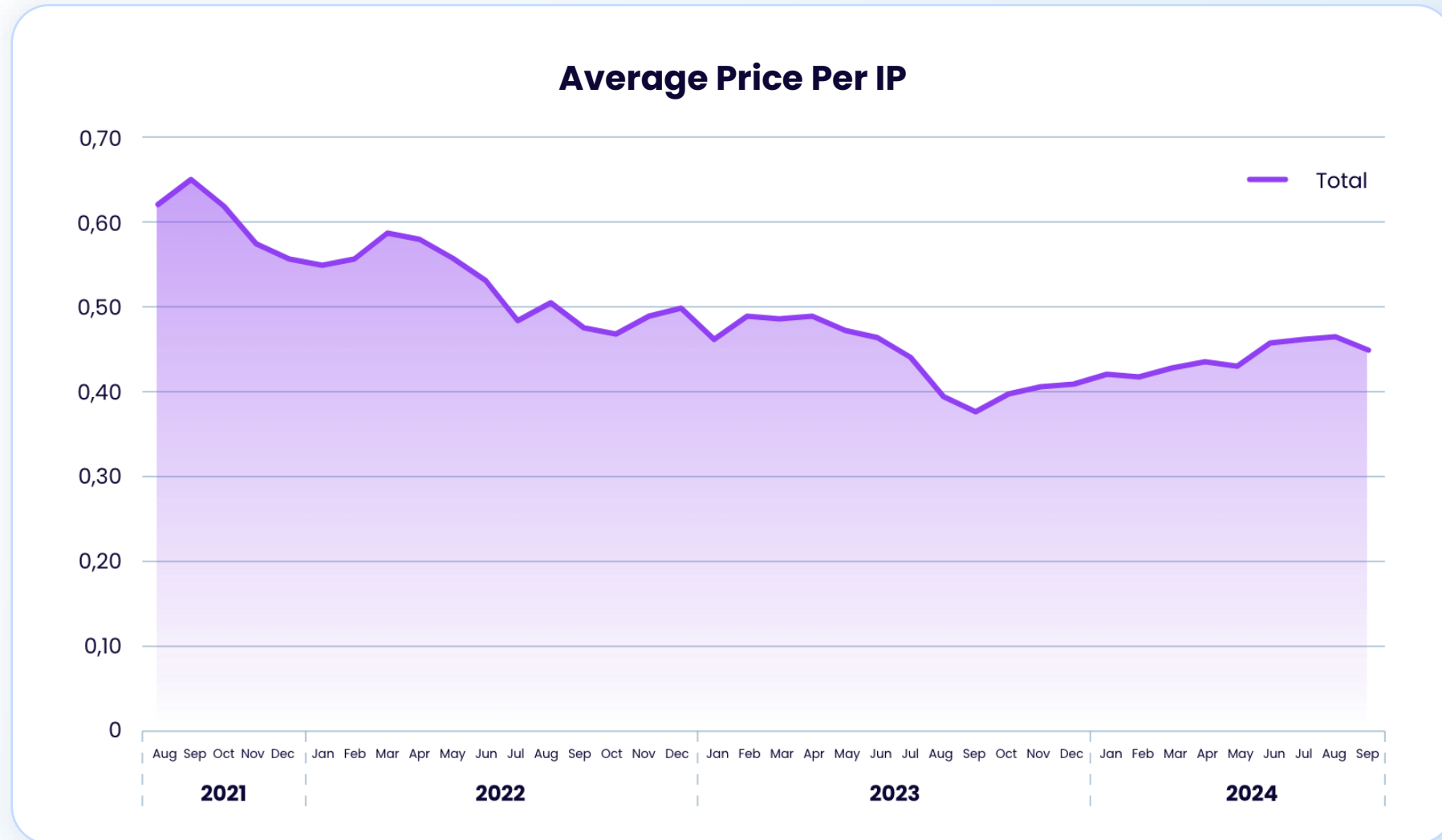


# IPs by RIR in the IPXO Marketplace















# Avg. Price per IP



## IPXO Marketplace

# TOP LESSEES

Place	Industry	2024 Q3*	2024 Q2
1	Proxy	22.84%	24.79%
2	Hosting	16.66%	16.59%
3	Data Mining	12.05%	11.73%
4	Cloud Provider	7.98%	7.74%
5	Telco/ISP	6.35%	6.18%
6-39	Other	34.12%	32.97%

Place	Country	2024 Q3*	2024 Q2
1	 United States	33.69%	32.43%
2	 Lithuania	8.24%	7.77%
3	 United Kingdom	7.07%	6.68%
4	 United Arab Emirates	4.02%	4.08%
5	 Ireland	3.90%	4.02%
6	 Cyprus	3.90%	3.60%
7	 Panama	3.43%	3.99%
8	 Hong Kong	3.32%	4.11%
9	 Netherlands	3.00%	3.40%
10	 China	2.80%	2.66%
11-90	Other	26.63%	27.26%

# Top ASNs

**AS9009**

M247

**AS7018**

AT&T

**AS16509**

AWS

**AS174**

Cogent Communications



# Lessee perspective key points



**Flexibility to make changes**

**ROI when comparing Buy vs Lease**

**Fast access to IPs**



# Ecosystem flow and pricing

## IP Holders Marketplace fee:

- 5% of generated payouts

## Additional paid services:

- IP Reputation observability
- LIR Management
- IP Inventory Management





# Outlook for the future

# Outlook for the future

**Continuous shortage of IPv4 addresses**

**Limited supply**

**Increased demand**

**Slow transition to IPv6**

**Economic factors**

# Q&A







**Paulius Judickas**

VP of Strategic Alliances

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