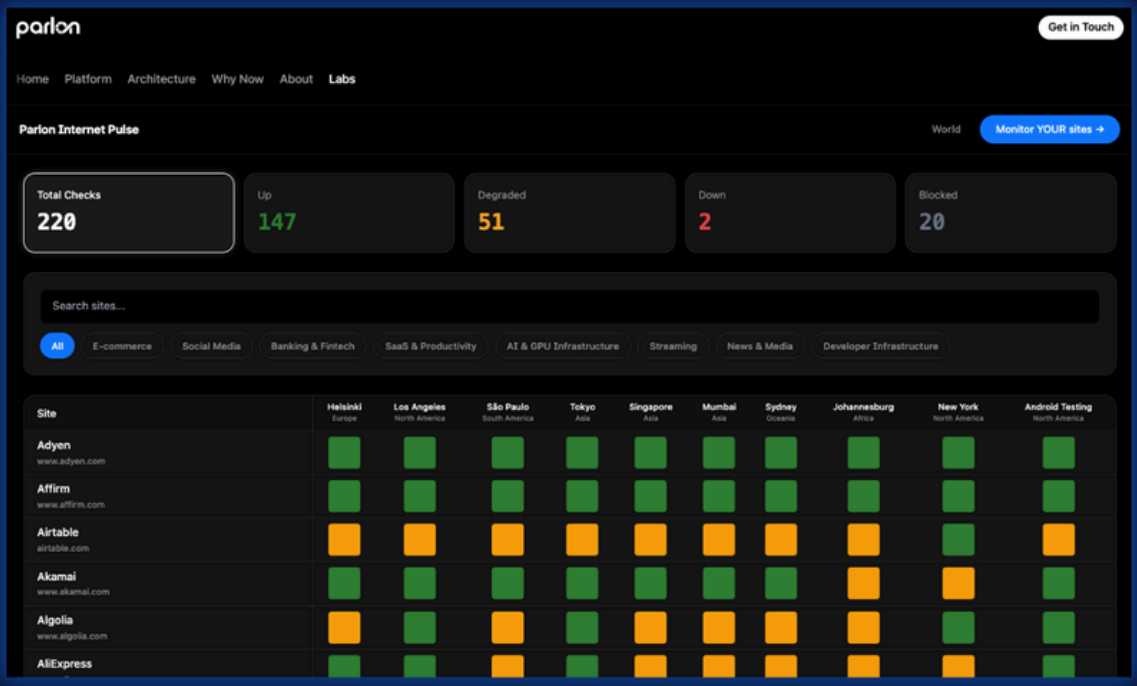
parlon

Parlon Internet Pulse™

PIP

Real-time global performance monitoring for 350+ websites from fifteen distributed probes across six continents



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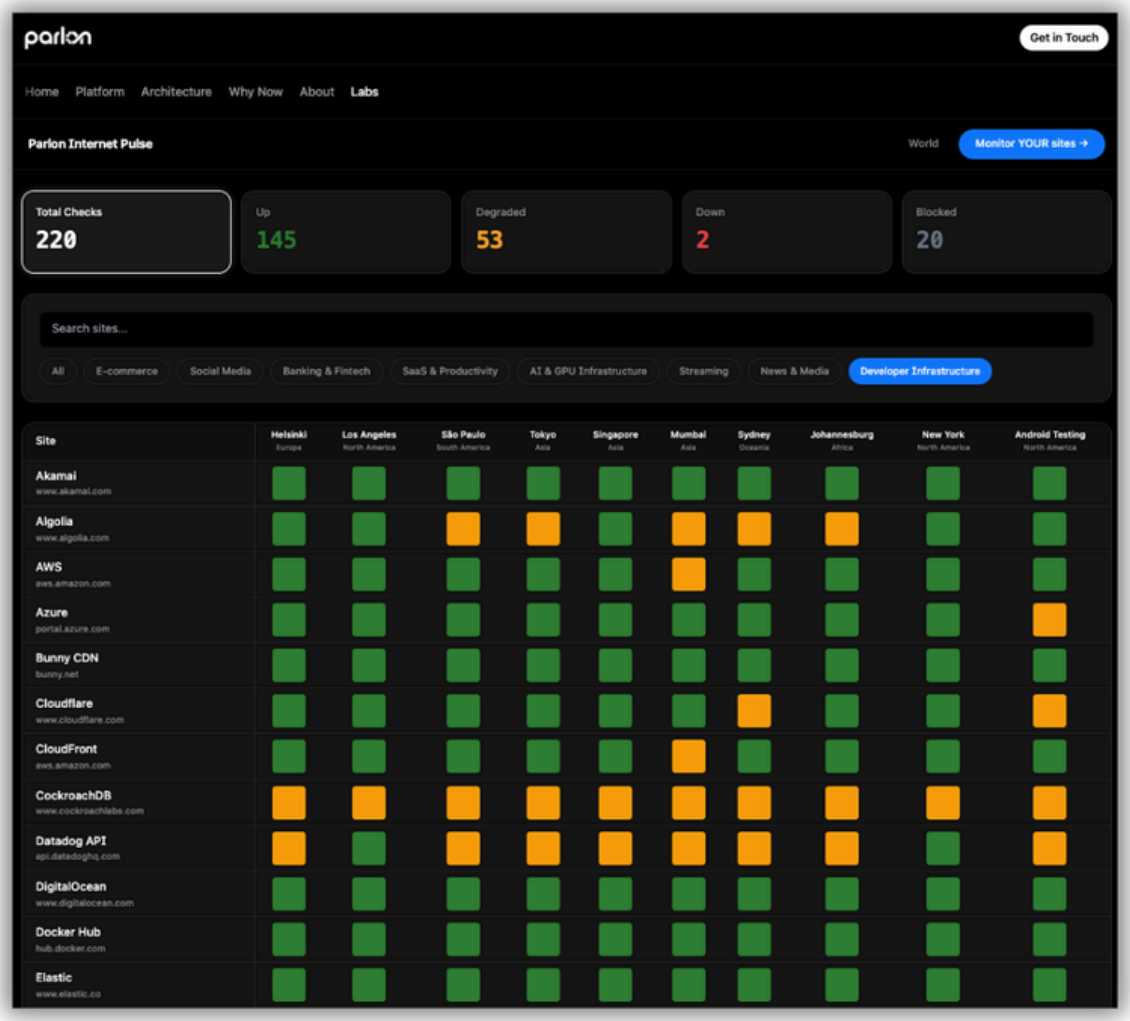
The internet goes down. You should know first.

When a major service degrades, teams scramble to determine if it's their stack or an upstream dependency. PIP continuously monitors 350+ critical websites from 15 global locations every 5 minutes — giving you a real-time, geographic view of internet health before your users start filing tickets.



*PIP performance matrix: 350+ sites × 15 global probes. **Green** = UP, **Orange** = DEGRADED, **Red** = DOWN, **Gray** = BLOCKED*

350+	15	6	5 min	9
Sites Monitored	Global Probes	Continents	Check Interval	Categories

The Problem

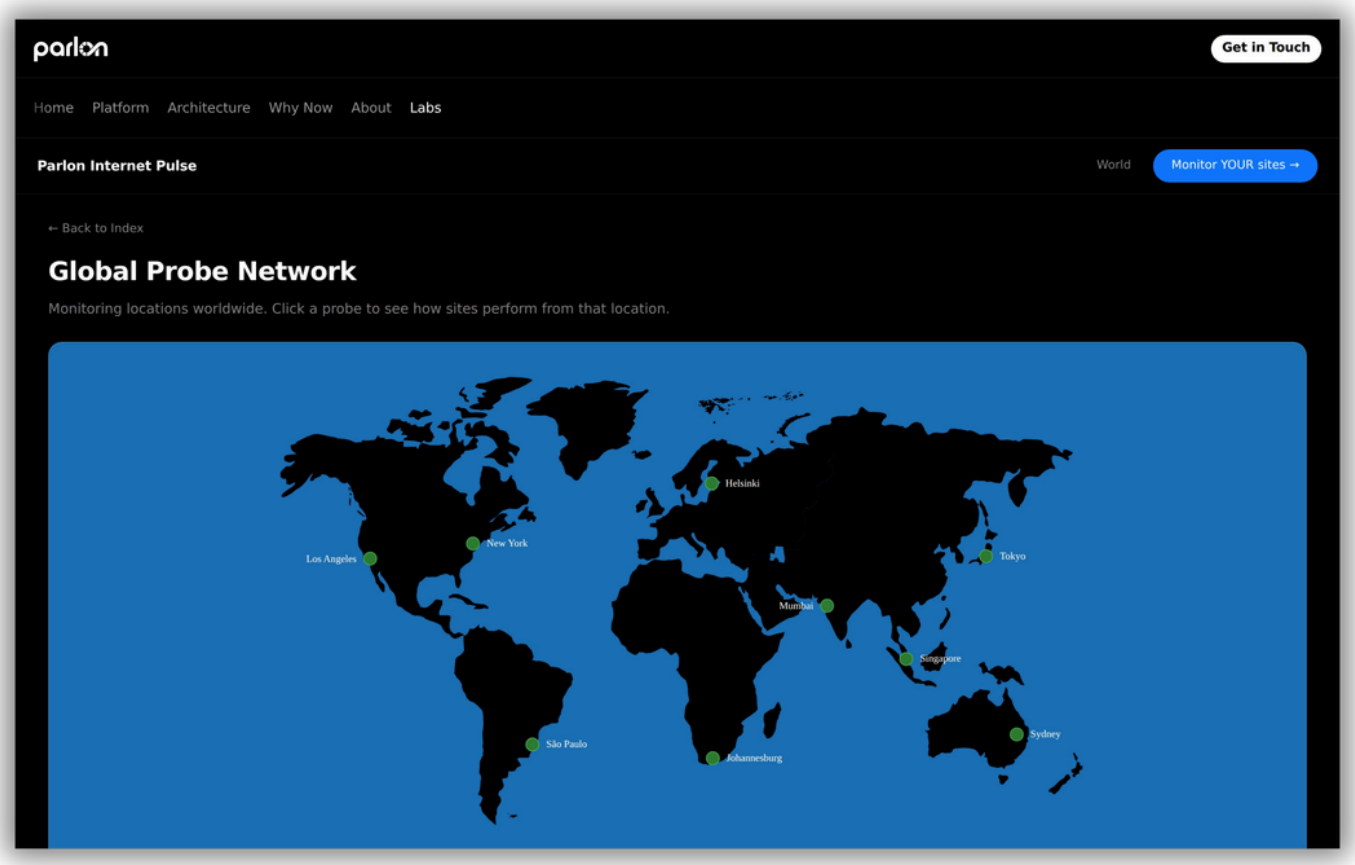
- **Dependency blind spots.** Your stack depends on Stripe, AWS, Cloudflare, GitHub, and dozens of third-party services. When they degrade, your monitoring shows YOUR app is slow — but the root cause is upstream and invisible to your APM.
- **Geographic variance is invisible.** A service can be fully operational in US-East but degraded from Asia-Pacific. Without multi-region probing, you only see the internet from one vantage point.
- **Slow incident detection.** Teams discover outages from Twitter, customer complaints, or status pages that update 20+ minutes after the fact.

The PIP Solution

- **350+ sites, 15 probes, every 5 minutes.** Continuous HTTP checks from Helsinki to Sydney, New York to Mumbai. Each probe runs 20 concurrent goroutines for fast sweep coverage.
- **6-state classification**. Not just up/down. PIP classifies each site as UP, DEGRADED, DOWN, PARTIAL, BLOCKED, or NO_DATA.
- **Automatic incident detection.** Status transitions trigger incident records. P99 spikes above 3000ms automatically flag degradation — no manual threshold configuration.

A global view of internet health

Fifteen lightweight Go probe agents deployed across six continents provide geographic granularity that single-region monitoring can never achieve.



Global Probe Network: 15 locations across North America, South America, Europe, Africa, Asia, and Oceania

Probe Locations

Region	Location	Provider
North America	New York, Los Angeles	Vultr, Hetzner
South America	São Paulo	Contabo
Europe	Helsinki, London, Frankfurt	Hetzner, Vultr
Asia	Tokyo, Singapore, Mumbai	Vultr
Africa	Johannesburg	Vultr
Oceania	Sydney	Vultr

Architecture

- **Go probe agents** — ~7.5 MB binary, 3 env vars. HTTP HEAD with GET fallback, 20-goroutine concurrency, 10s timeout per site.
- **Fastify core API** — Aggregates results, classifies status, detects incidents. BullMQ scheduler triggers 5-minute cycles.
- **PostgreSQL + Redis** — TimescaleDB-ready time-series with 30-day retention. Redis for caching and job scheduling.
- **Next.js dashboard** — 350×15 interactive matrix with real-time polling, category filtering, and drill-downs.

Key advantage: Each probe is stateless and disposable. Deploy a new region in under 5 minutes: spin up a VPS, set 3 env vars, start the binary. The probe self-registers and begins reporting immediately.

Real-world use cases

PIP solves a different problem for every team that touches production infrastructure. Here are the scenarios where it delivers the most value.

Upstream Outage Triage

SRE / INCIDENT RESPONSE

"PagerDuty fires at 2 AM. Checkout latency is through the roof. Is it our code, our infra, or Stripe?"

Alert fires	Open PIP	See Stripe orange	Post in Slack	Stand down
Checkout P99 > 5s	Filter to “Banking & Fintech”	DEGRADED from 4 probes	Share dashboard link	Upstream — not our issue

Result: MTTR drops from 45 min to 3 min. No war room. No wasted engineering cycles.

Multi-Region Deployment Validation

PLATFORM ENGINEERING

"We just deployed to ap-southeast-1. Are our dependencies reachable from Singapore?"

Deploy to new region	Check PIP Singapore column	Spot Cloudflare BLOCKED	Investigate	Adjust routing
Infrastructure goes live	All deps green?	from Mumbai probe	Geo-restriction, not outage	Before users hit it

Result: Caught a geo-blocking issue in pre-production that would have caused 502s for Indian users.

Cascading Failure Detection

DEVOPS / INFRASTRUCTURE

"AWS S3 had a hiccup. How many of our dependencies were actually affected?"

PIP flags S3	Cross-check categories	See 12 sites orange	Preemptive comms	Track recovery
DEGRADED from US-East	Sort by status	npm, Vercel, Netlify…	Notify teams of blast radius	Watch matrix turn green

Result: Identified cascade impact in 5 min. Proactive incident comms before downstream teams even noticed.

Customer Escalation Evidence

MSP / HOSTING PROVIDER

"Your hosting is terrible — our site was down for 2 hours yesterday!"

Customer complaint	Pull PIP history	Cloudflare was DOWN	Share evidence	Retain customer
“Site was down 8-10 PM”	Check hourly status grid	8:15-9:45 PM from 6 probes	Dashboard link + timestamps	It was Cloudflare, not you

Result: Turned a churn risk into a trust-building moment with independent third-party evidence.

Competitive & Dependency Intelligence

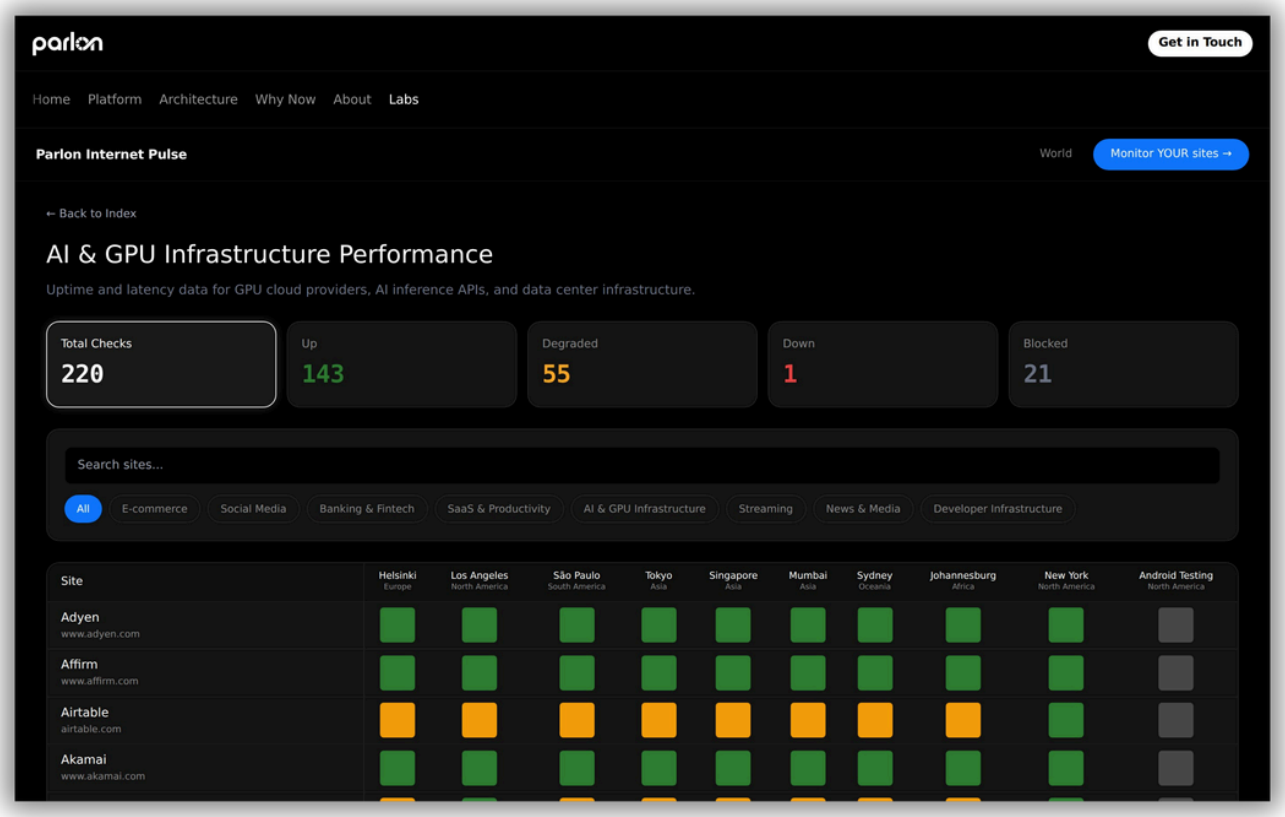
PRODUCT / ENGINEERING LEADERSHIP

"How reliable are the AI providers we're evaluating for our LLM pipeline?"

Filter AI/GPU	Track over weeks	Compare uptime	Spot patterns	Inform decision
category on PIP	OpenAI, Anthropic, Replicate	By region and hour	Provider X degrades daily at 2 PM UTC	Data-backed vendor selection

Result: Vendor evaluation based on measured global uptime, not marketing claims or status page history.

Deep coverage across 9 critical categories



Category view: AI & GPU Infrastructure performance across all probes

Category	Sites	Example Sites
E-commerce	50+	Amazon, Shopify, Stripe, PayPal, Square, Adyen, AliExpress
Social Media	30+	Twitter/X, Facebook, Instagram, LinkedIn, Reddit, TikTok
Banking & Fintech	40+	Chase, Goldman Sachs, Robinhood, Coinbase, Plaid
SaaS & Productivity	50+	Slack, Notion, Figma, Salesforce, HubSpot, Zoom
AI & GPU Infrastructure	30+	OpenAI, Anthropic, NVIDIA, Hugging Face, Replicate
Streaming	20+	Netflix, YouTube, Spotify, Disney+, Twitch, HBO Max
News & Media	30+	CNN, BBC, Reuters, NY Times, Washington Post
Developer Infrastructure	40+	GitHub, GitLab, npm, PyPI, Docker Hub, Vercel, Netlify
Government	20+	IRS, SSA, CDC, VA, Healthcare.gov

What PIP reveals

- **Geographic blocking patterns.** Detects and classifies geo-restrictions separately from outages.
- **Degradation before downtime.** P99 > 3000ms flags DEGRADED before a full outage.
- **Regional vs. global incidents.** PARTIAL status pinpoints affected geography instantly.
- **Hourly status history.** 24-hour drill-down reveals recurring degradation patterns.
- **Cross-category correlation.** Reveals cascading failures across service categories.
- **Competitive intelligence.** Monitor competitor uptime before their status page updates.

Who gets value from PIP

Buyer	Pain Point	What PIP Delivers
Platform Engineering	"Is it us or is it upstream?"	Instant answer: check the matrix. Share the dashboard link and move on.
SRE / Incident Response	Status pages update 20+ min late	PIP detects degradation within 5 min. Early warning, not late confirmation.
DevOps / Infrastructure	Post-deploy connectivity validation	One glance: are all critical deps still green from all regions?
Engineering Leadership	No single dashboard for dependency health	Executive-friendly: 350+ sites, 9 categories. Share during incidents.
MSPs / Hosting	Customers blame you for upstream outages	Evidence dashboard proving upstream degradation during reported windows.

Why PIP vs. alternatives

vs. Status Pages (Atlassian Statuspage, Instatus)

Self-reported and delayed. Providers minimize impact. PIP independently verifies from 15 locations — you see what's actually happening.

vs. Synthetic Monitoring (Datadog Synthetics, Pingdom)

Synthetics check YOUR endpoints. PIP monitors THEIR endpoints — the 350+ services your stack depends on. Complementary, not competing.

vs. Down Detectors (DownDetector, IsItDownRightNow)

Crowd-sourced, noisy, delayed. PIP uses deterministic probes with precise latency, geographic specificity, and 6-state classification.