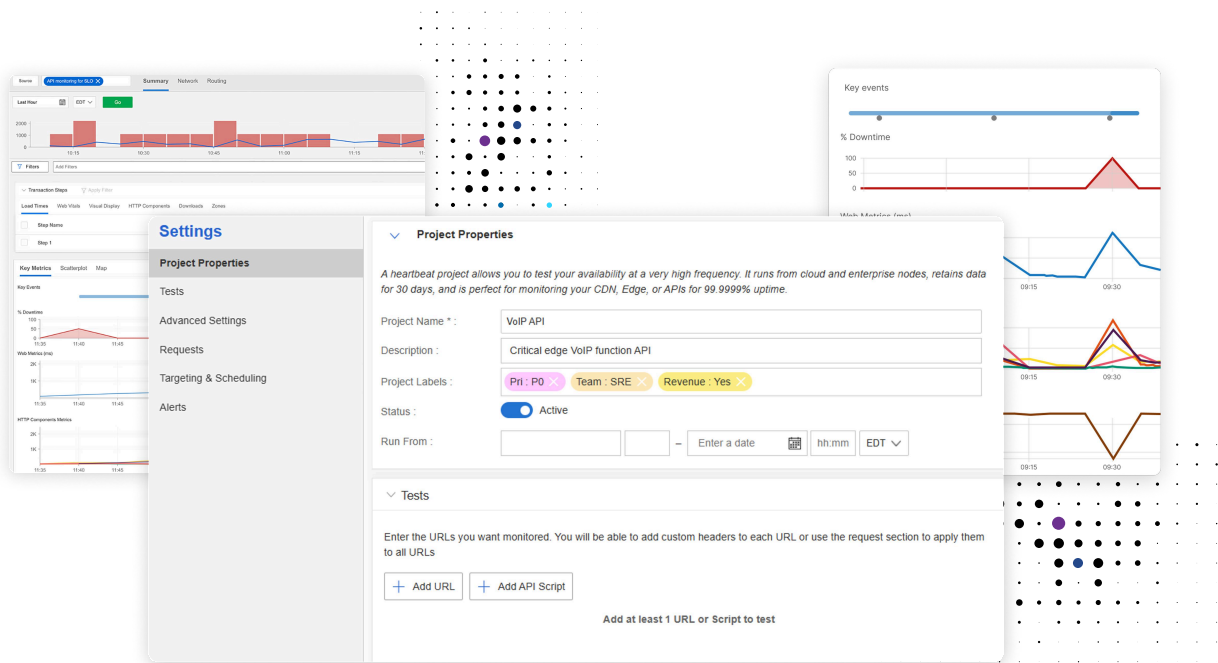


Learn more about Catchpoint Internet Performance Monitoring (IPM) at <https://www.catchpoint.com>

High-Frequency Heartbeat Monitoring

Detect outages and performance degradations in seconds with high-frequency monitoring to protect user trust and meet SLOs.



Even micro-outages or performance degradations can disrupt logins, payments, or customer journeys. Minute-level checks can overlook these fleeting incidents, eroding user trust and draining error and latency budgets. Because some digital experiences are simply more critical than others, IT and DevOps teams need high-frequency monitoring to be the first to know when something goes wrong.

Catchpoint Heartbeat Monitoring runs high frequency checks, as often as 5 seconds, from on-premises Enterprise agents and select cloud agents in AWS, Azure, and GCP locations. It monitors availability and performance. Through CI/CD integrations, checks are easy to provision and scale. Catchpoint instantly correlates outages and degradations with telemetry across the Internet Stack, helping teams resolve faster and deliver true service reliability.



Detect outages and degradations in seconds



Continuously validate health with lightweight monitoring



Accelerate root cause analysis through IPM platform



Detect outages and degradations in seconds

Heartbeat Monitoring executes high frequency checks, as often as 5 seconds, to uncover outages and degradations. This ensures incidents are caught as soon as they occur, reducing business risk and improving resilience.

- Detect outages and degradations in seconds to reduce business risk and protect users everywhere
- Catch short-lived, micro-incidents that minute-level monitors routinely overlook
- Improve mean time to detect (MTTD) and accelerate response before customers are disrupted
- Protect SLOs and error budgets with instant alerts that highlight issues the moment they occur



Accelerate root cause analysis through IPM platform

Unlike basic uptime tools, Catchpoint's Heartbeat Monitoring is part of IPM, correlating failures with DNS, BGP, CDN, and other Internet Stack telemetry. Teams gain visibility into true root causes, accelerating resolution and improving overall reliability.

- Identify the true source of downtime and performance drops through correlated Internet Stack insight
- Reduce mean time to resolution (MTTR) with immediate, actionable root-cause visibility
- Expose hidden dependencies and eliminate blind spots with full Internet Stack observability
- Improve overall resilience and customer experience by resolving incidents with clarity and speed



Continuously validate health with lightweight monitoring

Probes continuously check DNS, TCP, TLS, and HTTP responses while minimizing resource overhead. Automated provisioning with robust APIs ensures checks scale easily, while CI/CD workflows enforce SLO compliance at every stage of development.

- Validate DNS, TCP, TLS, and HTTP to confirm whether critical endpoints are always available and responsive
- Automate creation and management of tests directly through CI/CD integrations
- Enforce uptime and latency SLOs during every release to ensure only healthy builds reach production
- Safeguard APIs, login systems, and payment workflows with lightweight but continuous checks



Be the first to know when your most critical endpoints experience downtime or performance drops

In today's exacting digital age, performance is paramount. The top online retailers, Global2000, CDNs, cloud service providers, and xSPs all rely on Catchpoint to ensure high performance and digital resilience by catching issues across the Internet Stack before they impact their customers, workforce or digital experiences. Catchpoint's Internet Performance Monitoring (IPM) suite offers Internet Synthetics, RUM, BGP, Tracing, performance optimization, high fidelity data and flexible visualizations with advanced analytics derived from the world's largest, most detailed, active agent network. Today's digital world requires resilience and exceptional performance, which is why *The Internet Relies on Catchpoint*.

