Internet Synthetics

Proactively catch issues in the Internet Stack before they impact your business

Remember when monitoring was all about the availability of your network, your data center, or your infrastructure and apps? Well, your network is now the Internet, your data center is now the cloud, and your infrastructure and apps are now SaaS. That’s why Internet Synthetics was born — to account for these new norms.

Internet Synthetics is the premiere set of proactive monitoring capabilities. It goes from just monitoring web or APIs — to proactive visibility across all Internet Stack components or protocols. With the largest set of out-of-the-box test types, infinite bring-your-own monitor options, and the world’s largest global observability network, you’ll gain unparalleled visibility into all components of the Internet Stack to catch issues before they impact your business.

Monitor from where it matters
Resolve incidents before they impact your business
Get intelligent analytics on raw, granular long-term data
Gain deep and broad visibility into the Internet Stack

To learn more about Catchpoint IPM, please visit www.catchpoint.com
Why Internet Synthetics?

Alongside providing traditional Synthetics, Catchpoint is the exclusive provider of premiere Internet Synthetics capabilities. Unlike traditional Synthetics, Internet Synthetics allows you to:

**Monitor from where it matters**

Customers and employees don’t access systems from the cloud or data center in which you host. Instead, they’re connecting from their laptops or mobile devices via ISPs with varying levels of fragility. Benefit from a global observability network that lets you fulfill more monitoring use cases and match the performance profiles of your distributed workforce or customers.

Key features:
- Over 2,000 vantage points
- Over 300 providers
- Over 80 countries
- Over 400 ASNs
- Over 1,200 BGP peers
- Extend coverage behind your firewall
- Extend coverage with endpoint agents

**Resolve incidents before they impact your business**

Proactive monitoring allows you to ensure any changes or releases have no negative impact on user experience – even when users are not on your site. Catchpoint’s Internet Synthetics enables proactive monitoring and alerting, allowing you to triage, find root cause, and fault isolate at accelerated rates.

Key features:
- Scheduled, ad hoc, or real-time integrations
- Over 40 out-of-the-box test types
- Alert on key uptime, performance, or reachability criteria
- Infinite bring-your-own-monitor options
- Over 100 standard metrics with custom actionability
- AI-powered Smartboards with drill-down

**Get intelligent analytics on raw, granular long-term data**

There is no shortage in the volume and variety of monitoring data. Practitioners and businesses need an efficient signal-to-noise ratio to find the needle in the haystack. Intelligent analytics allow you to distill mountains of data into meaningful insights quickly, enabling you to focus your optimization efforts on elements such as a particular region, stack component, or SEO rankings.

Key features:
- Infinite custom KPIs
- Customizable experience scores
- Anomaly detection and correlation (across multiple stack components)
- Exclusive advanced calculations
- Performance optimization highlights
- No-code experiments
- Years of raw data retention (across all metrics)

**Gain deep and broad visibility into the Internet Stack**

Continual growth in the use of the Internet Stack has resulted in a loss of visibility or control since it’s an environment in which agent-based APM or traditional monitoring have no reach. With Internet Synthetics, you regain this visibility or control, allowing you to manage complex, distributed architectures.

Key features:
- Monitor CDN and validate traffic integrity
- Full DNS-resolution-as-a-monitor
- API uptime, transactions, integrity, or functionality
- Visual network path analysis
- SaaS templates
- Front-end performance and Core Web Vitals

Catchpoint is the Internet Resilience Company™. The top online retailers, Global2000, CDNs, cloud service providers, and xSPs in the world rely on Catchpoint to increase their resilience by catching any issues in the Internet Stack before they impact their business. Catchpoint’s Internet Performance Monitoring (IPM) suite offers synthetics, RUM, performance optimization, high fidelity data and flexible visualizations with advanced analytics. It leverages thousands of global vantage points (including inside wireless networks, BGP, backbone, last mile, endpoint, enterprise, ISPs and more) to provide unparalleled observability into anything that impacts your customers, workforce, networks, website performance, applications and APIs.

Learn more at [www.catchpoint.com](http://www.catchpoint.com)