

# Real-Time API Monitoring and Testing

Deliver fast and reliable digital experiences for your end users with API checks from Splunk Synthetic Monitoring

From microservices to the spread of single-page web apps and the continued dominance of native mobile apps, APIs are the engines that businesses rely on to power their applications and outpace their competition. Whether they are internally created or third-party APIs, it is imperative that modern companies ensure the APIs they depend on are available, functional and fast.

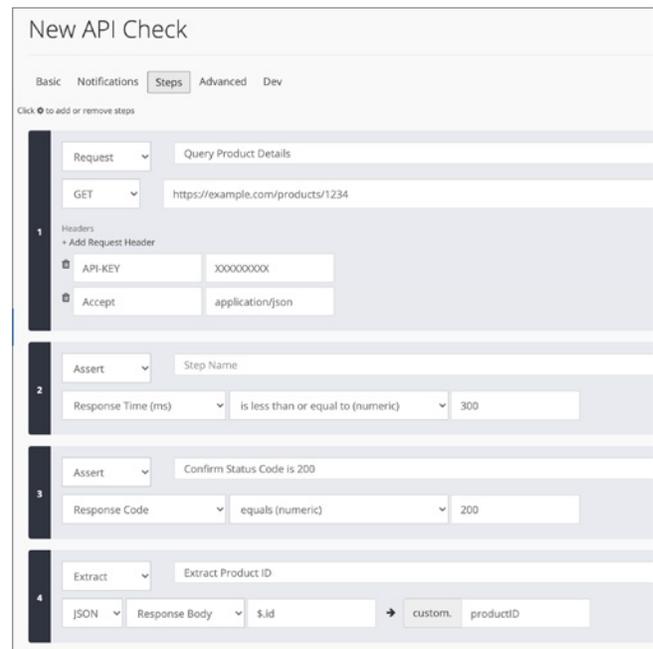
By continuously monitoring all first- and third-party APIs to verify the availability, response time and data quality for these transactions, Splunk Synthetic Monitoring provides businesses with peace of mind.

## Gain insight into UX, even across fragmented systems

Your users likely don't know the difference between managed and third-party APIs. Why should your monitoring solution only give you insight into one? With Splunk Synthetic Monitoring you can continuously monitor steps into all APIs to quickly identify failures before they impact your user.

## Test critical user flows across multiple managed or third-party APIs

Some API monitoring solutions just test endpoints. Splunk Synthetic Monitoring, on the other hand, lets you guarantee the performance and functionality of an entire transaction or business flow by requesting data from one API, modifying its format and passing that new data on to another API.



Take charge of the APIs that drive your digital experience with Splunk Synthetic Monitoring's easy-to-use API checks.

## From basic to enterprise-grade, Splunk has your back

Our customers use API checks to test everything from simple web services to complex streaming video services. No matter your API or your industry, Splunk has you covered.



### Global, Reusable Variables

Define API tokens once, reuse everywhere



### JSON or XML

Splunk Synthetic Monitoring supports sending, parsing and extracting all payload formats



### JavaScript-Powered

Modify data or perform complex validation using your own JavaScript code for maximum flexibility



### Validate UX and Functionality

Make assertions about both the speed and correctness of API responses

### Easily pinpoint failures even when your APIs are complex

Set alerting thresholds that reflect your performance goals. Easily identify the root cause of failure in service-oriented environments so you can spend your time fixing hang-ups rather than hunting for them.

### Validate your API payloads

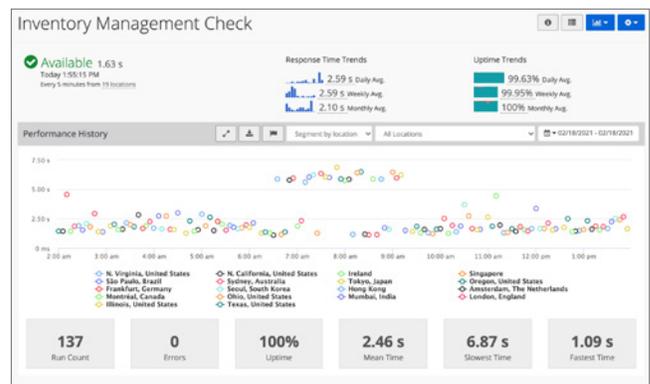
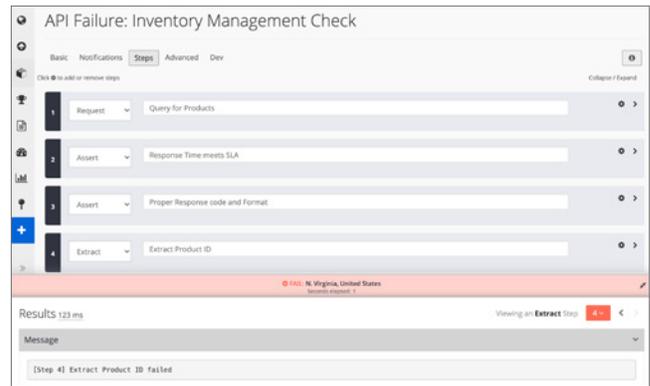
Ensuring that your API is responsive is only part of the challenge. You also want to guarantee that they are returning the correct data. With Splunk Synthetic Monitoring you can verify that your APIs are both fast and functioning properly.

### Alerting that works the way you do

Splunk Synthetic Monitoring helps catalyze collaboration and shared understanding. With webhooks to popular tools such as Slack, HipChat, PagerDuty and OpsGenie, Splunk Synthetic Monitoring integrates alerts into existing workflows.

**“Splunk’s Synthetic Monitoring Performance KPIs help us create a culture of performance because they provide insight into incremental changes. When we roll out performance improvements we use Performance KPIs and graphs to show engineers how their small changes impact end-user experience.”**

**Scott Jungling**  
Front-end Engineering Manager at Build.com



Find out how Splunk Synthetic Monitoring can help you take charge of your APIs. [Schedule a demo today.](#)



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