



# Monitor Critical APIs Using HTTP Monitoring

A new generation of cloud and SaaS apps are fundamentally changing how enterprises complete workflows today. This is calling for network transformations that ensure the infrastructure supporting these tools is up to the task, and not still primed for the “old way” of doing business, where operations were more centralized and many applications live on-premises.

A consequence of digital transformation is that the apps that drive enterprises are getting more complicated. Many modern apps are accessed through the cloud and combine multiple data sources. Monitoring the complete end-user experience requires additional insight to test plugins or backend APIs to fully understand performance. For efficiency, IT needs ways to monitor both the front-end user experience and the behind-the-scenes APIs to reduce MTTR for performance issues.

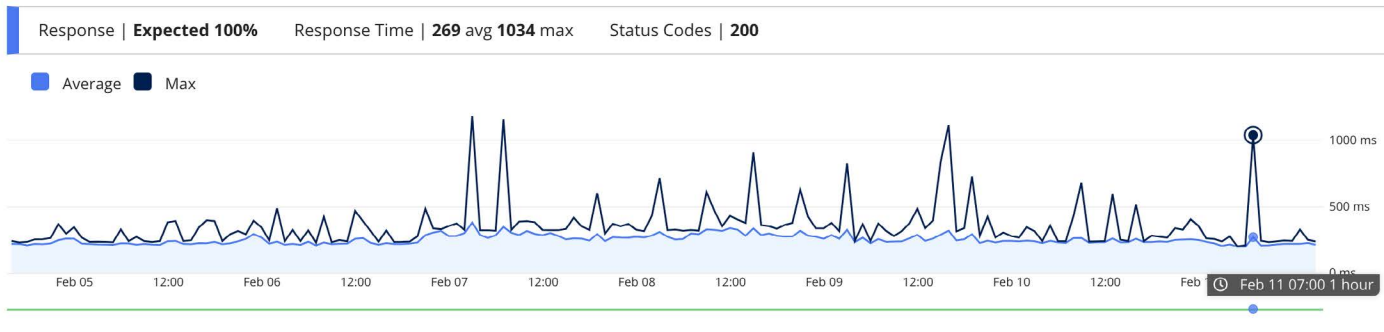
Because these APIs or secondary data sources are not accessed through a browser, IT may experience a gap in visibility that can prevent efficient triage and problem solving without comprehensive monitoring in place. Using AppNeta’s HTTP Web path monitoring functionality allows for new monitoring use cases and enables visibility where other solutions can’t.

- **HTTP connectivity** - Monitor basic server responses, without the need for browser rendering. This provides the ability to do lightweight web server response testing at high scale.
- **APIs**
  - **Mobile apps** - Monitor underlying APIs that mobile apps use to communicate with back-end servers. Mobile apps like modern point-of-sale terminals have direct ties to revenue and the risk to that revenue with even slow performance is real.
  - **Business-critical integrations** - Ensure availability and responsiveness of APIs provided to end customers or consumed by employees for their roles. Active monitoring gives real-time performance feedback to keep business traffic flowing.



## HTTP Response Time

Average  Max 1



### Time Range Summary

Endpoint	Average	Max	Test Completion	Latest
https://slack.com/api/api.test	251 ms	1178 ms	100 % 2014/2014	212 ms Feb 11 15:00:00

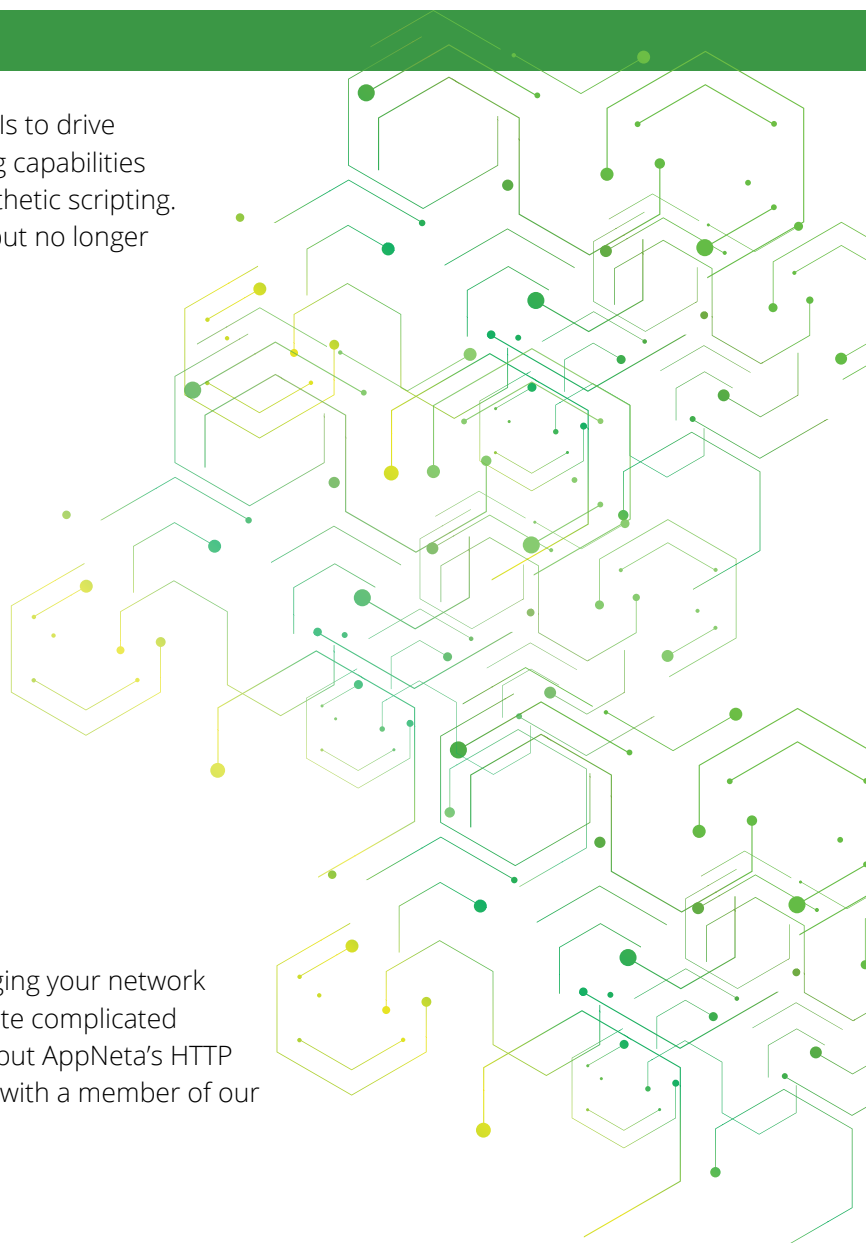
## HTTP Web Paths

For enterprises who rely on 3rd party SaaS apps and APIs to drive productivity, AppNeta provides robust, active monitoring capabilities that range from simple HTTP requests to multi-step synthetic scripting. This is critical visibility for the apps that drive business, but no longer live on internal networks.

Typically a web synthetic approach to monitoring is suitable for fully-featured web apps, but for APIs, a different approach is needed. AppNeta's lightweight approach to API monitoring enables customers to monitor the availability and response of HTTP servers using direct HTTP requests (e.g. GET, POST). This expands AppNeta coverage to underlying APIs for mobile apps, business-critical integrations, and HTTP server availability checks.

This functionality is a component of AppNeta's active synthetics in Experience that provides monitoring capabilities for a wide variety of business-critical apps and functions, regardless of whether they have a web app front-end. HTTP Web Path monitoring is available in Experience alongside Selenium scripting (Browser Web Paths).

Gaining comprehensive visibility into all the apps leveraging your network capacity has never been more critical as IT teams navigate complicated network transformations. To better understand how to put AppNeta's HTTP Web Path monitoring to work for you, schedule a demo with a member of our team today.



## Configuration Options

- **HTTP Authentication** - Specify the HTTP Authentication type to match that supported by the API you are monitoring.
- **Variables** - Define variables that you can reference in your script by surrounding the variable name with \${}.
- **Request Type** -The HTTP request method and endpoint to include as part of the request.
- **Headers** - The headers to include with the request. This can include “Form” or “Text” depending on the need.
- **Expected Response** - Set the status code and response body expected in the HTTP response. Select “Any” if no validation is to be performed for either. Alert conditions can be set for when the response does not match the expectations specified in this section.
- **Response Limit** - Set the amount of the response that will be stored with the test results. The entire response will be analyzed when received, but only up to the response limit (maximum 1024 kilobytes) will be stored.

The screenshot shows the configuration interface for an HTTP request in AppNeta. The interface is titled "Untitled" and includes a description field. The "Type" is set to "HTTP". Under "HTTP Authentication", the "None" option is selected. The "Request" section shows the Method as "GET" and the Endpoint as "https://itunes.apple.com /". There is a checkbox for "Specify HTTP Version" which is unchecked. Below the request configuration, the "Expected Response" section has "Expected Status" set to "Status Code" with a value of "200", and "Expected Body" set to "Any". The "Response Limit" is set to "64" kB. The "Preview" section shows the Monitoring Point as "Los Angeles, US - ACME-HQ (Auto)", the Target as "https://itunes.apple.com", and the Timeout as "90" seconds. A "Preview" button is visible. Below the preview, the request details are shown: "GET https://itunes.apple.com/search?term=road+apples". The response details are: "Response Time: 193 ms", "Status Code: 200 OK", and "Response: ✓ Expected - ✓ Status". There is a "See Full Results" button. At the bottom, the "Workflow Alert Profiles" section shows the "Overall Workflow" set to "HTTP Web Path Default".

### ABOUT APPNETA

AppNeta is the only network performance monitoring solution that delivers deep, actionable, end-to-end network performance data from the end-user perspective. With AppNeta's SaaS-based solution, IT and Network Ops teams at large, distributed enterprises can quickly pinpoint issues that affect network and business-critical cloud application performance, regardless of where they occur. AppNeta is trusted by some of the biggest Fortune 1000 companies, including 3 out of the 5 largest corporations in the world, as well as 4 out of the 5 largest cloud providers. For more information, visit [www.appneta.com](http://www.appneta.com)

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