



Monitoring and Stress Testing tool

HEALTH CHECK

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Cyclopt Health Check Monitoring and Stress Testing tool is designed to **monitor the performance, responsiveness, and functionality** of APIs, ensuring they are operating as expected and meeting service level agreements (SLAs).

API Endpoint Monitoring

Monitor the availability and responsiveness of API endpoints by performing periodic checks to the API endpoints in order to verify their accessibility and measure response times.

Performance Metrics Tracking

Capture and analyze various performance metrics related to APIs, such as response time, latency, throughput, error rates, and status codes. Get the best insights that identify performance bottlenecks, troubleshoot issues, and optimize API performance.

Error Monitoring and Alerting

Monitor API responses for errors or unexpected behaviors. Detect error codes, error messages, or data inconsistencies, and generate alerts and notifications when such issues are identified.

Request Validation

Validate API requests against predefined rules and expected data formats. Check parameters, headers, payload structure, and authentication mechanisms to ensure that requests adhere to the defined specifications.

Load Testing and Scalability

Harness the advanced load testing capabilities that enable simulating high volumes of API requests to assess how the API handles different loads and identify any performance degradation or scalability issues.

Integration and Analytics

Integrate with logging systems, analytics platforms, or API management tools to provide comprehensive insights into API usage, trends, and performance. Facilitate troubleshooting, capacity planning, and optimizing API design.

Historical Data and Reporting

Instant access to historical monitoring data and advanced reporting capabilities. This enables tracking trends, identifying patterns, and assessing long-term performance metrics.



HEALTH CHECK SCREENS

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The screenshot displays the Cyclopt Healthcheck dashboard. At the top, the header includes the Cyclopt logo, navigation links for EXTENSIONS, DIGEST, TASKS, PROJECTS, and TEAMS, and a user profile icon. Below the header, the breadcrumb trail reads 'Home / Extensions / Healthcheck'. The main content area features three summary cards: '1 ACTIVE APIS', '1928 CHECKS (SINCE YESTERDAY)', and '100% MEAN SCORE (SINCE YESTERDAY)'. A pink 'ADD NEW API' button is located above the rightmost card. A modal window titled 'Test' is open, showing detailed metrics for a specific API test: 'Last Response: 200', 'Checks: 1928', 'Last Call: June 29, 2023 11:08 AM', 'Success Rate: 100%', 'Mean Duration: 77.60', and 'Mean Std: 30.36'. The modal also includes 'EDIT' and 'DETAILS' buttons. Two teal callout boxes on the left side of the image point to the 'Overall Statistics of APIs' and 'Keep track of active API checks' text.

Overall Statistics of APIs

Keep track of active API checks

1
ACTIVE APIS

1928
CHECKS (SINCE YESTERDAY)

100%
MEAN SCORE (SINCE YESTERDAY)

ADD NEW API

Test

Last Response: 200

Checks: 1928

Last Call: June 29, 2023 11:08 AM

Success Rate: 100%

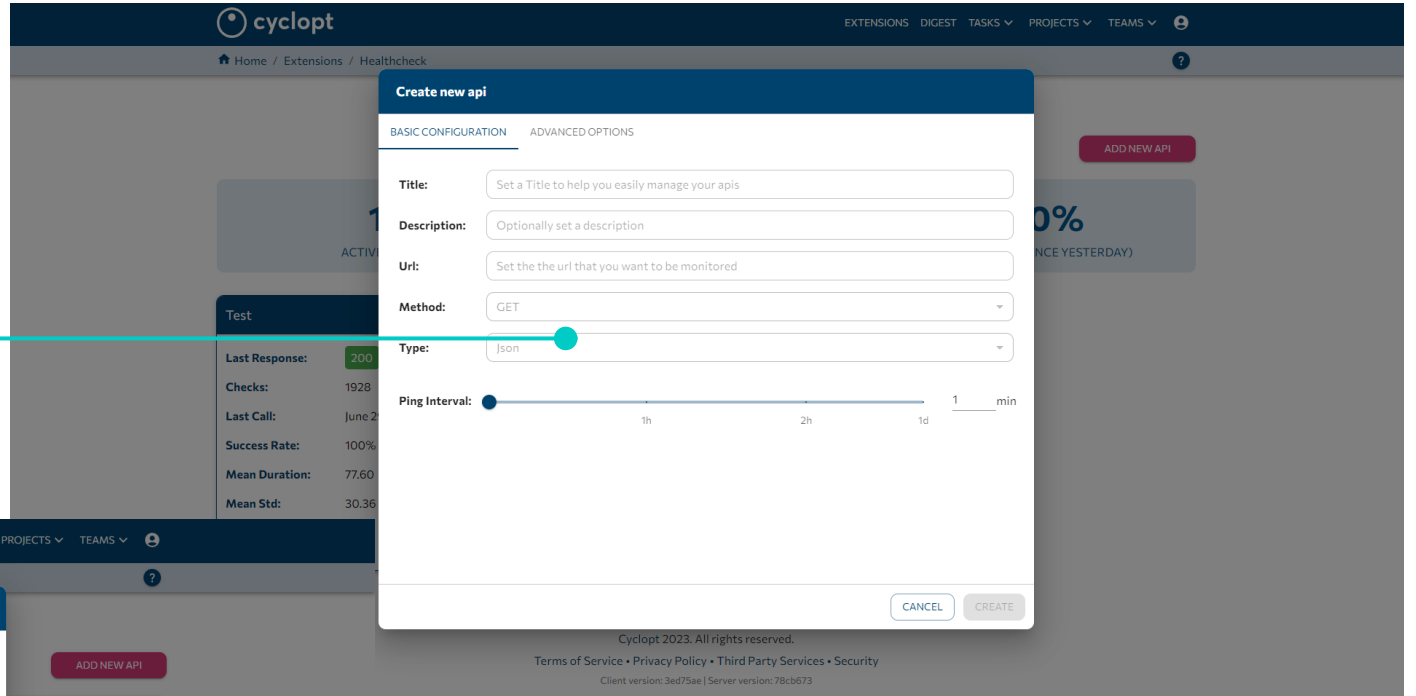
Mean Duration: 77.60

Mean Std: 30.36

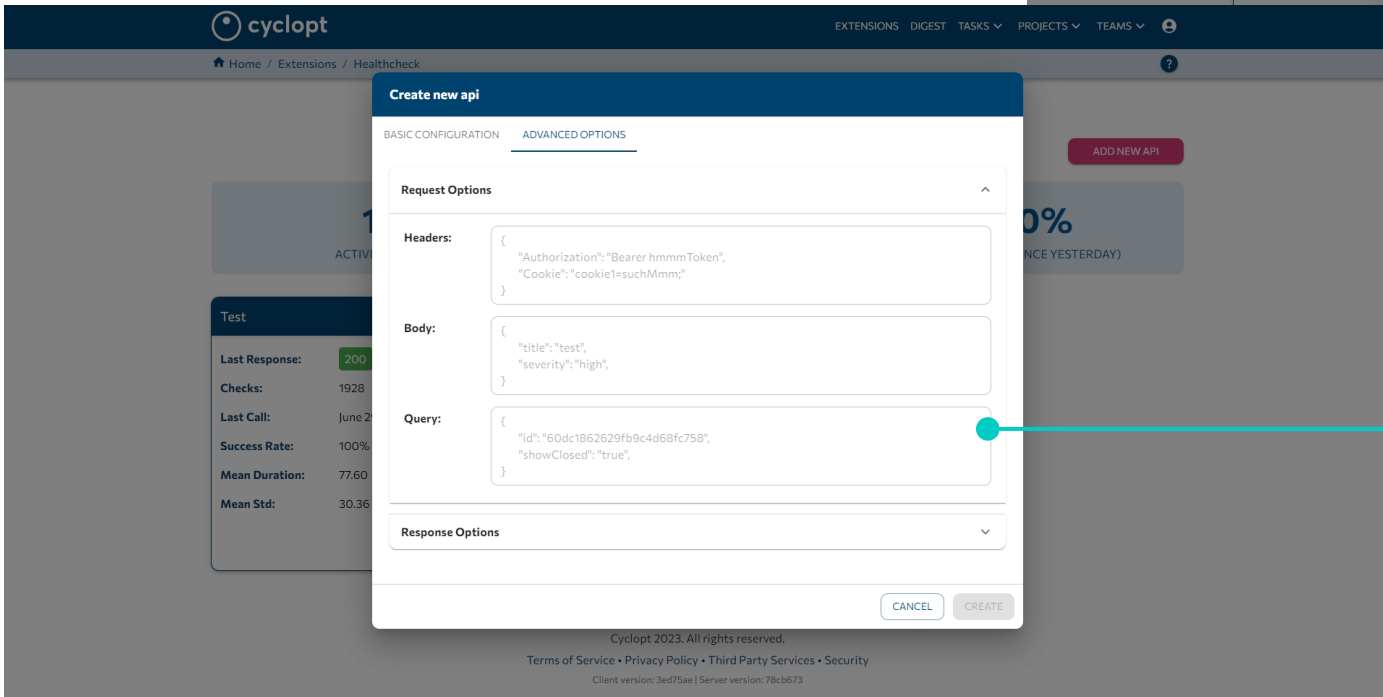
EDIT DETAILS

HEALTH CHECK SCREENS

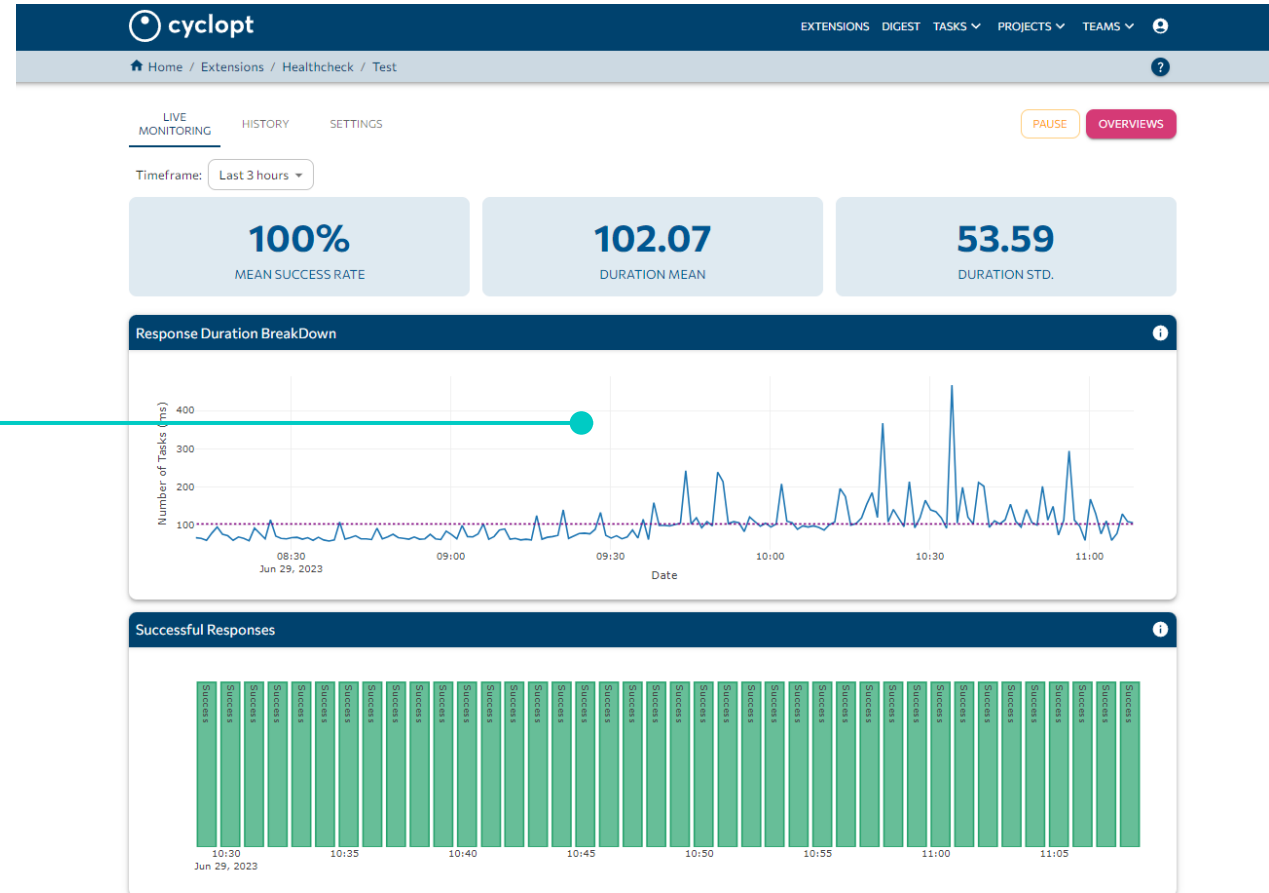
Add characteristics of new API check



Advanced options of configuration

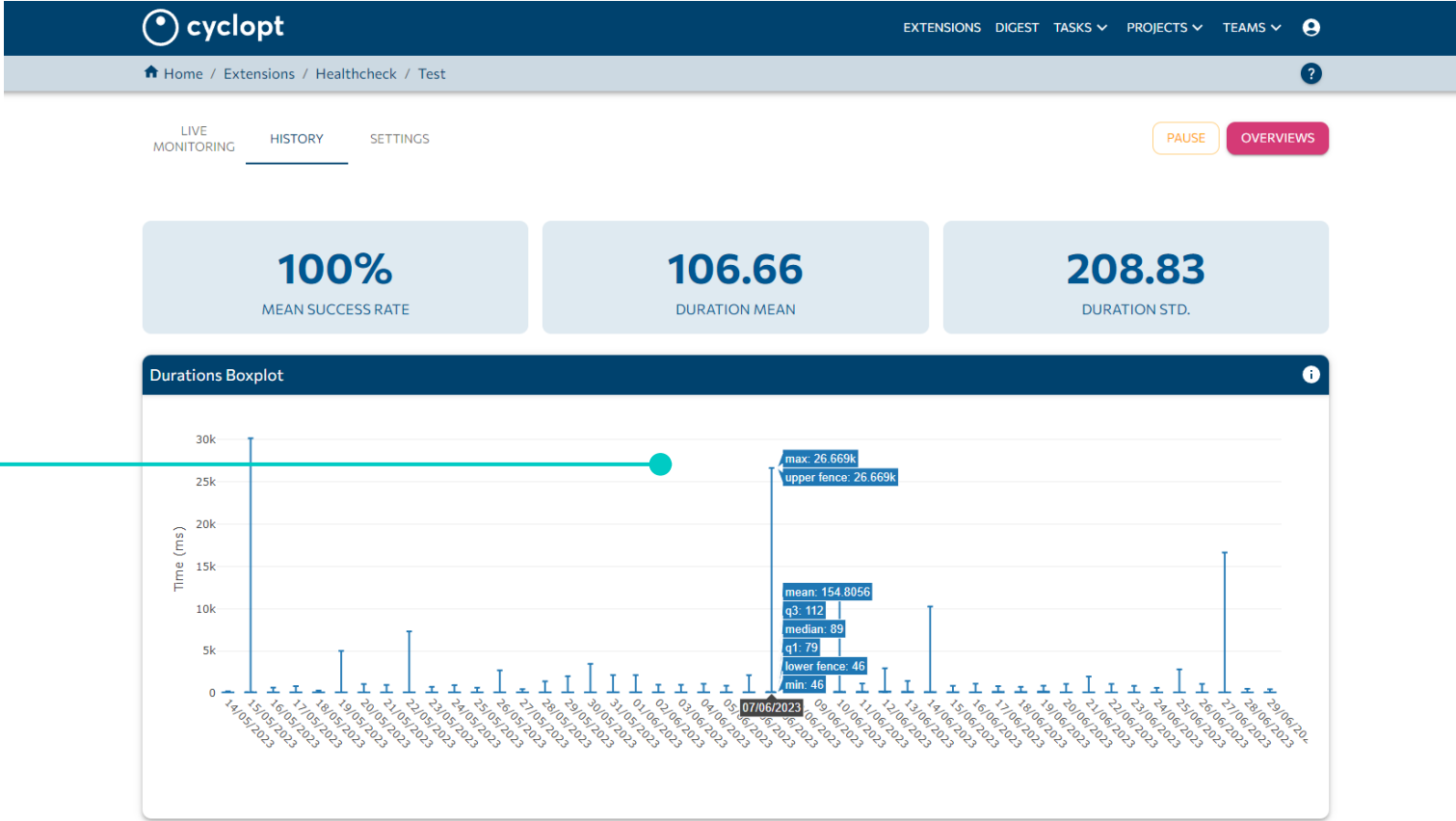


HEALTH CHECK SCREENS



Useful info about last day's responses

HEALTH CHECK SCREENS



Duration info and statistics about overall responses of API check

HEALTH CHECK SCREENS

Edit configuration of API check

The screenshot displays the Cyclopt web interface for editing an API health check configuration. The interface includes a dark blue header with the Cyclopt logo and navigation links (EXTENSIONS, DIGEST, TASKS, PROJECTS, TEAMS). A breadcrumb trail shows the path: Home / Extensions / Healthcheck / Test. The main content area has three tabs: LIVE MONITORING, HISTORY, and SETTINGS (which is selected). To the right of the tabs are buttons for PAUSE and OVERVIEWS. The configuration fields are as follows:

- Title:** Test
- Description:** Optionally set a description
- Url:** https://www.cyclopt.com/
- Method:** GET
- Type:** Text
- Ping Interval:** A slider set to 1 min, with markers for 1h, 2h, and 1d.
- Request Options:** A collapsed section.
- Response Options:** An expanded section containing:
 - Body:** A text area with the JSON:

```
{  "success": "true",}
```
 - Status Code:** 200 OK

At the bottom right, there are buttons for CANCEL and UPDATE.



Find out more about us in our website

<https://www.cyclopt.com/>

Drop us an email at info@cyclopt.com

And feel free to follow us [@cyclopt](#) to get our latest news:

