Step Performance Report API

API reference documentation · Version 1.0 · Site24x7

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Overview

Provides detailed, location-specific performance data for individual steps within a configured monitor. It helps retrieve step time, page load time, DNS time, first byte time, and response time metrics, enabling the identification of bottlenecks in business-critical transactions.

The API is built on REST principles, uses OAuth 2.0 for authentication, and returns JSON responses.

Prerequisites

- Valid Zoho OAuth access token
- Real-browser monitor (RBM) that has already been created.
- Location ID (required)
- Base API domain: https://www.site24x7.com or https://www.site24x7.in
- Authorization header for all APIs: Authorization: Zoho-oauthtoken <access_token>

Supported monitor types

- Web Transaction (Browser)
- Synthetic Mobile Application
- REST API Transaction

Overall flow

1. Use the RBM Monitor List API to obtain the Monitor ID.
2. Use the Monitor Steps API to obtain the Step ID.
3. Use the Locations API to obtain the Location ID.
4. Use the Performance API to generate the Step Performance Report.

For generating the Step Performance Report through API you need to follow the below steps:

Step 1: Get the browser Monitor ID

```
API Endpoint: GET /api/getRBMMonitorList
Example: GET https://www.site24x7.in/api/getRBMMonitorList
```

From the response, use `data.monitorList[].id` to obtain the Monitor ID.

Save this value as `monitor_id` for use in subsequent steps.

Step 2: Get the Step ID for the monitor

```
1          API Endpoint: GET /api/monitors/steps/{monitor_id}
2          Example: GET
https://www.site24x7.in/api/monitors/steps/<monitor_id>
```

From the response, use `data.steps[].id` to obtain the Step ID.

Save this value as `step_id` for use in the next step.

Step 3: Get the Location ID

```
1          API Endpoint: GET /api/locations
2          Example: GET https://www.site24x7.in/api/locations
```

From the response, use `data.locations[].location_id` to obtain the Location ID.

Save this value as `location_id` for use in the next step.

Step 4: Generate the Step Performance Report

```
1          API Endpoint: GET /api/reports/performance/{monitor_id}
2          Example Request:
3          GET
https://www.site24x7.in/api/reports/performance/<monitor_id>?period=3
&step_id=<step_id>&granularity=1&locations=<location_id>&report_attri
bute=LOAD_TIME
```

Required query parameters:

- period – Time range (e.g., 3 = last 3 days)
- step_id – Step ID obtained from Step 2
- granularity – 1 (raw/minute-level data)
- locations – Location ID obtained from Step 3
- report_attribute – LOAD_TIME (step load time)

Output

The API returns the following step-level performance metrics:

- Step load time
- Performance trend data
- Location-specific metrics
- Time-based performance breakdown

Important notes

- These instructions apply only to Real browser-based (RBM) monitors.
- The Step ID is required for transaction-level performance data.
- The Location ID is required for obtaining location-specific metrics.
- The period and granularity parameters can be adjusted as needed.