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Integrate Postman with Datadog

Datadog is a monitoring service for cloud-scale applications. It combines data from servers, databases, tools, and services to present a unified view of an entire stack. This integration allows you to configure your Postman Monitors to send metrics to Datadog where you can visualize and compare them with other metrics.

Setting up a Datadog integration requires you to get an API key from Datadog and configure your Postman monitors. After you set up the integration, you can view real-time alerts based on the results of your monitors.

You can also view Datadog application performance management (APM) metrics in the Postman API Builder. Viewing APM metrics is a separate integration from sending monitor results to Datadog. Learn more about [viewing Datadog APM metrics](#).

Contents

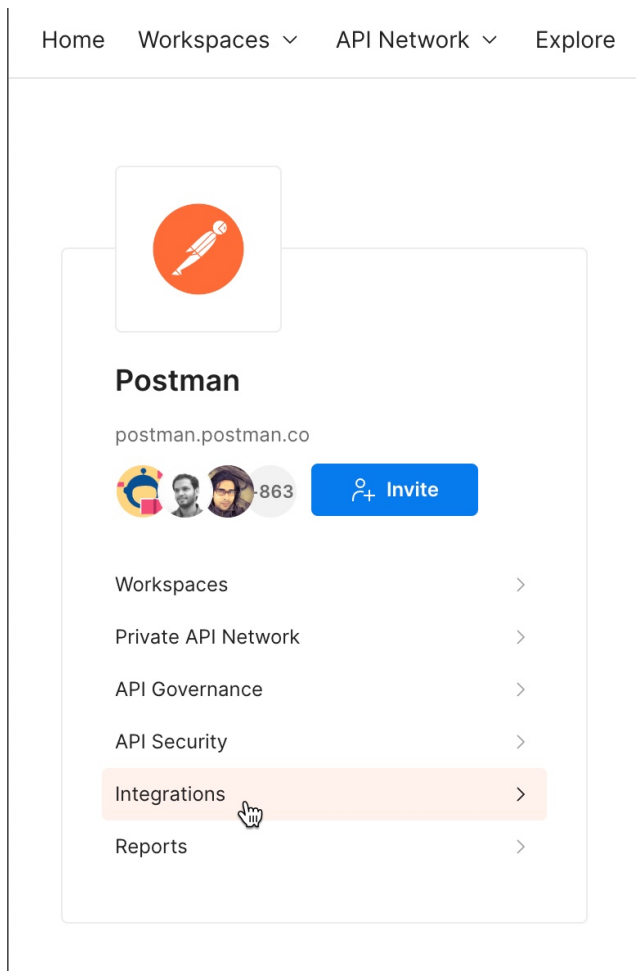
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Retrieving your Datadog API key

- Sign in to [Datadog <https://app.datadoghq.com/>](https://app.datadoghq.com/). Open your Organization Settings page and select [API Keys <https://app.datadoghq.com/organization-settings/api-keys>](https://app.datadoghq.com/organization-settings/api-keys).
- Select **+ New Key**. Create a name for the new API key, then select **Create Key**.
- Copy the new API key so you can use it later.

Configuring Postman Monitors

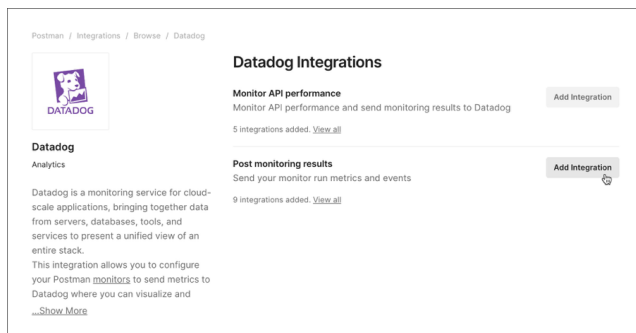
- From the [Home <https://go.postman.co/home>](https://go.postman.co/home) page select [Integrations <https://go.postman.co/integrations>](https://go.postman.co/integrations).



- Select **Browse All Integrations**.
- Search and select **Datadog** <<https://postman.postman.co/integrations/service/datadog>> .

You can select **View all** for a list of all the integrations created by your team.

- Next to **Post monitoring results**, select **Add Integration** to start the configuration process.



- To send your monitor metrics and events to Datadog:

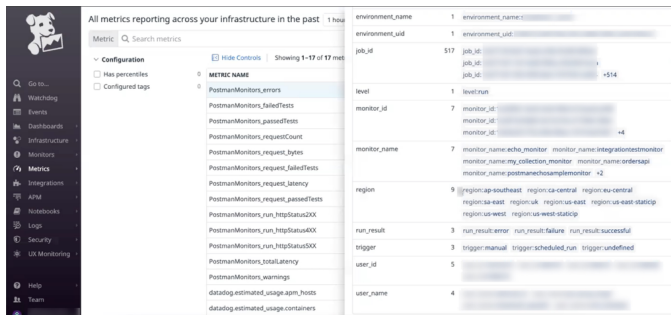
✦ **Nickname** - A nickname for your integration.

- ✦ **Workspace** - The workspace that has your monitor.
- ✦ **Monitor** - The collection-based monitor which will send its results to Datadog.
- ✦ **Region** - Select the Datadog region you want to use.
- ✦ **Datadog API Key** - Enter your **Datadog API key**.
- ✦ Select the checkbox if you want to send events for completed runs.
- ✦ Select the checkbox if you want to send metrics for each run.
- Select **Add Integration**.

You can view your configured integrations on the **Browse Integrations** <https://go.postman.co/integrations/browse> page. You can also view integrations that have been configured for a monitor by opening the monitor and selecting the information icon (i) in the right sidebar. Learn more about **viewing or editing integrations**.

Viewing data in Datadog

When your monitor runs, the data starts flowing into Datadog.



The screenshot shows the Postman Metrics page with a sidebar on the left containing navigation links like Dashboard, Events, Dashboards, Infrastructure, Monitors, Metrics, Integrations, API, Notebooks, Logs, Security, UX Monitoring, Help, and Team. The main content area is titled 'All metrics reporting across your infrastructure in the past 1 hour'. It features a search bar and a 'Configuration' section with checkboxes for 'Has permissions' and 'Configured tags'. Below this is a table of metrics with columns for 'METRIC NAME' and 'level'. The metrics listed include PostmanMonitors/errors, PostmanMonitors/failedTests, PostmanMonitors/passedTests, PostmanMonitors/requestCount, PostmanMonitors/request_bytes, PostmanMonitors/request_failedTests, PostmanMonitors/request_latency, PostmanMonitors/request_passedTests, PostmanMonitors/run_httpStatusXX, PostmanMonitors/run_httpStatusXX, PostmanMonitors/totalLatency, PostmanMonitors/warnings, datadog.estimated_usage_apm_hosts, and datadog.estimated_usage_containers. To the right of the metrics table is a configuration table with columns for 'environment_name', 'environment_id', 'job_id', 'level', 'monitor_id', 'monitor_name', 'region', 'run_result', 'trigger', 'user_id', and 'user_name'. The configuration table contains values for these fields, such as 'environment_name: 1', 'environment_id: 1', 'job_id: 517', 'level: 1', 'monitor_id: 7', 'monitor_name: 7', 'region: 9', 'run_result: 3', 'trigger: 3', 'user_id: 5', and 'user_name: 4'.

Once the data is present in Datadog, you can filter it based on the monitor name or id, collection name or uid, user name or id, and environment name or uid (if present). You can also combine different metrics to create a dashboard.

Forwarding metrics

Postman can forward a wide array of metrics for the specified monitors to Datadog. This table lists the name, type, and level of the metrics, and a description of the metric. For more information on Datadog metric collection, see the **Datadog documentation** <https://docs.datadoghq.com/metrics/>.

Metrics Name	Type	Description	Level
postman.monitor.run.errors	Gauge	Total number of errors across all requests in a monitoring run	Run
postman.monitor.run.failed_tests	Gauge	Total number of failed tests across all requests in a monitoring run	Run
postman.monitor.run.passed_tests	Gauge	Total number of passed tests across all requests in a monitoring run	Run
postman.monitor.run.request_count	Gauge	Total number of requests in a monitoring run	Run
postman.monitor.run.total_latency	Gauge	The total latency time for all requests in a monitoring run	Run
postman.monitor.run.http_status_2xx	Gauge	Total number of requests in a monitoring run that return an HTTP status code in the 200 range	Run
postman.monitor.run.http_status_4xx	Gauge	Total number of requests in a monitoring run that return an HTTP status code in the 400 range	Run
postman.monitor.run.http_status_5xx	Gauge	Total number of requests in a monitoring run that return an HTTP status code in the 500 range	Run
postman.monitor.request.latency	Gauge	Latency for each request in a monitoring run	Request
postman.monitor.request.failed_tests	Gauge	Number of failed tests for each request in a monitoring run	Request
postman.monitor.request.passed_tests	Gauge	Number of passed tests for each request in a monitoring run	Request
postman.monitor.request.bytes	Gauge	Total bytes sent and received for each request in a monitoring run	Request

Metrics tags

Postman sends tags to Datadog along with each metric and event. Tags enable you to filter the metric based on various parameters such as monitor name or collection name. The following tags are sent by Postman to Datadog:

Tag	Description
Region	The region from where the monitor is run
Triggers	What triggered the monitor run: Manual, Webhook, or Scheduled
Run results	Successful, Failure, Error, or Abort
Level	The level the metric is captured for: Run or Request
Status Code	HTTP response code for the request run
Job ID	Monitor's Job ID
Request ID	The request identifier

Updating existing integrations

Postman is a Datadog Technology Partner, and Postman's integration is listed on the Datadog Integrations page. To enable the partnership, the metrics being emitted by Postman have been renamed as described in the [Forwarding metrics](#) section.

If you have integrations created before the integration listing on Datadog, you must update them to take the advantage of the integration listing.

To update existing integrations, do the following:

- Go to the **Post monitoring results** https://go.postman.co/integrations/service/datadog/monitor_run_datadog page.
- Select the integration you want to upgrade.
- Select **Update Now**, then select **Update Integration** on the confirmation box to upgrade the integration.

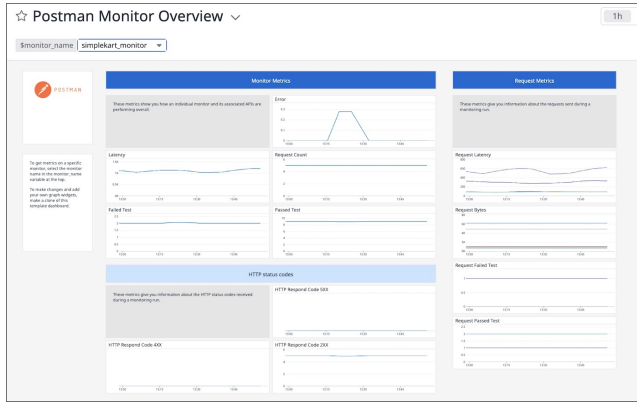
Integration run log		
Showing the last 20 attempts to run the integration		
		Refresh Run Log Edit Integration Delete Integration
TIME	STATUS	Integration
12:00 AM, 22 Apr 2021	SUCCESS	Post monitoring results
12:00 AM, 15 Apr 2021	SUCCESS	Monitor
6:17 PM, 12 Apr 2021	SUCCESS	APIMonitor
12:00 AM, 1 Apr 2021	SUCCESS	Created by
12:04 AM, 25 Mar 2021	SUCCESS	
12:09 AM, 18 Mar 2021	SUCCESS	
12:06 AM, 11 Mar 2021	SUCCESS	
12:01 AM, 4 Mar 2021	SUCCESS	
12:03 AM, 25 Feb 2021	SUCCESS	

- Select **Confirm**.

The updated integration has the following benefits:

- The Postman metrics for the integration are no longer treated as **Custom Metrics** <https://docs.datadoghq.com/metrics/> in Datadog, which means they're free. (Custom metrics on Datadog are **charged** https://docs.datadoghq.com/account_management/billing/custom_metrics/?tab=countrategauge.)

- ✦ Datadog provides a default dashboard that you can use to observe the monitor. Change the `monitor_name` variable to the monitor for which you want to observe the dashboard.



Last modified: 2023/10/06

[← Coralogix](#)

[Dropbox →](#)

Product

[What is Postman?](https://www.postman.com/product/what-is-postman/) <<https://www.postman.com/product/what-is-postman/>>

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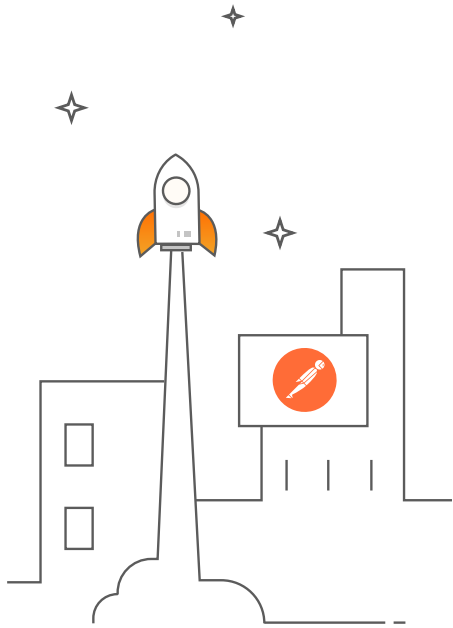
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