

Elastic APM forbidden request: endpoint is disabled

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Date : June 3, 2019

I am currently going through an UI5 app of mine that I want to enhance so I can use APM for performance monitoring. While I have done this several time before, I always run into the same problem:

- I install a new version of ELK and APM on my laptop.
- I add the necessary NPM files for the backend and it works.
- I add RUM to the UI5 app and it won't work.

As I have done the same scenario before I know why it is not working. In this blog I'll share the needed steps to let an app with RUM send data to APM server.

Error message

The response I get from APM is that the endpoint is disabled.

```
{ "error": "forbidden request: endpoint is disabled" }
```

Browser

APM server

```
2019-01-11T01:01:22.507+0200 ERROR [request] beater/common_handler.go:299 error handling request {"request_id": "7be8514c-e929-4ec1-af1a-0dc037743302", "method": "GET", "URL": "/intake/v2/rum/events", "content_length": 0, "remote_address": "127.0.0.1", "user-agent": "Mozilla/5.0", "response_code": 403, "error": {"error": "forbidden request: endpoint is disabled"}}
```

Solution

APM configuration in Kibana contains all the information necessary: you have to [enable RUM support in APM](#).

Go to APM server directory and edit the configuration file `apm-server.yml`

```
vim apm-server.yml
```

Enable RUM

To enable it, set `enabled: true`. The documentation contains some examples that you can use / adapt for your needs. Default settings are OK, so you only have to activate RUM.

```
rum: # To enable real user monitoring (RUM) support set this to true.   enabled: true
```

It's full of stars!

Where documentation meets reality

Be careful to remove the # before rum and enabled. Just removing it before enabled makes enabled to a child of rum. It's a YAML configuration file, hierarchy matters.

Save and start APM server.

Frontend app (UI5) configuration

Add RUM Javascript file and set serviceName parameter.

```
elasticApm.init({      serviceName: 'ui',      serverUrl: 'http://localhost:8080/proxy/http/localhost:8200',    })
```

Result

Calling the UI5 app, RUM is loaded and AJAX calls to events in APM server are now passed. RUM is working.

Browser

Kibana

The request is shown as Unkown, but that's a different problem.