

# Using Analytics Rest API

## Overview

MobileFirst Foundation Operational Analytics provides REST APIs to help developers with importing (POST) and exporting (GET) analytics data.

## Jump to:

- [Analytics REST API](#)
- [Try It Out on Swagger Docs](#)

## Analytics REST API

To use the analytics REST API:

### Base URL

`/analytics-service/rest`

### Example

`https://example.com:9080/analytics-service/v3/applogs`

| REST API Method            | Endpoint               | Description  |
|----------------------------|------------------------|--|
| Application Logs (POST)    | /v3/applogs            | Creates a new application log.   |
| Application Session (POST) | /v3/appsession         | Creates an application session or updates an existing one when reporting with the same appSessionID. |
| Bulk (POST)                | /v3/bulk               | Reports events in bulk.  |
| Custom Chart (GET)         | /v3/customchart        | Exports all custom chart definitions.  |
| Custom Chart (POST)        | /v3/customchart/import | Imports a list of custom charts.   |
| Custom Data (POST)         | /v3/customdata         | Creates new custom data.   |
| Device (POST)              | /v3/device             | Creates or updates a device.   |
| Export Data (GET)          | /v3/export             | Exports data to the specified data format.   |
| Network Transaction (POST) | /v3/networktransaction | Creates a new network transaction.   |
| Server Log (POST)          | /v3/serverlog          | Creates a new server log.  |
| User (POST)                | /v3/user               | Creates a new user.  |

## Try it out on Swagger Docs

Try out the analytics REST API on Swagger Docs.

In a MobileFirst Server configuration with Analytics enabled, visit: `<ipaddress>:<port>/analytics-service`.

**WARNING:**

Do not use a production datastore name for "x-mfp-analytics-api-key", as it could interfere with production data.

**Application Session**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Bulk**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Client Logs**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Custom Chart**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Custom Data**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Device**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Export Data**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Network Transaction**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**Server Log**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**User**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)

[ BASE URL: /analytics-service/rest ]

By clicking on **Expand Operations**, you can see the implementation notes, parameters, and response messages for each method.

Warning: Any data that you send by using **Try it out!** might interfere with data already in the data store. If you are not specifically trying to send data to your production environment, use a test name for the `x-mfp-analytics-api-key`.

**Client Logs**[Show/Hide](#) | [List Operations](#) | [Expand Operations](#)**POST**`/v3/clientlogs`[Creates a new Client Log](#)**Implementation Notes**

An Client Log is any debug log from the user's application

**Parameters**

| Parameter                      | Value   | Description                  | Parameter Type | Data Type  |
|--------------------------------|---|------------------------------|----------------|--|
| <b>body</b>                    | (required)  |                              | body           | Model  |
|                                | <div></div>   |                              |                | Example Value  |
|                                | Parameter content type: <span>application/json</span> |                              |                | <pre>{   "logs": [     {       "timestamp": "2016-07-18T05:24:03.358Z",       "timezone": "60",       "file": "Main.swift",       "level": "ERROR",       "line": "234",       "message": "Something normal happened.",       "sourceClass": "string",       "method": "takePicture",       "locationName": "string"     }   ] }</pre> |
| <b>x-mfp-analytics-api-key</b> | <input type="text" value="TestIndex"/>                | Index name of the datastore. | header         | string   |

**Response Messages**

| HTTP Status Code | Reason                      | Response Model | Headers       |
|------------------|-----------------------------|----------------|---------------|
| 202              | Client Log created          |                |               |
| 400              | Invalid Client Log supplied | Model          | Example Value |