

# Using Analytics Rest API

## Overview

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

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