

Using Analytics Rest API

fork and edit tutorial (<https://github.ibm.com/MFPSamples/DevCenter/tree/master/tutorials/en/foundation/8.0/analytics/analytics-rest-api/index.md>) | report issue (<https://github.ibm.com/MFPSamples/DevCenter/issues/new>)

Overview

MobileFirst Foundation Operational Analytics provides REST APIs to help the developer 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	Create a new application log.
Application Session (POST)	/v3/appsession	Creates new or updates an existing application session when reporting with the same appSessionID.
Bulk (POST)	/v3/bulk	Bulk reporting of events.
Custom Chart (GET)	/v3/customchart	Export all custom chart definitions.
Custom Chart (POST)	/v3/customchart/import	Import a list of custom charts.
Custom Data (POST)	/v3/customdata	Create new custom data.
Device (POST)	/v3/device	Creates or updates a device.
Export Data (GET)	/v3/export	Export data to the specified data format.
Network Transaction (POST)	/v3/networktransaction	Create a new network transaction.
Server Log (POST)	/v3/serverlog	Creates a new server log.
User (POST)	/v3/user	Creates a new user.

For more information about the analytics REST API, see the topic about analytics in the user documentation.

Try it out on Swagger Docs

Try out the analytics REST API on Swagger Docs included with the analytics console. It is already bundled with your analytics console at:

URL: `<ipaddress>:<port>/analytics-service`

Default: `localhost:9080/analytics-service/`

WARNING:

Any data sent when using "Try it out!" could interfere with data already in the datastore. If you are not specifically trying to send data to your production environment, then use a test name for the "x-mfp-analytics-api-key".

Application Logs

Show/Hide | List Operations | Expand Operations

POST `/v3/applogs` [Creates a new Application Log](#)

Application Session

Show/Hide | List Operations | Expand Operations

POST `/v3/appsession` [Creates new or updates an existing Application Session when reporting with the same appSessionID](#)

Bulk

Show/Hide | List Operations | Expand Operations

POST `/v3/bulk` [Bulk reporting of events](#)

Custom Chart

Show/Hide | List Operations | Expand Operations

GET `/v3/customchart` [Export all Custom Chart definitions](#)

POST `/v3/customchart/import` [Import a list of custom charts](#)

Custom Data

Show/Hide | List Operations | Expand Operations

POST `/v3/customdata` [Create new Custom Data](#)

Device

Show/Hide | List Operations | Expand Operations

POST `/v3/device` [Creates or updates a Device](#)

Export Data

Show/Hide | List Operations | Expand Operations

GET `/v3/export` [Export Data to the specified data format](#)

Network Transaction

Show/Hide | List Operations | Expand Operations

POST `/v3/networktransaction` [Creates a new NetworkTransaction](#)

Server Log

Show/Hide | List Operations | Expand Operations

POST `/v3/serverlog` [Creates a new Server Log](#)

User

Show/Hide | List Operations | Expand Operations

POST `/v3/user` [Creates a new User](#)

[BASE URL: `/analytics-service/rest`]

By clicking `Expand Operations` you are able to see the implementation notes, parameters, and response messages for each method.

Application Logs

Show/Hide | List Operations | Expand Operations

POST /v3/applogs

Creates a new Application Log

Implementation Notes

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

Parameters

Parameter	Value	Description	Parameter Type	Data Type
body	<div>(required)</div> <div>Parameter content type: application/json</div>		body	Model
				Example Value
				<pre>{ "logs": [{ "timestamp": "2016-01-01T00:00:00Z", "timezone": "60", "file": "Main.swift" }] }</pre>
x-mfp-analytics-api-key	TestIndex	Index name of the datastore.	header	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
202	Application Log created		
400	Invalid Application Log supplied	Model	Example Value
			<pre>{ "totalDocumentsReceived": 0, "successCount": 0, "documentValidationErrors": [{ "originalDocument": {}, "messages": [</pre>

Try it out!

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