



# CMX Engage Streaming Data Export API

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## Overview

The CMX Engage captures variety of data of users at location including user acquisition data, user visit data, Proximity rule match data, and so on. Streaming Data Export API can be customized to provide other data not beyond the standard data listed.

Streaming Data Export API is optimized to support easy ingestion into customers' CRM / Big Data / Analytics / BI systems.

Exports are provided as flat files (CSV) that are uploaded directly into customer data center / cloud over SFTP. Optionally, this can be transferred over a VPN connection if the destination server is not accessible over public internet. The frequency of the upload can be customized to suit customer requirements and volume of data. This supports fully automated ingestion into customer systems.

## Streaming Data Export API Requirements

The following details are required to setup streaming data export. Please provide the following details to support.



**Table 1**      **API Requirements**

Item	Description	Allowed Values
Data Type	Type of data to export. See below for details.	User Acquisition, User Visits, Custom
Delimiter	Single ASCII character that is used to separate fields in the output file	pipe character (   ), a comma ( , ), or a tab ( \t )
Headers	Header info of the fields present in the output file	
Schedule	Schedule of the streaming data export	Hourly, Daily and Weekly
Time Zone	Timezone to use for the schedule. The system will automatically adjust for daylight savings.	TimeZone name (ex UTC, US/Eastern)
Day of the week	For weekly schedule, the day of the week the data is uploaded	Sun, Mon, Tue, Wed, Thu, Fri, Sat
Hour of the day	For weekly and daily schedules, the hour of the day to upload the data	HH (00-23)
Compressed	Compress CSV data using GZIP (recommended)	YES / NO
SFTP Host	SFTP server address. Only username/password authentication is supported.	Domain name or IP
User Name	SFTP username	
Password	SFTP password	
Path	Path on the SFTP server to export data into	
Filename Prefix	Optional prefix to prepend to generated file names. File names are generated in the following format  <prefix>_YYYY-MM-DD HH:00.csv[.gz]	



**Note**

Uploaded files are currently limited to 1GB per upload. Pick a schedule to ensure that the limit is not crossed.

# Export Data Types

The export data types are the following:

- [User Acquisition, page 3](#)
- [User Visits, page 3](#)
- [Engagements, page 3](#)
- [Custom, page 3](#)

## User Acquisition

Log Timestamp, Local Date time, Time zone, Location path, Device Id, User Id, MAC Address, Mobile number, Opt-In, Email, First name, Last name, Gender, Age, Social Network, Social Network Profile URL, Social Network Picture, Device Name, Device OS, Device OS Version

## User Visits

Log Timestamp, Local Date time, Time zone, Location path, Device Id, User Id, MAC Address, Visit Start Timestamp, Visit End Timestamp

## Engagements

Log Timestamp, Local Date time, Time zone, Location Path, Device Id, User Id, MAC Address, Rule, Target, Type, Destination, Url, Message

## Custom

Reach out to support to setup custom data export.

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