

Spotify Comparison Matrix

- Standard and Enhanced Bulk API

Version	2.4
Updated on	Jan 29, 2018
New Features added	1. Sub30SecondStreams: track_id, user_id, length, timestamp, country, product, region 2. Aggregated Streams : saves.free and saves.premium

Stream Resources

Streams

Field	Description	Example	Standard Bulk API V1.0	Enhanced Bulk API V2.4	Additional comments
message	Message header to identify the message.	APIStreamData	✓	✓	
version	What version of the API this line corresponds to.	2	✓	✓	
user_id	A unique identifier for the user account	000000d8df8042fc4b6c96e921789f49	✓	✓	

	initiating the stream. The Customer Id is kept constant over time but is unique per licensor.				
track_id	The Spotify ID of the track streamed.	d9452215c02041e09c c4ee1e20748c9d	✓	✓	
shuffle	Boolean indicator to show if stream originated from a shuffle play. Shall report 'Y' if play occurred during shuffle play; else 'N'.	Y		✓	
repeat_play	Indicator to show if the play originated for via a repeat play. Shall report 'Y' if play occurred during shuffle play; else 'N'.	Y		✓	
cached *	A flag to indicate if the stream was made offline and later logged (Y/N)	Y/N	✓	✓	Feature updated to reflect offline-mode
timestamp	UTC time when the stream was made, given in YYYYMMDDThh:m m:ss time format (rounded to the nearest minute).	20170612T15:30:00:2 9:59	✓	✓	Field definition has changed. Earlier we were rounding it to nearest 15 min now it is rounded to nearest minute
utc_timesta mp_offset	UTC timestamp offset for user location (e.g. "-8:00 for California, "-5:00" for New York, etc.)	-8:00		✓	

offline_time stamp *	UTC time when the stream was actually made, if the stream was played in offline mode, given in YYYYMMDDThh:m m:ss time format, rounded to nearest minute.	20170106T16:30:00	✓	✓	Feature updated to reflect offline-mode
length	Length of stream rounded to full seconds. Will never be greater than 900 sec (15 min) as a cap.	234	✓	✓	
source	From where in the client the stream was initiated, has values: □ “other”, “search”, “artist”, “album”, “collection”, “others_playlist”, “chart”, “radio”.	others_playlist	✓	✓	More granular source breakdown. “Charts” and “Radio” added.
source_uri	The URI of the playlist, if it was a playlist_other stream, and the playlist had over 100 unique listeners the previous week. For personalized lists that are aggregated, the Spotify URI will be replaced with the label for the aggregation – “discoverWeekly”, “releaseRadar”, “dailyMix”.	spotify:user:spotify:playlist:4mJ1bfBwQoJhyARirQ4Mgu	✓	✓	Change in definition and URI resolution for “discoverWeekly”, “dailyMix” and “releaseRadar”. Filter of 100 unique listeners in the past week for “discoverWeekly”, “releaseRadar” and “dailyMix” removed.

device_type	Data indicating type of hardware device that stream was made from when available for a device type where possible. Data provided must be granular enough to differentiate between distinct types of hardware . The following shall be reported, where possible: personal computer, cell phone, tablet, connected audio device (e.g. Sonos, connected hi-fi, etc.), built-in car application, smart tv device (e.g. Apple TV, Chromecast, etc.), gaming console, other	tablet	✓	✓	More granular device type breakdown. Old : 1. desktop 2. cell phone 3. tablet New : 1. personal computer 2. cell phone 3. Tablet 4. connected audio device (e.g. Sonos, connected hi-fi, etc.) 5. built-in car application 6. smart tv device (e.g. Apple TV, Chromecast, etc.) 7. Gaming console 8. other
os	Field indicating which OS the stream was made from	Android / iOS / Windows / Mac OSX / etc.	✓	✓	
content_type_flag	Flag to indicate if the streamed content was a “video” or “audio”	audio		✓	
completion_flag	Field indicates if the song/video was streamed to its full length or skipped before that. Value indicated with Y or N	Y		✓	

** As of now the client does not report cached & offline_timestamp very reliably due to the factors outside of our control, hence the data may not be highly accurate.*

Tracks

Field	Description	Example	Bulk API V1.0	Bulk API V2.4	Additional Comments
message	Message header to identify the message.	APITrackData	✓		This data is only published through V1.0 (V2.4 Users pull this data from the v1 endpoint)
version	What version of the API this line corresponds to.	2	✓		
track_id	The Spotify ID of the track streamed, same as in streams file.	0000d013ba314f31aae2045de4209a5b	✓		
uri	The Spotify URI code (alternative track ID used in client)	spotify:track:000n1Rci26RRmpHUiYBSyf	✓		
isrc	ISRC of the recording or '?' if no ISRC was provided in the metadata for the track.	DEC711621978	✓		
album_code	UPC (or EAN if no UPC is given) of the album containing this track or '?' if no UPC or EAN was provided in the metadata for the album.	886446100623	✓		
album_artist	Artist name given for the album containing this track.	Die drei !!!	✓		
track_artist	Artist name given for this track.	Die drei !!!	✓		

track_name	Name of the track.	22. Dez. 2014: In die falsche Richtung - Teil 03	✓		
album_name	Name of the album containing this track.	Eisprinzessin in Not	✓		

Users

Field	Description	Example	Bulk API V1.0	Bulk API V2.4	Additional Comments
message	Message header to identify the message.	APIUserData	✓	✓	
version	What version of the API this line corresponds to.	2	✓	✓	
user_id	A unique identifier for the user account initiating the stream. The User ID is kept constant over time but is unique per licensor.	0000080bd1184977f3540303bbed7051	✓	✓	
access	Service access type the user has: premium, ad, unlimited, weekpass	premium	✓	✓	
type	The type of product the user has: trial,	paid	✓	✓	

	partner, standard, student, family, comp-account				
product	The Spotify product of this user. Either premium (P), free (F), basic-desktop (U), open (O), daypass (D), limited (L), Winback or Intro. If the user changes product during a day, the last product will be given.	winback	✓	✓	More granular product info : Winback and Intro
partner	The name of the partner through which the user has a premium account	telia-se	✓	✓	
referral	Not in use / empty.		✓	✓	
country	The country the user is registered in. Given as a 2 letter ISO country code.	SE	✓	✓	
birth_year	Year of birth for the user.	1990	✓	✓	
gender	The gender of the user, either male or female.	male	✓	✓	
region	The region code of the user: DMA-code for	501	✓	✓	

	US, ISO-code for other countries				
Zipcode *	Zip Code or Postal Code information of the user, or an empty string if not available, consisting of: □ US - first 3 digits Other: first 2 digits Not in use / empty.	13	✓	✓	

* Spotify reports valid zip code based on user's input.

Sub 30s Streams

Field	Description	Example	Bulk API V1	Bulk API V2	Additional comments
message	Message header to identify the message.	APISkipsData		✓	
version	What version of the API this line corresponds to.	2		✓	
track_id	The Spotify ID of the track streamed.	d9452215c02041e09cc4e1e20748c9d		✓	
user_id	A unique identifier for the user account initiating the stream. The Customer Id is kept constant over time but is unique per licensor.	000000d8df8042fc4b6c96e921789f49		✓	

length	Length of stream rounded to full seconds. Will never be greater than 30 seconds	22		✓	
timestamp	UTC time when the stream was made, given in YYYYMMDDThh:mm:ss time format (rounded to the nearest minute).	20170612T15:30:00:29:59		✓	Field definition has changed. Earlier we were rounding it to nearest 15 min now it is rounded to nearest minute
country	The country the stream originates from, given as a two-letter ISO country code.	US		✓	
region	The region code of the user: DMA-code for US, ISO-code for other countries	501		✓	
product	The Spotify product of this user. Either premium (P), free (F), basic-desktop (U), open (O), daypass (D), limited (L), Winback or Intro. If the user changes product during a day, the last product will be given.	winback		✓	More granular product info : Winback and Intro

Aggregate Resources

Field	Description	Example	Bulk API V1.0	Bulk API V2.4	Additional Comments
licensor	The licensor	Wagram	✓	✓	
album.name	Name of the album	Mon Coffret Naissance	✓	✓	
album.href	Spotify URI of the album	spotify:album:1ZPk485ne31zeP1AY8vSAr	✓	✓	
message_name	name of the API message	APIAggregatedStreamData	✓	✓	
trackv2.name	Name of the track	Bonsoir Madame la Lune	✓	✓	
trackv2.href	Spotify URI of the track	spotify:track:18wwmUOYAd8vehDVoB6Slz	✓	✓	
trackv2.isrc	ISRC of the track	USMC15804831	✓	✓	
label	The label	Wagram Music	✓	✓	
version	Version of the API message	2	✓	✓	
streams.total	Total number of streams for the song for the date	1	✓	✓	

skips.total	Total number of 1 – 29,999ms plays per country			✓	
saves.total	Total number of Savers per country. Given a single user can save a track multiple times (e.g. to multiple playlists), we only count a maximum of 1 save/user	5		✓	
saves.free	Total number of Savers per country per free product type. Given a single user can save a track multiple times (e.g. to multiple playlists), we only count a maximum of 1 save/user	2		✓	
saves.premium	Total number of Savers per country per premium product	3		✓	

	type. Given a single user can save a track multiple times (e.g. to multiple playlists), we only count a maximum of 1 save/user				
country.total	Total number of streams for the song in the country for the date	1	✓	✓	
age	An age span	23-27	✓	✓	
sex	The user gender	female	✓	✓	
date	The date requested	2013-11-28	✓	✓	
artists.names	Name of the artists, comma-separated if several	Solhal	✓	✓	
artists.hrefs	Spotify URI of the artists, comma-separated if several	spotify:artist:1DdkQf8O1DrLtaHqF5iXVF	✓	✓	