Review & Rating - Database

Database

This chapter list down the tables used in R&R services:

<u>KEYSPACE</u>: reviews_platform
- reviews: Contain review related details.

Field	Type	Null	Key	Default	Description
id	blob	NO			Review Id
object_owner_id	int	NO	PRI	0 (snapdeal)	The Id of the owner to which the reviewed entity belongs
object_type	int	NO	PRI	0 (product)	Type of the reviewed entity: • product • seller
object_id	text	NO			ID of reviewed entity i.e. ProductID
object_id_hash	int	NO	PRI		Hash of the object_id
user_source_id	int	NO		0 (snapdeal)	The source through which the object was reviewed
user_id	text	NO			User's Id from the respective source
user_review_count	int	NO		0	Stores the count of reviews given by user.
nickname	text	NO			User's nick name
is_certified_buyer	boolean	NO		FALSE	A flag to indicate if the user has actually bought the object he reviewed
has_only_rating	boolean	NO		FALSE	A flag to indicate if only the rating is provided. If true only the rating field requires a value and all other fields will be saved as null
rating	int	NO			The rating provided by the user
headline	text	NO			Reviewhead lineprovided by the user
comments	text	NO			Review content from the user
status	int	NO			Status of the review • Approved • Rejected
liked_by	set<text>	YES		NULL	Stores user id of the user who upvoted the review.
disliked_by	set<text>	YES		NULL	Stores user id of the user who downvoted the review.
created_at	timestamp	NO			Time at which the review creation request was received
is_checked_out	boolean	NO		FALSE	A flag to indicate whether the review has been checked out for moderation
checked_out_by	uuid	YES		NULL	stored the id of the moderator who has checked out the review for moderation
rich_data	text	YES			Ajsonstring that holds the rich data details: • pros • cons
is_flagged	boolean	NO		FALSE	A flag used to indicate whether the review is marked_as_spam or marked_as_abuse.
marked_as_spam	set<text>	YES		NULL	Stores user_id of the user who marked the review as spam.
marked_as_abuse	set<text>	YES		NULL	Stores user_id of the user who marked the review as abuse.
moderated_at	timestamp	YES		NULL	Time at which the review is moderated.
moderator_id	text	YES		NULL	Gives info about the moderator who moderated the review.
moderator_rating	int	NO		0	Stores rating for a review in range from 1 to 10.
recommended	int	NO		0	Recommendation for a product i.e. YES(1), NO(-1) and ABSTAIN(0)

rejection_comment	text	YES		NULL	comment given by moderator after moderating the review.
rejection_reason	uuid	NO			stores the ID of rejection reason which is used for rejecting the review
review_quality_score	float	NO		0.0f	Quality score which is calculated on the basis of various quality score generation factors
images	list<text>	YES		NULL	Image URL is stored for a reviewed entity.
videos	list<text>	YES		NULL	Video URL is stored for a reviewed entity.
check_out_id	text	YES		NULL	contains check_out_id of checkout session.
moderator_tat	bigint	YES		NULL	contains time taken for moderation

⌄ object_stats: Accumulates review related data on object level (product level).

Field	Type	Null	Key	Default	Description
object_owner_id	int	NO	PRI	0 (snapdeal)	Id of the owner to which the reviewed entity belongs
object_type	int	NO	PRI	0 (product)	Type of the reviewed entity: • product • seller
object_id	text	NO			Id of the reviewed entity i.e., productId
num_of_reviews	int	NO		0	Total number of reviews for this object
num_of_reviews_with_image	int	NO		0	Total number of reviews with an image
num_of_reviews_with_video	int	NO		0	Total number of reviews with a video
rich_data_cumulate	text	NO		0	Ajsonstring containing the sum of all pros, cons etc.
most_helpful_positive_review	blob	YES			Id of the most helpful positive review
most_helpful_negative_review	blob	YES			Id of the most helpful negative review
recommended_count	int	NO		0	count of reviews which are recommended by user
not_recommended_count	int	NO		0	count of reviews which are not-recommended by user
ratings_histogram	map<int, int>	NO			Stores the count of users corresponding the rating given by then for a product
reviews_histogram	map<int, int>	NO			Stores the count of reviews with respect to status for a product

⌄ master_data: Contains data related to profane words

Field	Type	Null	Key	Default	Description
key	text	NO	PRI		keys like (MODERATION, REVIEW_CREATION)
valueset	set<text>	NO			stores set of values corresponding to keys

⌄ configurations: Contain configurations related to system

Field	Type	Null	Key	Default	Description
configuration_type	text	NO	PRI		denotes type of configuration
configuration	text	NO			stores the serialized format of configurations
default_configuration	text	NO			stores the system default configuration which are bootstrapped

⌄ review_forms: Stores dynamic form fields with respect to products for review creation

Field	Type	Null	Key	Default	Description
object_owner_id	int	NO	PRI	0 - snapdeal	The Id of the owner to which the reviewed entity belongs
object_type	int	NO	PRI		Type of the reviewed entity: • product • seller
object_id	text	NO	PRI		ID of product i.e. ProductID

form_json	text	NO			store serialized rich data form fields for a particular product

pogid_mapping: Contains all the mapping of the product ids

Field	Type	Null	Key	Default	Description
child_pog_id	bigint	NO	PRI		id of child product
child_pog_name	text	NO			child product name
parent_pog_id	bigint	NO	SEC		id of parent product
parent_pog_name	text	NO			parent product name

reviews_sample: Contains sample review for a product

Field	Type	Null	Key	Default	Description
label	text	NO	PRI		label of product for sample review
comments	text	NO			comments for sample review
created_at	timestamp	NO			created_at time for sample review
headline	text	NO			headline for sample review
nick_name	text	NO			nick_name of the user for sample review
rating	int	NO			rating for sample reviews between 1-5

shippment_data: Contains the data related to shippment of product

Field	Type	Null	Key	Default	Description
actual_delivered_date	bigint	NO	PRI		delivered date of the product to user
actual_delivered_timestamp	timestamp	NO			delivered timestamp of the product
customer_id	text	NO	PRI		id of the customer
sub_order_code	text	NO	PRI		id of sub_order within an order
customer_name	text	NO			name of the customer who ordered the product
order_code	text	NO			order code
delivered_mark_date	timestamp	NO			date when the order marked as delivered into the system
supc_code	text	NO			snapdeal unique product code for the product
catlog_id	text	NO			id of the catalog
product_name	text	NO			name of the product
pdp_link	text	NO			link of the product description page
image_url	text	NO			image URI for the shippment
pog_id	text	NO			product offers group id for a product
sent_email_count	int	NO		0	no of email sent to the customer

unsubscribed_users: Contains info about the users who unsubscribed themselves from emails

Field	Type	Null	Key	Default	Description
user_id	text	NO	PRI		contains email_id of the user who has unsubscribed

category_template_mapping: Mapping categorires to templates

Field	Type	Null	Key	Default	Description
category_id	text	NO	PRI		contains id of category
template_id	text				contains id of template

checkout_session_tracker: Contains information related to every checkout

Field	Type	Null	Key	Default	Description
check_out_id	UUID	NO	PRI		contains id for every checkout session
check_in_review_ids	set<text>	NO		NULL	contains review_ids which are checked in
check_out_size	int	NO		NULL	contains the no of check out reviews
end_time	bigint	YES		NULL	contains time of checkin for the session
start_time	bigint	NO		NULL	contains time of checkout

⌄ report_subscription: contains email_ids who are subscribed for a particular report

Field	Type	Null	Key	Default	Description
report_id	text	NO	PRI		contains id of reports
subscribed_emails	set<text>	NO		NULL	contains email ids of subscribed users

KEYSPACE: reviews_platform_emailer
⌄ email_activity: contains email audit iniformation

Field	Type	Null	Key	Default	Description
id	uuid	NO	PRI		contains id for audit
date	timestamp	NO			date time for triggered email
email	text	NO			email id of user
is_success	boolean	NO		false	contains mail delivery success information
template_name	text	NO			contains name of template

Here is a link to the latest DDL statements