

## SentMails

Moving on, what happens after a broadcast has been sent? We know from the user stories that we need to calculate reports like:

- Total e-mails sent
- Open rate
- Click rate

So we need something that represents a "sent e-mail." After sending a broadcast, it will send X e-mails and need to create X rows in a table, where X is the number of subscribers. It's also a requirement to track sequence e-mails, so we need to do the same with sequence e-mails. We need a table with a polymorph relationship. What does this table represent? As I said earlier, it stores e-mails that already have been sent, so my suggestion for the name is `sent_mails` :

id	sendable_id	sendable_type	subscriber_id	sent_at	opened_at	clicked_at
1	1	Broadcast	101	2022-04-22 13:00:00	2022-04-22 13:11:00	2022-04-22 13:12:00
2	1	Broadcast	129	2022-04-22 13:00:00	2022-04-22 13:24:00	
3	4	SequenceMail	411	2022-04-25 09:13:00		

Since the table name is `sent_mails` , I've decided to use the `sendable` as the name for the morph relationship. The `sendable_type` will contain the fully-qualified class name of the models that I don't know precisely at the moment, so I just wrote the class names.

The tracking API will update the `opened_at` and `clicked_at` columns for a given subscriber and sendable. From this table, we can calculate the reports. For example, the performance of the broadcast:

- Total e-mails sent: 2
- Open rate: 100%
- Click rate: 50%