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## Widgets Reference

Metadata

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# Metadata

## Interaction Lifecycle

Every `SendMessage` interaction has a sequence of events we describe as the 'Interaction Lifecycle'. This is a sequence of events that tracks progress and choices from the beginning of an interaction (opening `SendMessage`), to the end (closing `SendMessage`), and every step in between.

The following events are part of the Interaction Lifecycle:

- ready
- opened
- started
- cancelled
- submitted
- completed
- closed

## Lifecycle Scenarios

An Interaction Lifecycle can vary based on each user's intent and experience with `SendMessage`. Here are several sequences of events in the lifecycle that correspond to different scenarios.

The user opened `SendMessage` but changed their mind and closed it without entering any information:

ready -> opened -> cancelled -> closed

The user started filling out the form but closed `SendMessage` without sending it:

ready -> opened -> started -> cancelled -> closed

The user started filling out the form and submitted it successfully:

ready -> opened -> started -> submitted -> completed -> closed

### Tip

For a list of all `SendMessage` events, see [API Events](#).

## Metadata

Each event in the Interaction Lifecycle includes the following block of metadata. By default, all values are set to false. As the user progresses through the lifecycle of a SendMessage interaction, these values will be updated.

The metadata block contains boolean state flags, counters, timestamps, and elapsed times. These values can be used to track and identify trends or issues with email interactions. During run-time, the metadata can help you offer a smart and dynamic experience to your users.

## Reference

Name	Type	Description	Introduced / Updated
proactive	boolean	Indicates SendMessage was offered and accepted proactively.	
prefilled	boolean	Indicates the form was prefilled with info automatically.	
autoSubmitted	boolean	Indicates the form was submitted automatically, usually after being prefilled.	
errors	array/boolean	An array of error codes encountered after submitting the form. If no errors, this value will be false.	
form	object	An object containing the form parameters when the form is submitted.	9.0.002.06
opened	integer (timestamp)	Timestamp indicating when SendMessage was opened.	
started	integer (timestamp)	Timestamp indicating when the user started entering information into the form.	
cancelled	integer (timestamp)	Timestamp indicating when the message draft is cancelled. Cancelled refers to when a user abandoned the interaction by closing SendMessage before sending a message.	
completed	integer (timestamp)	Timestamp indicating when the message was sent successfully.	

## Metadata

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Name	Type	Description	Introduced / Updated
closed	integer (timestamp)	Timestamp indicating when SendMessage was closed.	
elapsed	integer (milliseconds)	Total elapsed time in milliseconds from when the user started entering information to when the user cancelled or completed the interaction.	