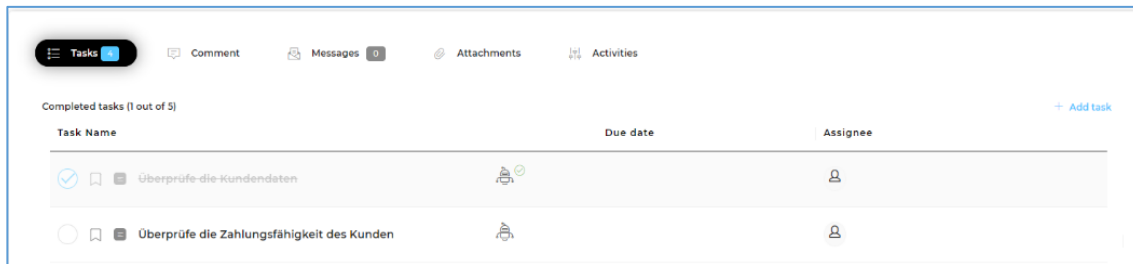


epilot http response format

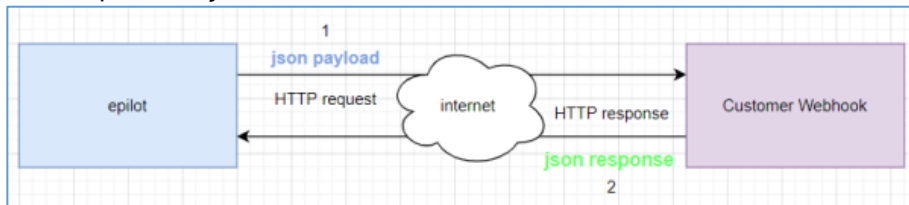
29 July 2020

Context

External webhooks can be called from within epilot. As of current implementation, marking complete a special task of an epilot opportunity (see example screenshot below) will send a JSON payload to customer-defined target URL as a HTTP POST request.



The request is *synchronous*. Refer to the scheme below.



Response format

The following documentation defines the expected format of the HTTP response of the above-mentioned synchronous requests.

Status codes

The request state - success or failure – is based on standard HTTP response status codes from the Webhook. (standard syntax defined in <https://www.w3.org/Protocols/rfc2616/rfc2616-sec10.html>)

- success: 2xx, such as 200 or 201
- failure: 4xx or 5xx, such as 400 or 500

Success

As of today, there is no need for further processing of success response messages. A http 2xx response is sufficient.

Error

Unsuccessful requests however need to be processed and corresponding actions taken, e.g. display a UI message to the user. Therefore, the following section will focus on this use case.

Error response body

The response body must have the following scheme in JSON format:

```
{
  "error":{
    "message":String,
    "type":String,
    "code":Number,
    "request_id":String
  }
}
```

- message (required) - human readable, to be displayed somewhere in epilot UI
- type (required) - error types, general error category, see details below
- code (required) - custom error codes, more error details, see details below
- request_id (optional) - epilot can provide this id back to webhook provider, for further investigation, e.g. when the error originated in the webhook itself

example response body:

```
{
  "error":{
    "message":"Required property 'street_name' is missing",
    "type":"INVALID_DATA",
    "code":400101,
    "request_id":"313513513153"
  }
}
```

Custom error types and codes

No	HTTP status codes	Error types	Error codes	Short description
1	400	MALFORMED_JSON	400000	Improper json format
2		MISSING_DATA	400100	The whole json payload is missing
3			400101	A required json property is missing
4		INVALID_DATA	400200	Invalid value. Example: property 'state' only accepts values 1, 2 or 3, but actual value is 4.
5			400201	Unknown property in json payload
6	401	AUTHENTICATION	401000	Missing authentication token
7		AUTHENTICATION	401001	Authentication token is invalid
8	403	AUTHORIZATION	403000	Missing privileges to invoke the webhook
9	405	METHOD_NOT_ALLOWED	405000	HTTP method not allowed. Example: webhook providing a POST endpoint, but a GET request was sent
10	408	REQUEST_TIMEOUT	408000	Request timeout. The webhook did not receive a complete request message within the time that it was prepared to wait, e.g. 30 seconds.
11	413	REQUEST_TOO_LARGE	413000	JSON payload size too large, e.g. > 1mb
12	415	MEDIA_TYPE_UNSUPPORTED	415000	Wrong body format. Example: webhook only supports request content type as application/json, but requester sent application/x-www-form-urlencoded
13	500	WEBHOOK_ERROR	500000	Internal error at webhook
14	503	WEBHOOK_UNAVAILABLE	503000	Webhook unavailable
15	504	WEBHOOK_TIMEOUT	504000	Webhook timeout