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Open API WebHooks

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Overview

The current document describes WebHooks (version 1.0) published by DealHub Revenue Amplification Platform. WebHooks allow you to subscribe to the events happening in the CPQ. Each DealHub account that would like to get WebHook notifications will need to deploy a publicly available, secure (HTTPS) endpoint in order to handle the WebHooks specified in this document. Once available, this endpoint URL will need to be configured in the DealHub system. For the scenarios described below DealHub will send HTTP requests to the configured endpoint. Each DealHub account will be able to configure which WebHooks it would like to be notified about.

## Main Business Entities

WebHooks will be published by DealHub platform upon various activities related to the following entities within the platform:

Version Entity

Version is an entity that consolidates the configuration of products, prices, discount policies, and various business flows to allow sales reps to ensure the delivery of accurate quotes to buyers.

Version entity lifecycle:
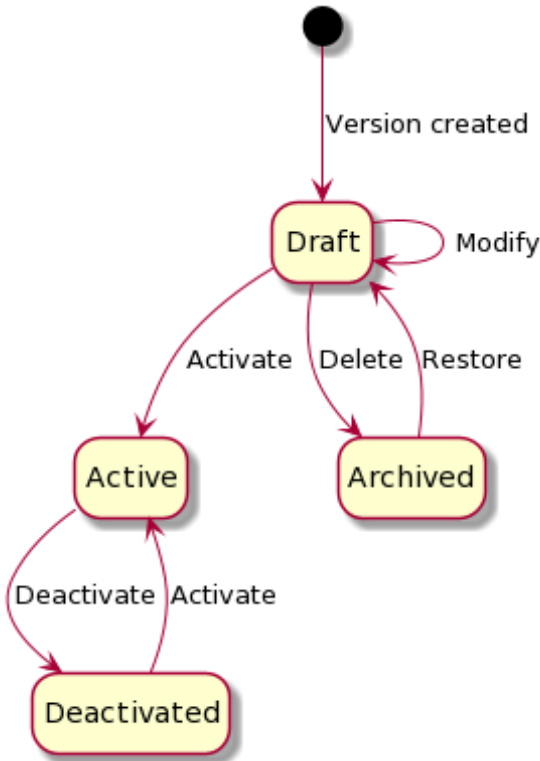
Quote Entity

Quote (aka Proposal) is an entity that aggregates products with their configuration and prices that the seller would like to propose to his customer.

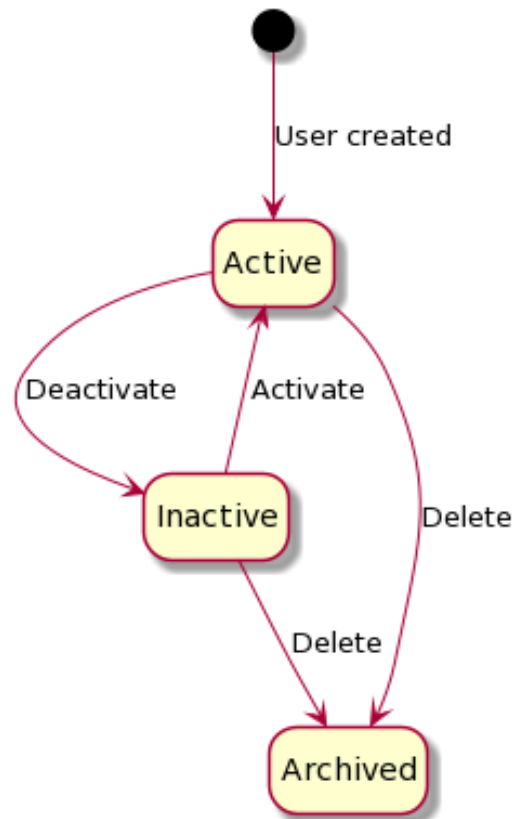**Quote entity lifecycle:**
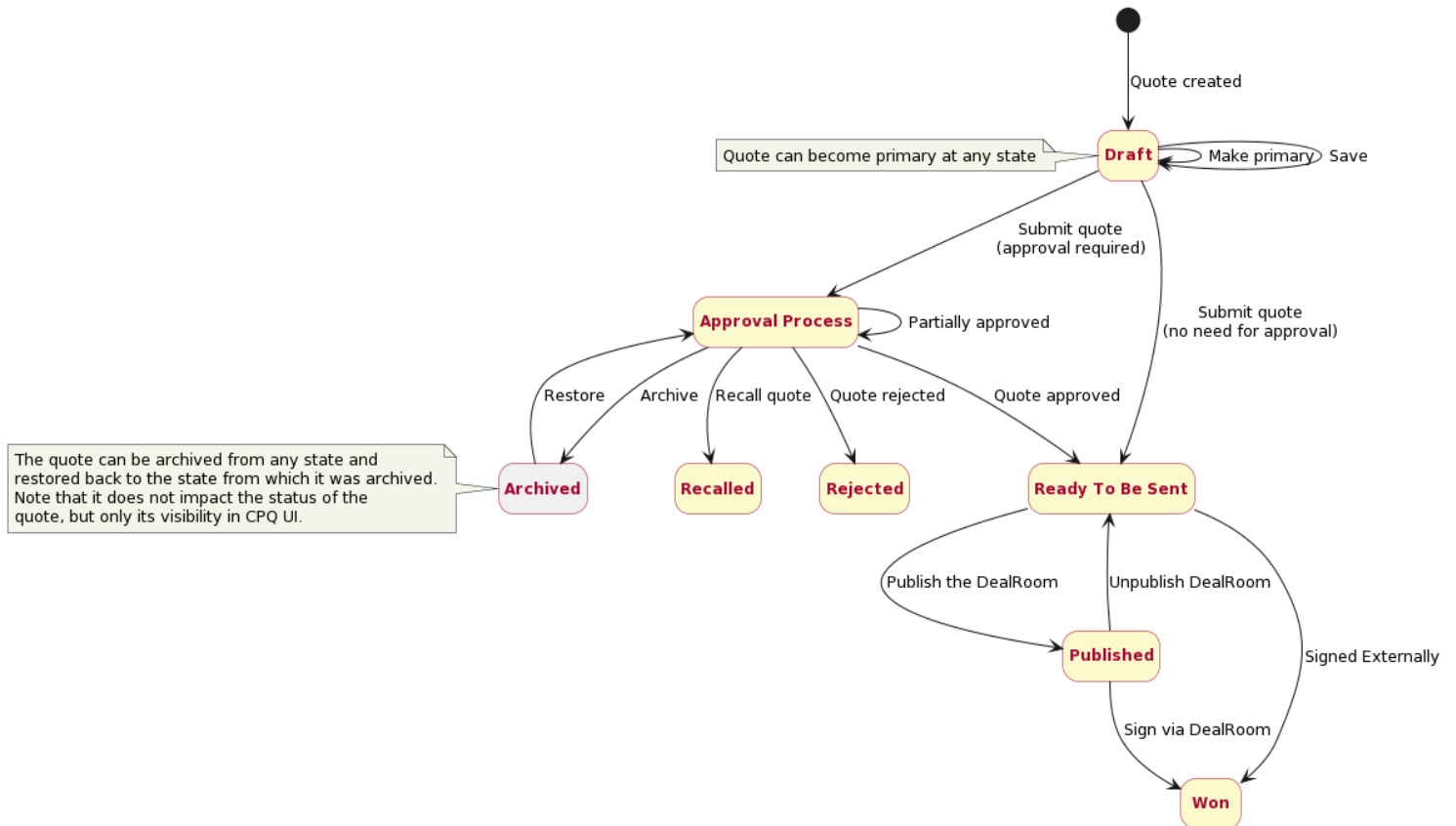
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User Entity

An entity that represents selling organization employees, like sales reps, administrator(s), contract signers (when contract signed via the DealRoom), partner users.

User entity lifecycle:

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Security

Each DealHub account that would like to get WebHook notifications will need to deploy a publicly available, secure (HTTPS) endpoint to handle the WebHooks specified in this document.

When defining which event should be published by CPQ, the administrator will be able to specify the authentication type of the configured endpoint.
Supported authentication types:
- Token
  When the Token authentication type is selected, the administrator will need to provide the actual token (that is shared by the provider of the endpoint). This secret token will be persisted in the system and will be sent in the header of each request under the following field
  ```
  Authorization: Bearer <TOKEN_SHARED_BY_ENDPOINT_PROVIDER>
  ```

- Basic
  When the Basic authentication type is selected, the administrator will need to provide the username and the password (as shared by the provider of the endpoint). These credentials will be persisted in the system and will be sent in the header of each request under the following field
  ```
  Authorization: Basic <CREDENTIALS>
  ```

- None
  This option will be used in the case when the endpoint provider does not have any authentication mechanism, or the endpoint provider uses a Shared Access Signature (SAS) where the token is embedded into the URI of the endpoint.

Event Information Details

Each event published by CPQ will have the following `event_info` structure:

```
event_info {
      "webhook_id": "654td765",
      "event_id": "454td",
      "api_version": "1.0",
      "request_id": ""
}
```

Webhook ID
Unique identifier of the webhook.

Event ID
Unique identifier of the event. Every event will have an identifier.

API Version
Current document describes version 1.0 WebHook events.
Every event will have "`api_version`" property

Request ID
A dedicated field that is instantiated upon triggering of asynchronous request via Open API. E.g. duplicate version, activate version, etc.
The "`request_id`" will be part of the `event_info` structure every time the event is sent further to completion of an asynchronous Open API call.

NOTE: in case a certain field does not have a value within the CPQ system, such field will won't be sent in the event JSON body. It is relevant for all the events described below as well.

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Quote WebHooks

Draft Quote v1

Event published when user created quote and saved it as a draft, or user opened draft quote and made some changes to it. This event could occur when:
- Request received via API call
- CPQ logged-in user explicitly created new quote or modified the existing quote
- CPQ logged-in user duplicated existing quote

Format: JSON

Example:

```json
{

  "event": "draftQuote",
  "status": "Draft",
  "quote_upgrade_required": false,
  "newly_created_quote": true,
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": false,
  "executed_by": "john.smith@mydomain.com",
  "impersonated_by": "",
  "execution_date": "2021-10-22 16:39:08",
  "sync_flag": true,
  "quote_summary": {
      "currency": "USD",
      "total_list_price": 4600.00,
      "total_net_price": 3000.00,
      "total_discount": 34.78,
      "sales_discount": 34.78
  },
  "additional_data": [{
      "q1": "some text"
   },{
      "q2": "red;green;blue"
      },{
      "q3": ""
      }
  ]
}
```

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Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"draftQuote"
status	Status of the quote	no	"Draft"
quote_upgrade_required	Indicates if the quote needs to be "upgraded". For the cases when this flag is 'true', the user should access this quote and evaluate its details in context of the new active *Version* and save the changes.	no	true, false
newly_created_quote	A flag that specifies if it's a newly created quote. 'true' - for a newly created quote. 'false' - for updates of already existing draft quote	no	true, false
external_opportunity_id	External opportunity ID (CRM opportunity ID as provided during create quote call)	no	
external_quote_id	External quote ID (as provided during create quote call)	yes	
external_customer_id	External customer ID (CRM customer ID)	no	
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars

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Name	Description	Empty value	Valid Value/Format
primary_quote	Primary quote flag	no	true, false
executed_by	User login	no	
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	
execution_date	GMT date&time of quote creation/update	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
sync_flag	Flag that indicates if the user requested to sync quote data back to CRM when saving draft quote in CPQ	no	true, false
quote_summary	Quote summary	no	
	currency - quote currency	no	Currency format ISO-4217
	total_list_price - total list price of quote	no	
	total_net_price - total net price of quote	no	
	total_discount - total discount of quote	no	
	sales_discount - total discount provided by seller in quote	no	

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Name	Description	Empty value	Valid Value/Format
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

Primary Quote v1

Event published once a user/system marks the quote as primary quote.

The user can mark any quote as primary at any point during the quote lifecycle. If the opportunity has multiple quotes, only one quote can be set as primary at a time.

Note that for the scenario when Quote-A was set as primary, and now the user marked Quote-B as primary, the system will send out the "primaryQuote" event for Quote-B. There will be no special event for Quote-A. Meaning that upon the "primaryQuote" event for Quote-B the consuming system will need to interpret that Quote-A is not primary any longer.

Format: JSON

Example:

```
{
  "event": "primaryQuote",
  "status": "Draft",
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "executed_by": "john.smith@mydomain.com",
  "impersonated_by": "",
  "execution_date": "2021-10-22 16:39:08",
  "quote_summary": {
      "currency": "USD",
      "total_list_price": 4600.00,
      "total_net_price": 3000.00,
      "total_discount": 34.78,
      "sales_discount": 34.78
  },
  "additional_data": [{
      "q1": "some text"
      },{
      "q2": "red;green;blue"
      },{
      "q3": ""
      }
  ]
}
```

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Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"primaryQuote"
status	Status of the quote	no	Valid values: Draft ApprovalProcess ReadyToBeSent Rejected Recalled Published Won
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	
external_customer_id	External customer ID	no	
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars
executed_by	User login	no	
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	
execution_date	GMT date&time of quote submission	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44

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Name	Description	Empty value	Valid Value/Format
quote_summary	Quote summary	no	
	currency - quote currency	no	Currency format ISO-4217
	total_list_price - total list price of quote	no	
	total_net_price - total net price of quote	no	
	total_discount - total discount of quote	no	
	sales_discount - total discount provided by seller in quote	no	
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

Quote Pending Approval v1

The event is published when the user submits the quote that needs approval. The same event is also published upon the progress of the approval flow when each Approver approves its part.

Note that there could be a scenario when in 'one motion' the user started a new quote, answered all relevant playbook questions, and submitted this quote. In such a scenario, DealHub will publish the "quotePendingApproval" event only (the "draftQuote" event will not be sent).

The "approval_details" information will be available in the event further to the progress of the approval flow each time the relevant Approver approves his part.

Format: JSON

Example:

```json
{
  "event": "quotePendingApproval",
  "status": "ApprovalProcess",
  "newly_created_quote": false,
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": true,
  "executed_by": "john.smith@mydomain.com",
  "impersonated_by": "",
  "execution_date": "2021-10-22 16:39:08",
  "note_for_approval": "some note",
  "quote_summary": {
      "currency": "USD",
      "total_list_price": 4600.00,
      "total_net_price": 3000.00,
      "total_discount": 34.78,
      "sales_discount": 34.78
  },
  "approval_details": {
      "status": "approved"
    "reviewed_by": "john.smith1@mydomain.com",
    "impersonated_by": "sysAdmin@mydomain.com",
      "review_date": "2021-10-22 16:39:08",
      "reviewer_comment": ""
  },
  "additional_data": [{
      "system_name1.group_id.question_id": "some text"
      },{
      "group_id1.q_id2": "red;green;blue"
```

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```
      },{
      "q3": ""
      }
   ]
}
```

Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"quotePendingApproval"
status	Status of the quote	no	"ApprovalProcess"
newly_created_quote	A flag that specifies if it's a newly created quote. 'true' - if the user submitted a newly created quote. 'false' - if the user submitted an existing draft quote.	no	true, false
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	
external_customer_id	External customer ID	no	
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
primary_quote	Primary quote flag	no	true, false
dealhub_quote_id	DealHub quote ID	no	16 chars
executed_by	Login of the user who submitted the quote	no	

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Name	Description	Empty value	Valid Value/Format
impersonated_by	Login of impersonator. Relevant in the scenario when the admin switched to the login of another user and submitted the quote.	yes	
execution_date	GMT date&time of quote submission	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
note_for_approval	Note that submitter added for the approvers	yes	3000 chars
quote_summary	Quote summary	no	
	currency - quote currency	no	Currency format ISO-4217
	total_list_price - total list price of quote	no	
	total_net_price - total net price of quote	no	
	total_discount - total discount of quote	no	
	sales_discount - total discount provided by seller in quote	no	
approval_details	Related details of approval step:	yes	
	status - status of the specific step within approval flow	no	"approved"

Name	Description	Empty value	Valid Value/Format
	reviewed_by - login of the approving/rejecting person	no	
	impersonated_by - login of the person who approved/rejected quote on behalf of approver	yes	
	review_date - time of approval/rejection	no	yyyy-mm-dd hh:mm:ss
	reviewer_comment - note that reviewer added during approval/rejection	yes	
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

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Quote Ready v1

The event is published once the quote is ready to be shared with the customer.

This event can occur in the following scenarios:

- The user submitted a newly created quote, which does not require approval.
- The user submitted an existing draft quote, which does not require approval.
- The quote is approved. Details of the last Approver will be provided within the "approval_details" field.

Format: JSON

Example:

```
{
  "event": "quoteReady",
  "status": "ReadyToBeSent",
  "newly_created_quote": false,
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": true,
  "quote_summary": {
      "currency": "USD",
      "total_list_price": 4600.00,
      "total_net_price": 3000.00,
      "total_discount": 34.78,
      "sales_discount": 34.78
  },
  "approval_details": {
      "status": "approved"
      "reviewed_by": "john.smith1@mydomain.com",
      "impersonated_by": "sysAdmin@mydomain.com",
      "review_date": "2021-10-22 16:39:08",
      "reviewer_comment": ""
  },
  "additional_data": [{
      "q1": "some text"
      },{
      "q2": "red;green;blue"
      },{
      "q3": ""
      }
  ]
}
```

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Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"quoteApproved"
status	Status of the quote	no	"ReadyToBeSent"
newly_created_quote	A flag that specifies if it's a newly created quote. 'true' - if the user submitted a newly created quote, which doesn't need approval.	no	true, false
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	
external_customer_id	External customer ID	no	
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars
primary_quote	Primary quote flag	no	true, false
executed_by	Login of the user who submitted the quote	yes	Relevant for the scenario when the user submitted a draft quote and no approval required
impersonated_by	Login of impersonator. Relevant in the scenario when the admin switched to the login of another user and submitted the quote.	yes	Relevant for the scenario when the user submitted a draft quote and no approval required

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Name	Description	Empty value	Valid Value/Format
execution_date	GMT date&time of quote submission	yes	Relevant for the scenario when the user submitted a draft quote and no approval required
quote_summary	Quote summary	no	
	currency - quote currency	no	Currency format ISO-4217
	total_list_price - total list price of quote	no	
	total_net_price - total net price of quote	no	
	total_discount - total discount of quote	no	
	sales_discount - total discount provided by seller in quote	no	
approval_details	Related details of approval step:	no	
	status - status of the specific step within approval flow	no	"approved"
	reviewed_by - login of the approving/rejecting person	no	
	impersonated_by - login of the person who approved/rejected quote on behalf of approver	yes	

Name	Description	Empty value	Valid Value/Format
	review_date - time of approval/rejection	no	yyyy-mm-dd hh:mm:ss
	reviewer_comment - note that reviewer added during approval/rejection	yes	
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

Quote Rejected v1

The event is published when the quote is rejected (one of the approvers rejected the quote).

Format: JSON

Example:

```
{
  "event": "quoteRejected",
  "status": "Rejected",
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": true,
  "approval_details": {
      "status": "rejected"
      "reviewed_by": "john.smith2@mydomain.com",
      "impersonated_by": "",
```

```
        "review_date": "2021-10-24 09:39:08",
        "reviewer_comment": "Low revenue."
    },
    "additional_data": [{
        "q1": "some text"
        },{
        "q3": ""
        }]
}
```

Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"quoteRejected"
status	Status of the quote	no	"Rejected"
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	
external_customer_id	External customer ID	no	
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars
primary_quote	Primary quote flag	no	true, false
approval_details	List of approvers and related details:	no	
	status - status of the specific step within approval flow	no	"rejected"
	reviewed_by - login of the approving/rejecting person	no	

Name	Description	Empty value	Valid Value/Format
	impersonated_by - login of the person who approved/rejected quote on behalf of approver	yes	
	review_date - time of approval/rejection	no	yyyy-mm-dd hh:mm:ss
	reviewer_comment - note that reviewer added during rejection	no	
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

Quote Recalled v1

The event is published once the user requested to cancel the quote.

Format: JSON

Example:

```
{
  "event": "quoteRecalled",
  "status": "Recalled",
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": true,
  "executed_by": "john.smith@mydomain.com",
  "impersonated_by": "",
  "execution_date": "2021-10-22 16:39:08",
  "additional_data": [{
      "q1": "some text"
      },{
      "q2": "red;green;blue"
      },{
      "q3": ""
      }
  ]
}
```

Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"quoteRecalled"
status	Quote status	no	"Recalled"
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	
external_customer_id	External customer ID	no	

Name	Description	Empty value	Valid Value/Format
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars
primary_quote	Primary quote flag	no	true, false
executed_by	Login of the user who recalled the quote	no	
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	
execution_date	GMT date&time of quote recall	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

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Quote Published v1

The event is sent once the quote is published to DealRoom.

Format: JSON

Example:

```json
{
  "event": "quotePublished",
  "status": "Published",
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": true,
  "executed_by": "john.smith@mydomain.com",
  "impersonated_by": "",
  "execution_date": "2021-10-22 16:39:08",
  "dealroom_id" : "657657676898",
  "dealroom_url" : "http://dealroom.dealhub.io",
  "additional_data": [{
      "q1": "some text"
      },{
      "q2": "red;green;blue"
      },{
      "q3": ""
      }
  ]
}
```

Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"quotePublished"
status	Status of the quote	no	"Published"
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	

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Name	Description	Empty value	Valid Value/Format
external_customer_id	External customer ID	no	
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars
primary_quote	Primary quote flag	no	true, false
executed_by	Login of user who published the quote	no	
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	
execution_date	GMT date&time of quote publishing	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
dealroom_id	ID of the quote's DealRoom	no	16 chars
dealroom_url	URL of the quote's DealRoom	no	
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

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Quote Unpublished v1

The event is sent if the user unpublished the DealRoom.

Format: JSON

Example:

```
{
  "event": "quoteUnpublished",
  "status": "ReadyToBeSent",
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": true,
  "executed_by": "john.smith@mydomain.com",
  "impersonated_by": "",
  "execution_date": "2021-10-22 16:39:08",
  "dealroom_id" : "657657676898",
  "additional_data": [{
      "q1": "some text"
      },{
      "q2": "red;green;blue"
      },{
      "q3": ""
      }
  ]
}
```

Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"quoteUnpublished"
status	Status of the quote	no	"ReadyToBeSent"
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	

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Name	Description	Empty value	Valid Value/Format
external_customer_id	External customer ID	no	
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars
primary_quote	Primary quote flag	no	true, false
executed_by	Login of user who unpublished the quote	no	
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	
execution_date	GMT date&time of quote unpublishing	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
dealroom_id	ID of the quote's DealRoom	no	16 chars
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

Quote Won v1

The event is published once the quote gets signed (either via DealRoom or externally).

Format: JSON

Example:

```
{
  "event": "quoteWon",
  "status": "Won",
  "external_opportunity_id": "786865656565",
  "external_quote_id": "",
  "external_customer_id": "65545425413",
  "dealhub_opportunity_id": "2323232565685498",
  "dealhub_quote_id": "6563232565685498",
  "primary_quote": true,
  "execution_date": "2021-10-22 16:39:08",
  "executed_by": "john@mydomain.com",
  "impersonated_by": "",
  "additional_data": [{
      "q1": "some text"
      },{
      "q2": "red;green;blue"
      },{
      "q3": ""
      }
  ]
}
```

Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"quoteWon"
status	Quote status	no	"Won"
external_opportunity_id	External opportunity ID	no	
external_quote_id	External quote ID	yes	
external_customer_id	External customer ID	no	

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Name	Description	Empty value	Valid Value/Format
dealhub_opportunity_id	DealHub opportunity ID	no	16 chars
dealhub_quote_id	DealHub quote ID	no	16 chars
primary_quote	Primary quote flag	no	true, false
execution_date	GMT date&time of quote getting signed	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
executed_by	Login of the user if action was performed by the user explicitly (scenario when user explicitly confirmed that quote was signed externally), otherwise value will be "SYSTEM" (e.g. all signers within the DealRoom signed the contract)	yes	"SYSTEM" or login of the user
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	
additional_data	List of playbook questions/answers. This list is custom per account. Each element in the list consists of a key/value pair. If a specific question has multiple answers (multi-select), the answer values will be semicolon-separated.	yes	

Version WebHooks

Version v1

The event gets published upon different activities around the *Version* entity in the DealHub. For example, the administrator created a new version / activated a version / deactivated an active version.

Version event with action "created" will be fired in case a new version was created from scratch or in case it was created further to the duplication of an already existing version.

Format: JSON

Example:

```
{
  "event": "version",
  "action": "created",
  "status": "draft",
  "version_id": "786865656565",
  "version_name": "some name",
  "execution_date": "2021-10-22 16:39:08",
  "executed_by": "john.smith@mydomain.com",
  "impersonated_by": ""
}
```

Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"version"
action	Action performed on the specific version	no	"created", "activated", "reactivated"
status	Version status	no	"draft", "active", "deactivated"
version_id	ID of the version	no	16 chars

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Name	Description	Empty value	Valid Value/Format
version_name	Name of the version	no	
execution_date	GMT date&time of concrete action	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
executed_by	Login of administrator that performed specific action	no	
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	

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Products Upload v1

The event gets published once SFTP files upload is complete.

As SFTP files upload mechanism loads the data to every draft *Version* that is available for the account at the moment files are uploaded. Upon upload process completion the "productsUpload" event will be published for each such draft *Version*.

Each "productsUpload" event will ALWAYS contain a `"request_id"` field under the `"event_info"` structure (see Event Information Details), which will help the consuming system to differentiate between various asynchronous upload requests.

In case of SFTP upload, files that are dropped into the SFTP folder should be using a naming convention like '*triggerImport_{**TimeInMilliseconds}.txt*' in order to provide a unique identifier for each upload attempt. The value of the unique identifier will be assigned to a `"request_id"` field under the `"event_info"` structure. Upon

FUTURE: Once the upload process will be triggered via the Open API, the payload response will include "requestID" assigned to this asynchronous API request. Upon upload job completion, this "requestID" will be published in the "productsUpload" event as a `"request_id"` field under the `"event_info"` structure.

Format: JSON

Success example:

```
{
  "event": "productsUpload",
  "upload_status": "success",
  "version_id": "786865656565",
  "version_name": "some name",
  "imported_skus": "34"
}
```

Error example:

```
{

  "event": "productsUpload",
  "upload_status": "error",
  "version_id": "786865656568",
  "version_name": "master_version_2503",
  "imported_skus": "29",
  "errors": "4"
}
```

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Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"productsUpload"
upload_status	Status of the products data upload	no	"success", "error"
version_id	ID of the version	no	16 chars
version_name	Name of the version	no	
imported_skus	Number of the lines (SKUs) loaded to the *Version*	no	
errors	Number of the lines (SKUs) that could not be loaded to the *Version.* Zero in case of success.	no	

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User Entity WebHooks

User v1

The event is sent upon specific action that was performed in the system on the user entity. Actions can be:

- User was created
- User was modified (some fields were updated, user marked by admin as inactive, user marked by admin as active
- User was deleted

Following user types can be created in the DealHub platform:

- Sales rep
- Administrator
- DealRoom user (the user of selling organization was invited to the DealRoom),
- Partner user

Format: JSON

Examples:

```
{
  "event": "user",
  "action": "created",
  "user_external_id": "",
  "user_id": "786865656908",
  "user_login": "James_Parker",
  "execution_date": "2021-10-22 16:39:08",
  "executed_by": "SYSTEM"
}

{
  "event": "user",
  "action": "modified",
  "user_external_id": "kjnk43nk443",
  "user_id": "786865656565",
  "user_login": "James_Parker",
  "execution_date": "2021-10-22 16:39:08",
  "executed_by": "john.smith@mydomain.com"
}
```

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Fields details:

Name	Description	Empty value	Valid Value/Format
event	Business event type	no	"user"
action	Specific action	no	"created", "modified", "deleted"
user_external_id	External (CRM) ID of the user. ID is persisted in DealHub when the user is created via "authentication" or other relevant API. This field will be empty when the user is created by CPQ internal processes (i.e. administrator created user via CPQ UI, the non-existing user of the selling organization is invited to the DealRoom, etc)	yes	
user_id	DealHub user ID	no	16 chars
user_login	Login of the user in the DealHub	no	
execution_date	GMT date&time of concrete action	no	yyyy-mm-dd hh:mm:ss E.g: 2021-10-22 09:34:44
executed_by	Login of the administrator if action was performed by administrator explicitly, otherwise value will be "SYSTEM" (e.g. system creates new sales rep user upon first authentication)	no	"SYSTEM" or login of the administrator

Name	Description	Empty value	Valid Value/Format
impersonated_by	Login of impersonator. Relevant in case admin switched to the login of another user.	yes	

Failure WebHook v1

The event is sent if the system fails to execute an asynchronous API request.

For example, the system got a request to duplicate version, activate version etc.

Format: JSON

Expected response example:
```
{
  "error_description": "",
  "error_code": ""
}
```

Response details

Name	Description	Empty value	Valid Values/Notes
error_description	Description of the error is request status "failed"	yes	
error_code	Code of the error is request status "failed"	yes	