

moDel Standard Integration Specification

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Alex Evans	2023-07-20	0.1	Initial draft
Alex Evans	2023-10-11	0.2	7.0 – Updated Error codes
Alex Evans	2023-11-15	0.3	5.5 – Added Get Document PDF (base64)
Alex Evans	2023-11-30	0.4	5.1 – Added Get the job billing data 6.1 – Added Get Expenses data for the job

1.0 Introduction

How to use moDel web API

To use moDel Web API, you must have a license to use the APIs and also be familiar with the following:

1. How to use the HTTP Header token authentication
2. Must know how to call the HTTP verbs
3. You must be able to create JSON objects and consume it from your client application

Group rules

1. All the restricted APIs must be called by sending the authentication token in HTTP header. You get the authentication token by calling the token API. The authentication token can be set by setting "Authorization" field in header to "bearer <your token>".
2. All data posted to APIs should use JSON format. All of the data returned is in JSON format too.

2.0 Token API

This API should be called for user login. If the provided input is correct, you should get an authentication token that you can use for subsequent calls to restricted APIs.

Path: <baseUrl>/api/v1/token
Method: Post

Input
Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
username	username	String	Y
password	password	String	Y

Example object:

```
{
  "username": "testUsername",
  "password": "testPassword"
}
```

Output
You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]		
token [payload]	token	String
expiration [payload]	expiration	Datetime

Example object:

```
{
  "success": true,
  "payload": {
    "token": "token",
    "expiration": "2023-07-19T19:51:42Z"
  }
}
```

2.1 Accessing restricted APIs using HTTP bearer authentication

Restricted moDel Web API use HTTP Bearer Authentication for authenticating and authorizing data requests.

Bearer authentication does not require cookies or session identifiers. Bearer authentication is an authentication scheme that uses bearer token to authenticate requests. The bearer token should be included in the request header, specifically the "Authorization" header, and it acts as proof of authentication for the client.

The call to the token API should return a token is login was successful. This token should then be set for all requests to restricted APIs in Authorization field of HTTP header as follows:

Authorization: Bearer <moDel bearer token>

Example:

```
Authorization: Basic tokenString
```

3.0 Subscription API

This API should be called to list, subscribe or delete a subscription to one of the moDel callbacks.

A callback is a function or piece of code that is passed as an argument to another function. The purpose of a callback is to specify a behavior or action that should be executed at a certain point in the programs execution or in response to a specific event. The events supported in moDel callbacks are as follows:

- 1. DeliveryDateChanged
- 2. DeliveryAddressChanged
- 3. ItemDetailsChanged
- 4. JobStatusChanged
- 5. CollectionAddressChanged
- 6. CollectionDateChanged

3.1 Get list of subscribed events

Path: <baseUrl>/api/v1/subscription
Method: Get

Output
You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [array]		
event name	event	String
callback endpoint	callbackUrl	String

Example object:

```
{
  "success": true,
  "payload": [
    {
      "event": "DeliveryDateChanged",
      "callbackUrl": "https://ebbon-group-endpoint.com"
    },
    {
      "event": "DeliveryAddressChanged",
      "callbackUrl": "https://ebbon-group-endpoint.com"
    },
    {
      "event": "ItemDetailsChanged",
      "callbackUrl": "https://ebbon-group-endpoint.com"
    },
    {
      "event": "JobStatusChanged",
      "callbackUrl": "https://ebbon-group-endpoint.com"
    },
    {
      "event": "CollectionAddressChanged",
      "callbackUrl": "https://ebbon-group-endpoint.com"
    },
    {
      "event": "CollectionDateChanged",
      "callbackUrl": "https://ebbon-group-endpoint.com"
    }
  ]
}
```

3.2 Subscribe to event

Path: <baseUrl>/api/v1/subscription

Method: Post

Input

Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
event name – See Subscription	event	String	Y
callback endpoint	callbackUrl	String	Y
headers [object]	headers		N

Example object:

```
{
  "event": "CollectionAddressChanged",
  "callbackUrl": "https://ebbon-group-endpoint.com",
  "headers": {
    "Authorization": "testHeaderValue",
  }
}
```

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload	payload	

Example object:

```
{
  "success": true,
  "payload": null
}
```

3.3 Unsubscribe from event

Path: <baseUrl>/api/v1/subscription

Method: Delete

Input

Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
event name – See Subscription	event	String	Y

Example object:

```
{
  "event": "DeliveryDateChanged"
}
```

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload	payload	

Example object:

```
{
  "success": true,
  "payload": null
}
```

4.0 Job API

The Job api is used to complete the following actions:

1. Share Job or Import job from Leaselink
2. Assign an agent to a job
3. Get job details
4. Create a new job
5. Update an existing job

4.1 Share Job or import from LL

Path: <baseUrl>/api/v1/job/import

Method: Put

Input

Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
moDel VM Account Id	modelVMID	String	Y
Country Code	countryCode	String	N
Registration number	uniqueIdentifier	String	Y
Pin code	pinCode	String	Y

Example object:

```
{
  "moDelVMID": "12345",
  "countryCode": "GB",
  "uniqueIdentifier": "RG23RTY",
  "pinCode": "1234567"
}
```

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
success	success	Boolean
payload [object]		
jobSummary [object in payload]		
orderNumber	orderNumber	String
status	status	String
jobType	jobType	String
jobProfile	jobProfile	String
availableDate	availableDate	Datetime
dateRequired	dateRequired	Datetime
agentName	agentName	String
notes	notes	String
specialNotes	specialNotes	String
defaultCCEmail	defaultCCEmail	String
ItemDetails [object in payload]		
itemType	itemType	String

damageTree	damageTree	String
description1	description1	String
description2	description2	String
description3	description3	String
description4	description4	String
uniqueIdentifier	uniqueIdentifier	String
pinCode	pinCode	String
code	code	String
chassisNumber	chassisNumber	String
isReturn	isReturn	Boolean
linkedUniqueIdentifier	linkedUniqueIdentifier	String
clientDetails [object in payload]		
clientName	clientName	String
clientJobType	clientJobType	String
CollectionDetails [object in payload]	collectionDetails	
address1	address1	String
address2	address2	String
town	town	String
county	county	String
country	country	String
postCode	postCode	String
contactName	contactName	String
contactTelephone	contactTelephone	String
contactEmail	contactEmail	String
deliveryDetails [object in payload]		
address1	address1	String
address2	address2	String
town	town	String
county	county	String
country	country	String
postCode	postCode	String
contactName	contactName	String
contactTelephone	contactTelephone	String
contactEmail	contactEmail	String
deliveryRequirements [object in payload]		
deliveryTime	deliveryTime	String
deliveryMethod	deliveryMethod	String
additionalDetails [array in payload]		
key	key	String
type	type	String
label	label	String
value	value	String
linkedVehicle [object in payload]		
jobSummary [object in linkedVehicle]		
orderNumber	orderNumber	String
status	status	String
jobType	jobType	String
jobProfile	jobProfile	String
availableDate	availableDate	Datetime
dateRequired	dateRequired	Datetime
agentName	agentName	String
notes	notes	String
specialNotes	specialNotes	String
defaultCCEmail	defaultCCEmail	String
ItemDetails [object in linkedVehicle]		
itemType	itemType	String
damageTree	damageTree	String
description1	description1	String
description2	description2	String
description3	description3	String
description4	description4	String
uniqueIdentifier	uniqueIdentifier	String
pinCode	pinCode	String
code	code	String

chassisNumber	chassisNumber	String
isReturn	isReturn	Boolean
linkedUniquelIdentifier	linkedUniquelIdentifier	String
clientDetails [object in linkedVehicle]		
clientName	clientName	String
clientJobType	clientJobType	String
CollectionDetails [object in linkedVehicle]		
address1	address1	String
address2	address2	String
town	town	String
county	county	String
country	country	String
postCode	postCode	String
contactName	contactName	String
contactTelephone	contactTelephone	String
contactEmail	contactEmail	String
DeliveryDetails [object in linkedVehicle]		
address1	address1	String
address2	address2	String
town	town	String
county	county	String
country	country	String
postCode	postCode	String
contactName	contactName	String
contactTelephone	contactTelephone	String
contactEmail	contactEmail	String
deliveryRequirements [object in linkedVehicle]		
deliveryTime	deliveryTime	String
deliveryMethod	deliveryMethod	String

Example object:

```
{
  "success": true,
  "payload": {
    "jobSummary": {
      "orderNumber": "Alex220",
      "status": "NotStarted",
      "jobType": "Leaselink",
      "jobProfile": "Movement",
      "availableDate": null,
      "dateRequired": "2023-01-25T00:00:00",
      "agentName": null,
      "notes": "testing ",
      "specialNotes": null,
      "defaultCCEmail": null
    },
    "itemDetails": {
      "itemType": "Car",
      "damageTree": null,
      "description1": "JAGUAR",
      "description2": "E-PACE DIESEL ESTATE",
      "description3": "2.0d 5dr 2WD",
      "description4": "Metallic - Corris grey",
      "uniquelIdentifier": "AL10BOB",
      "pinCode": "123456",
      "code": null,
      "chassisNumber": "85641289653217456",
      "isReturn": false
    },
    "clientDetails": {
      "clientName": null,
      "clientJobType": null
    },
    "collectionDetails": {
```

```
"address1": "Add1",
"address2": "Add2",
"town": "Add3",
"county": "Add4",
"country": null,
"postCode": "OX13 6FD",
"contactName": "Primary Contact ",
"contactTelephone": "01993000000",
"contactEmail": "uatautomation@ebbon-dacs.com"
},
"deliveryDetails": {
  "address1": "Address1",
  "address2": "Address 2",
  "town": "Add3",
  "county": "Add4",
  "country": null,
  "postCode": "OX18 1NH",
  "contactName": "Driver First Driver Last",
  "contactTelephone": "01865000000",
  "contactEmail": "uatsupport@ebbon-dacs.com"
},
"deliveryRequirements": {
  "deliveryTime": null,
  "deliveryMethod": null
},
"additionalDetails": [],
"linkedVehicle": {
  "jobSummary": {
    "orderNumber": "Alex220",
    "status": "NotStarted",
    "jobType": "Leaselink",
    "jobProfile": "Movement",
    "availableDate": "2023-01-25T00:00:00",
    "dateRequired": "2023-01-25T00:00:00",
    "agentName": null,
    "notes": "testing ",
    "specialNotes": null,
    "defaultCCEmail": null
  },
  "itemDetails": {
    "itemType": "Car",
    "damageTree": null,
    "description1": "CITROEN",
    "description2": "DS4",
    "description3": "1.8 BlueHdi",
    "description4": "Black",
    "uniqueIdentifier": "OE13GHD",
    "pinCode": "123654",
    "code": null,
    "chassisNumber": null,
    "isReturn": true
  },
  "clientDetails": {
    "clientName": null,
    "clientJobType": null
  },
  "collectionDetails": {
    "address1": "Address1",
    "address2": "Address 2",
    "town": "Add3",
    "county": "Add4",
    "country": null,
    "postCode": "OX18 1NH",
    "contactName": "Driver First Driver Last",
    "contactTelephone": "01865000000",
    "contactEmail": "uatsupport@ebbon-dacs.com"
  }
},
```

```

    "deliveryDetails": {
      "address1": "Add11",
      "address2": "Add22",
      "town": "Townnn",
      "county": "County",
      "country": null,
      "postCode": "OX18 1HE",
      "contactName": "",
      "contactTelephone": null,
      "contactEmail": null
    },
    "deliveryRequirements": {
      "deliveryTime": null,
      "deliveryMethod": null
    }
  }
}

```

4.2 Assign Agent to the Job

Path: <baseUrl>/api/v1/job/agent

Method: Put

Input

Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
moDel VM Account Id	modelVMID	String	Y
Country Code	countryCode	String	N
Registration number	uniqueIdentifier	String	Y
Pin code	pinCode	String	Y
Agent Id	agentId	uuid	Y
Reassign	reAssign	boolean	N

Example object:

```

{
  "moDelVMID": "4593",
  //"countryCode": "<string>",
  "uniqueIdentifier": "KR21NTL",
  "pinCode": "1234567",
  "agentId": "03e60f12-d4a3-4939-a2da-f5877c343600",
  "reAssign": "false"
}

```

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Order number	orderNumber	String
Registration number	uniqueIdentifier	String
Driver name	driverName	String

Example object:

```
{
  "success": true,
  "payload": {
    "orderNumber": "21449723",
    "uniqueIdentifier": "KR23RTH",
    "driverName": "4594 Agent"
  }
}
```

4.3 Get Job Details

Path: <baseUrl>/api/v1/job

Method: Get

Input

Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
moDel VM Account Id	modelVMID	String	Y
Country Code	countryCode	String	N
Registration number	uniqueIdentifier	String	Y
Pin code	pinCode	String	Y

Example:

GET {{baseUrl}}/api/v1/job?MoDelVMID=4604&UniqueIdentifier=KR21NNN&PinCode=1234567

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	MoDelVMID	4604
<input type="checkbox"/>	CountryCode	GB
<input checked="" type="checkbox"/>	UniqueIdentifier	KR21NNN
<input checked="" type="checkbox"/>	PinCode	1234567
	Key	Value

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Order number	orderNumber	String
Status	status	String
Job type	jobType	String
Job profile	jobProfile	String
Available date	availableDate	Datetime
Date required	dateRequired	Datetime
Agent name	agentName	String
Notes	notes	String
Special notes	specialNotes	String
Details CC email	defaultCCEmail	String
Item Details [Object in payload]		
Item type	itemType	String
Damage tree	damageTree	String

Description 1	description1	String
Description 2	description2	String
Description 3	description3	String
Description 4	description4	String
Registration number	uniqueIdentifier	String
Pin code	pinCode	String
Code	code	String
Chassis number	chassisNumber	String
Is return	isReturn	Boolean
Client details [object in payload]	clientDetails	
Client name	clientName	String
Client job type	clientJobType	String
Collection details [object in payload]	collectionDetails	
Address 1	address1	String
Address 2	address2	String
Town	town	String
County	county	String
Country	country	String
Postcode	postcode	String
Contact name	contactName	String
contact telephone	contactTelephone	String
Contact email	contactEmail	String
Delivery details [object in payload]	deliveryDetails	
Address 1	address1	String
Address 2	address2	String
Town	town	String
County	county	String
Country	country	String
Postcode	postcode	String
Contact name	contactName	String
contact telephone	contactTelephone	String
Contact email	contactEmail	String
Delivery requirements [object in payload]		
Delivery time	deliveryTime	String
Delivery method	deliveryMethod	String
Additional details [array in payload]	additionalDetails	
key	key	String
type	type	String
label	label	String
value	value	String
Linked vehicle [object in payload]	linkedVehicle	
Job summary [object in linkedVehicle]		
Order number	orderNumber	String
Status	status	String
Job type	jobType	String
Job profile	jobProfile	String
Available date	availableDate	Datetime
Date required	dateRequired	Datetime
Agent name	agentName	String
Notes	notes	String
Special notes	specialNotes	String
Details CC email	defaultCCEmail	String
Item details [object in linkedVehicle]	ItemDetails	
Item type	itemType	String
Damage tree	damageTree	String
Description 1	description1	String
Description 2	description2	String
Description 3	description3	String
Description 4	description4	String
Registration number	uniqueIdentifier	String
Pin code	pinCode	String
Code	code	String
Chassis number	chassisNumber	String
Is return	isReturn	Boolean

Linked unique identifier	linkedUniqueIdentifier	String
Client details [object in linkedVehicle]		
Client name	clientName	String
Client job type	clientJobType	String
Collection details [object in linkedVehicle]		
Address 1	address1	String
Address 2	address2	String
Town	town	String
County	county	String
Country	country	String
Postcode	postcode	String
Contact name	contactName	String
Contact telephone	contactTelephone	String
Contact email	contactEmail	String
Delivery details [object in linkedVehicle]	deliveryDetails	
Address 1	address1	String
Address 2	address2	String
Town	town	String
County	county	String
Country	country	String
Postcode	postcode	String
Contact name	contactName	String
Contact telephone	contactTelephone	String
Contact email	contactEmail	String
Delivery requirements [object in linkedVehicle]	deliveryRequirements	
Delivery time	deliveryTime	String
Delivery method	deliveryMethod	String

Example object:

```
{
  "success": true,
  "payload": {
    "jobSummary": {
      "orderNumber": "56819879",
      "status": "NotStarted",
      "jobType": "Default",
      "jobProfile": "Movement",
      "availableDate": "2023-07-17T00:00:00",
      "dateRequired": "2023-07-17T00:00:00",
      "agentName": null,
      "notes": null,
      "specialNotes": "special notes",
      "defaultCCEmail": "uatautomation@ebbon-dacs.com"
    },
    "itemDetails": {
      "itemType": "Car",
      "damageTree": null,
      "description1": "BMW",
      "description2": "3 Series Touring",
      "description3": "2.0 M Sport",
      "description4": "Metallic - Black",
      "uniqueIdentifier": "KR21VIS",
      "pinCode": "9128213",
      "code": "code",
      "chassisNumber": "HGYTJGHY343212345",
      "isReturn": false
    },
    "clientDetails": {
      "clientName": "clientName",
      "clientJobType": "clientJobType"
    },
    "collectionDetails": {
      "address1": "Address1",
      "address2": "Address2",

```

```

    "town": "Town",
    "county": "County",
    "country": "Country",
    "postCode": "OX136FD",
    "contactName": "ContactName",
    "contactTelephone": "0000",
    "contactEmail": "uatautomation@ebbon-dacs.com"
  },
  "deliveryDetails": {
    "address1": "Address1",
    "address2": "Address2",
    "town": "Town",
    "county": "County",
    "country": "Country",
    "postCode": "OX13 6FD",
    "contactName": "ContactName",
    "contactTelephone": "0000",
    "contactEmail": "uatautomation@ebbon-dacs.com"
  },
  "deliveryRequirements": {
    "deliveryTime": "AM",
    "deliveryMethod": "Driven"
  },
  "additionalDetails": []
}

```

4.4 Create new Job

Path: <baseUrl>/api/v1/job

Method: Post

Input

Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
moDel VM Account Id	modelVMID	String	Y
Dealer code	dealerCode	String	
Country code	countryCode	String	
Submission	submission	Datetime	
Job profile	jobProfile	String	
Job header [object]	jobHeader		
Order number	orderNumber	String	
Status	status	String	
Job type	jobType	String	
UTC available date	utcAvailableDate	Datetime	
UTC date required	utcDateRequired	Datetime	
Notes	notes	String	
Special notes	specialNotes	String	
Default CC email	defaultCCEmail	String	
Client details [object]	clientDetails		
Client name	clientName	String	
Client job type	clientJobType	String	
Item details [object]	itemDetails		
Item type	itemType	String	
Damage tree	damageTree	String	
Description 1	description1	String	
Description 2	description2	String	
Description 3	description3	String	
Description 4	description4	String	
Registration number	uniqueIdentifier	String	
Pin code	pinCode	String	
Code	code	String	

Chassis number	chassisNumber	String	
Is return	isReturn	Boolean	
Linked unique identifier	linkedUniqueIdentifier	String	
Delivery requirements [object]	deliveryRequirements		
Delivery time	deliveryTime	String	
Delivery method	deliveryMethod	String	
Collection details [object]	collectionDetails		
Address 1	address1	String	
Address 2	address2	String	
Town	town	String	
County	county	String	
Country	country	String	
Postcode	postcode	String	
Contact name	contactName	String	
Contact telephone	contactTelephone	String	
Contact email	contactEmail	String	
Delivery details [object]	deliveryDetails		
Address 1	address1	String	
Address 2	address2	String	
Town	town	String	
County	county	String	
Country	country	String	
Postcode	postcode	String	
Contact name	contactName	String	
Contact telephone	contactTelephone	String	
Contact email	contactEmail	String	
Additional details [array]	additionalDetails		
Key	key	String	
Type	type	String	
Label	label	String	
Value	value	String	
Return vehicle [object]	returnVehicle		
Job header [object in returnVehicle]	jobHeader		
Order number	orderNumber	String	
Status	status	String	
Job type	jobType	String	
UTC available date	utcAvailableDate	Datetime	
UTC date required	utcDateRequired	Datetime	
Notes	notes	String	
Special notes	specialNotes	String	
Default CC email	defaultCCEmail	String	
Item details [object in returnVehicle]	itemDetails		
Item type	itemType	String	
Damage tree	damageTree	String	
Description 1	description1	String	
Description 2	description2	String	
Description 3	description3	String	
Description 4	description4	String	
Registration number	uniqueIdentifier	String	
Pin code	pinCode	String	
Code	code	String	
Chassis number	chassisNumber	String	
Is return	isReturn	Boolean	
Linked unique identifier	linkedUniqueIdentifier	String	
Delivery requirements [object in returnVehicle]	deliveryRequirements		
Delivery time	deliveryTime	String	
Delivery method	deliveryMethod	String	
Collection details [object in returnVehicle]	collectionDetails		
Address 1	address1	String	
Address 2	address2	String	
Town	town	String	
County	county	String	
Country	country	String	
Postcode	postcode	String	

Contact name	contactName	String	
Contact telephone	contactTelephone	String	
Contact email	contactEmail	String	
Delivery details [object in returnVehicle]	DeliveryDetails		
Address 1	address1	String	
Address 2	address2	String	
Town	town	String	
County	county	String	
Country	country	String	
Postcode	postcode	String	
Contact name	contactName	String	
Contact telephone	contactTelephone	String	
Contact email	contactEmail	String	

Example object:

```
{
  "moDelVMID": "4603",
  "dealerCode": "ALEX001",
  "countryCode": "GB",
  "submission": "{{currentDate}}",
  "jobProfile": "Movement",
  "jobHeader": {
    "orderNumber": "{{randomOrderNo}}",
    "status": 1,
    "jobType": "Default",
    "utcAvailableDate": "{{currentDate}}",
    "utcDateRequired": "{{currentDate}}",
    "notes": "notes",
    "specialNotes": "special notes",
    "defaultCCEmail": "uatautomation@ebbon-dacs.com"
  },
  "clientDetails": {
    "clientName": "clientName",
    "clientJobType": "clientJobType"
  },
  "itemDetails": {
    "itemType": "Car",
    "damageTree": "<string>",
    "description1": "BMW",
    "description2": "3 Series Touring",
    "description3": "2.0 M Sport",
    "description4": "Metallic - Black",
    "uniqueIdentifier": "KR23RTL",
    "pinCode": "345456",
    "code": "code",
    "chassisNumber": "HGYTJGHY343212345",
    "isReturn": false,
    "linkedUniqueIdentifier": null
  },
  "deliveryRequirements": {
    "deliveryTime": "AM",
    "deliveryMethod": "Driven"
  },
  "collectionDetails": {
    "address1": "Address1",
    "address2": "Address2",
    "town": "Town",
    "county": "County",
    "country": "Country",
    "postCode": "OX136FD",
    "contactName": "ContactName",
    "contactTelephone": "0000",
    "contactEmail": "uatautomation@ebbon-dacs.com"
  }
}
```

```
"deliveryDetails": {
  "address1": "Address1",
  "address2": "Address2",
  "town": "Town",
  "county": "County",
  "country": "Country",
  "postCode": "OX13 6FD",
  "contactName": "ContactName",
  "contactTelephone": "0000",
  "contactEmail": "uatautomation@ebbon-dacs.com"
},
"additionalDetails": [
  {
    "key": "<string>",
    "type": "<string>",
    "label": "<string>",
    "value": "<string>"
  },
  {
    "key": "<string>",
    "type": "<string>",
    "label": "<string>",
    "value": "<string>"
  }
],

"returnVehicle": {
  "jobHeader": {
    "orderNumber": "{{randomOrderNo}}",
    "status": 3,
    "jobType": "Default",
    "utcAvailableDate": "{{currentDate}}",
    "utcDateRequired": "{{currentDate}}",
    "notes": "notes",
    "specialNotes": "SpecialNotes",
    "defaultCCEmail": "uatautomation@ebbon-dacs.com"
  },
  "itemDetails": {
    "itemType": "Car",
    "damageTree": "<string>",
    "description1": "BMW",
    "description2": "3 Series Touring",
    "description3": "2.0 M Sport",
    "description4": "Metallic - Black",
    "uniqueIdentifier": "KR23RTH",
    "pinCode": "457699",
    "code": "code",
    "chassisNumber": "GHNVBNGHJU3432123",
    "isReturn": true,
    "linkedUniqueIdentifier": null
  },
  "deliveryRequirements": {
    "deliveryTime": "AM",
    "deliveryMethod": "Driven"
  },
  "collectionDetails": {
    "address1": "Address1",
    "address2": "Address2",
    "town": "Town",
    "county": "County",
    "country": "Country",
    "postCode": "OX13 6FD",
    "contactName": "ContactName",
    "contactTelephone": "0000",
    "contactEmail": "uatautomation@ebbon-dacs.com"
  },
}
```

```
"deliveryDetails": {  
  "address1": "Address1",  
  "address2": "Address2",  
  "town": "Town",  
  "county": "County",  
  "country": "Country",  
  "postCode": "OX13 6FD",  
  "contactName": "ContactName",  
  "contactTelephone": "0000",  
  "contactEmail": "uatautomation@ebbon-dacs.com"  
}
```

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Order number	orderNumber	String
Registration number	uniqueIdentifier	String
UTC date required	utcDateRequired	Datetime
Pin code	pinCode	String
Return unique identifier	returnUniqueIdentifier	String
Return date required	returnDateRequired	Datetime

Example object:

```
{  
  "success": true,  
  "payload": {  
    "orderNumber": "21449723",  
    "uniqueIdentifier": "KR23RTL",  
    "utcDateRequired": "2023-07-18T00:00:00",  
    "pinCode": "7765125",  
    "returnUniqueIdentifier": "KR23RTH",  
    "returnDateRequired": "2023-07-18T00:00:00"  
  }  
}
```

4.5 Update existing job

Path: <baseUrl>/api/v1/job

Method: Put

Input

Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
moDel VM Account Id	modelVMID	String	Y
Dealer code	dealerCode	String	
Country code	countryCode	String	
Submission	submission	Datetime	
Job profile	jobProfile	String	
Job header [object]	jobHeader		
Order number	orderNumber	String	
Status	status	String	
Job type	jobType	String	
UTC available date	utcAvailableDate	Datetime	
UTC date required	utcDateRequired	Datetime	

Notes	notes	String	
Special notes	specialNotes	String	
Default CC email	defaultCCEmail	String	
Client details [object]	clientDetails		
Client name	clientName	String	
Client job type	clientJobType	String	
Item details [object]	itemDetails		
Item type	itemType	String	
Damage tree	damageTree	String	
Description 1	description1	String	
Description 2	description2	String	
Description 3	description3	String	
Description 4	description4	String	
Registration number	uniqueIdentifier	String	
Pin code	pinCode	String	
Code	code	String	
Chassis number	chassisNumber	String	
Is return	isReturn	Boolean	
Linked unique identifier	linkedUniqueIdentifier	String	
Delivery requirements [object]	deliveryRequirements		
Delivery time	deliveryTime	String	
Delivery method	deliveryMethod	String	
Collection details [object]	collectionDetails		
Address 1	address1	String	
Address 2	address2	String	
Town	town	String	
County	county	String	
Country	country	String	
Postcode	postcode	String	
Contact name	contactName	String	
Contact telephone	contactTelephone	String	
Contact email	contactEmail	String	
Delivery details [object]	deliveryDetails		
Address 1	address1	String	
Address 2	address2	String	
Town	town	String	
County	county	String	
Country	country	String	
Postcode	postcode	String	
Contact name	contactName	String	
Contact telephone	contactTelephone	String	
Contact email	contactEmail	String	
Additional details [array]	additionalDetails		
Key	key	String	
Type	type	String	
Label	label	String	
Value	value	String	

Example object:

```
{
  "moDelVMID": "4603",
  "dealerCode": "ALEX001",
  "countryCode": "GB",
  "submission": "{{currentDate}}",
  "jobProfile": "Movement",
  "jobHeader": {
    "orderNumber": "34261854",
    "status": 1,
    "jobType": "Default",
    "utcAvailableDate": "{{currentDate}}",
    "utcDateRequired": "{{currentDate}}",
    "notes": "Notes",
  }
}
```

```

    "specialNotes": "specialNotes",
    "defaultCCEmail": "uatautomation@ebbon-dacs.com"
  },
  "clientDetails": {
    "clientName": "clientName",
    "clientJobType": "clientJobType"
  },
  "itemDetails": {
    "itemType": "Car",
    "damageTree": "<string>",
    "description1": "BMW",
    "description2": "3 Series Touring",
    "description3": "2.0 M Sport",
    "description4": "Metallic - Black",
    "uniqueIdentifier": "KR21VIS",
    "pinCode": "5444590",
    "code": "code",
    "chassisNumber": "GHNVBNGHJU3432124",
    "isReturn": false,
    "linkedUniqueIdentifier": null
  },
  "deliveryRequirements": {
    "deliveryTime": "AM",
    "deliveryMethod": "Driven"
  },
  "collectionDetails": {
    "address1": "Address1",
    "address2": "Address2",
    "town": "Town",
    "county": "County",
    "country": "Country",
    "postCode": "OX13 6FD",
    "contactName": "Contact Name",
    "contactTelephone": "0000",
    "contactEmail": "uatautomation@ebbon-dacs.com"
  },
  "deliveryDetails": {
    "address1": "Address1",
    "address2": "Address2",
    "town": "Town",
    "county": "County",
    "country": "Country",
    "postCode": "OX13 6FD",
    "contactName": "Contact Name",
    "contactTelephone": "0000",
    "contactEmail": "uatautomation@ebbon-dacs.com"
  },
  "additionalDetails": [
    {
      "key": "<string>",
      "type": "<string>",
      "label": "<string>",
      "value": "<string>"
    },
    {
      "key": "<string>",
      "type": "<string>",
      "label": "<string>",
      "value": "<string>"
    }
  ]
}

```

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Order number	orderNumber	String
Registration number	uniqueIdentifier	String
UTC date required	utcDateRequired	Datetime
Pin code	pinCode	String

Example object:

```
{
  "success": true,
  "payload": {
    "orderNumber": "34261854",
    "uniqueIdentifier": "KR21VIS",
    "utcDateRequired": "2023-07-19T00:00:00",
    "pinCode": "5444590"
  }
}
```

5.0 Billing API

The billing api is used to retrieve billing data for a moDel movement

5.1 Get the job billing data

Path: <baseUrl>/api/v1/job/billing

Method: Get

Input

Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
MoDeIVMID	MoDeIVMID	String	Y
Order number	OrderNumber	String	Y
Registration number	UniqueIdentifier	String	Y
Pin code	PinCode	String	Y

Example:

GET

{{baseUrl}}/api/v1/job/billing?MoDeIVMID=6113&OrderNumber=10098713&UniqueIdentifier=KR21NTF&PinCode=123456

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	MoDeIVMID	6113
<input checked="" type="checkbox"/>	OrderNumber	10098713
<input checked="" type="checkbox"/>	UniqueIdentifier	KR21NTF
<input checked="" type="checkbox"/>	PinCode	123456
	Key	Value

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	success	Bool

Payload [object]	payload	
Job Id	jobId	String
Job Type	jobType	String
Order number	orderNumber	String
Date required	dateRequired	Datetime
Invoice date	invoiceDate	Datetime
Invoice number	invoiceNumber	String
Billing status	billingStatus	String
VAT amount	vatAmount	Double
Total	total	Double
Vehicles [array]	vehicles	
Vehicle type	vehicleType	String
PO number	poNumber	String
Registration number	uniqueIdentifier	String
Make	make	String
Model	model	String
Derivative	derivative	String
Colour	colour	String
Collection postcode	collectionPostCode	String
Delivery postcode	deliveryPostCode	String
Job costing [object in Vehicles]	jobCosting	
Client name	clientName	String
Billing rate	billingRate	String
Job mileage	jobMileage	Integer
Sale value	saleValue	Double
Discount percentage	discountPercentage	Double
Discount amount	discountAmount	Double
Discount description	discountDescription	String
Sub total	subTotal	Double
VAT rate	vatRate	String
VAT amount	vatAmount	Double
Total	total	Double
VAT percentage	vatPercentage	Double
Additional costs [array]	additionalCosts	
Include	include	Boolean
Description	description	String
Sale value	saleValue	Double
VAT rate	vatRate	String
VAT percentage	vatPercentage	Double
VAT amount	vatAmount	Double
Total	total	Double
Expenses [Array]	Expenses	
Description	description	String
Cost	cost	Double
Sale value	saleValue	Double
VAT rate	vatRate	String
VAT percentage	varPercentage	Double
VAT amount	vatAmount	Double
Total	total	Double

Example object:

```
{
  "success": "<boolean>",
  "payload": {
    "jobId": "<string>",
    "jobType": "<string>",
    "orderNumber": "<string>",
    "dateRequired": "<dateTime>",
    "invoiceDate": "<dateTime>",
    "invoiceNumber": "<string>",
    "billingStatus": "<string>",
    "vatAmount": "<double>",
    "total": "<double>",
    "vehicles": [
      {
        "vehicleType": "<string>",
        "poNumber": "<string>",
        "uniqueIdentifier": "<string>",
        "make": "<string>",
        "model": "<string>",
        "derivative": "<string>",
        "colour": "<string>",
        "collectionPostCode": "<string>",
        "deliveryPostCode": "<string>",
        "jobCosting": {
          "clientName": "<string>",
          "billingRate": "<string>",
          "jobMileage": "<integer>",
          "saleValue": "<double>",
          "discountPercentage": "<double>",
          "discountAmount": "<double>",
          "discountDescription": "<string>",
          "subTotal": "<double>",
          "vatRate": "<string>",
          "vatAmount": "<double>",
          "total": "<double>",
          "vatPercentage": "<double>"
        },
        "additionalCosts": [
          {
            "include": "<boolean>",
            "description": "<string>",
            "saleValue": "<double>",
            "vatRate": "<string>",
            "vatPercentage": "<double>",
            "vatAmount": "<double>",
            "total": "<double>"
          }
        ],
        "expenses": [
          {
            "description": "<string>",
            "cost": "<double>",
            "saleValue": "<double>",
            "vatRate": "<string>",
            "vatPercentage": "<double>",
            "vatAmount": "<double>",
            "total": "<double>"
          }
        ]
      }
    ]
  }
}
```


6.0 Expenses API

The Expenses api is used to retrieve expenses data for a moDel movement

6.1 Get Expenses data for the job

Path: <baseUrl>/api/v1/job/expenses

Method: Get

Input

Call the API with the following parameters:

Parameter name	Value	Data type	Mandatory
MoDel VM Id	MoDelVMID	String	Yes
Order number	OrderNumber	String	Yes
Registration number	UniquelIdentifier	String	Yes
Create date from	CreatedDateFrom	Datetime	
Created date to	CreatedDateTo	Datetime	
AgentId	AgentId	UUID	

Example:

GET ▼ `{{baseUrl}}/api/v1/job/expenses?MoDelVMID=6613&OrderNumber=10788961&UniquelIdentifier=KR21NTF&CreatedDateFrom=2023-01-01`

Params ● Authorization ● Headers (8) Body Pre-request Script Tests Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	MoDelVMID	6613
<input checked="" type="checkbox"/>	OrderNumber	10788961
<input checked="" type="checkbox"/>	UniquelIdentifier	KR21NTF
<input checked="" type="checkbox"/>	CreatedDateFrom	2023-01-01
<input checked="" type="checkbox"/>	CreatedDateTo	2023-01-02
<input checked="" type="checkbox"/>	AgentId	2903644e-6c28-4d98-b260-cde427ded99F
	Key	Value

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	success	Boolean
Payload [object]	payload	
Order number	orderNo	String
Registration number	uniquelIdentifier	String
Journey type	journeyType	String
Username	userName	String
Start job time	startJobTime	Datetime
End job time	endJobTime	Datetime
Create date	createdDate	Datetime
Submitted date	submittedDate	Datetime
Completed date	completedDate	Datetime
Mileage	mileage	Integer
Car wash	carwash	Double
Tolls	tolls	Double
Fuel vehicle	fuelVehicle	Double
Fuel hire car	fuelHireCar	Double
Train	train	Double

Bus	bus	Double
Taxi	taxi	Double
Other	other	Double
Additional expenses [array]		
Key	key	String
Value	value	String
Driver pay	Double	String
Total	Double	String

Example object:

```
{
  "success": "<boolean>",
  "payload": [
    {
      "orderNo": "<string>",
      "uniqueIdentifier": "<string>",
      "journeyType": "<string>",
      "userName": "<string>",
      "startJobTime": "<dateTime>",
      "endJobTime": "<dateTime>",
      "createdDate": "<dateTime>",
      "submittedDate": "<dateTime>",
      "completedDate": "<dateTime>",
      "mileage": "<integer>",
      "carWash": "<double>",
      "tolls": "<double>",
      "fuelVehicle": "<double>",
      "fuelHireCar": "<double>",
      "train": "<double>",
      "bus": "<double>",
      "taxi": "<double>",
      "other": "<double>",
      "additionalExpenses": [
        {
          "key": "<string>",
          "value": "<string>"
        },
        {
          "key": "<string>",
          "value": "<string>"
        }
      ],
      "driverPay": "<double>",
      "total": "<double>"
    }
  ]
}
```

7.0 History API

The History api is used to return al job history associated with a moDel movement.

7.1 Get job history

Path: <baseUrl>/api/v1/job/history

Method: Get

Input

Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
----------------	-------	-----------	-----------

MoDel VM ID	MoDelVMID	String	Y
Registration number	UniquelIdentifier	String	Y
Pin code	PinCode	String	Y
Country code	CountryCode	String	Y

Example:

GET

{{baseUrl}}/api/v1/job/history?MoDelVMID=6113&UniquelIdentifier=KR21NTF&PinCode=445245&CountryCode=GB

Params

Headers (2)

Body

Query Params

	Key	Value
<input checked="" type="checkbox"/>	MoDelVMID	6113
<input checked="" type="checkbox"/>	UniquelIdentifier	KR21NTF
<input checked="" type="checkbox"/>	PinCode	445245
<input checked="" type="checkbox"/>	CountryCode	GB
	Key	Value

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	success	Boolean
Payload [object]		
Order number	orderNumber	String
Job type	jobType	String
History [array]		
Event	event	String
Date	date	Datetime
Author	author	String
Changes [array]		
Name	name	String
Value	value	String
Old value	oldValue	String

Example object:

```
{
  "success": "<boolean>",
  "payload": {
    "orderNumber": "<string>",
    "jobType": "<string>",
    "history": [
      {
        "event": "<string>",
        "date": "<dateTime>",
        "author": "<string>",
        "changes": [
          {
            "name": "<string>",
            "value": "<string>",
            "oldValue": "<string>"
          }
        ]
      }
    ]
  }
}
```

8.0 Document API

The Document api is used to complete the following actions:

- 1. Get document .PDF
- 2. Get document images
- 3. Get raw document data
- 4. Submit document data

8.1 Get Document PDF

Path: <baseUrl>/api/v1/document/pdf
Method: Get

Input
Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
Order number	OrderNumber	String	Y
Registration number	UniquelIdentifier	String	Y
Pin code	PinCode	String	Y
Form type	FormType	String	Y

Example:

GET

{{baseUrl}}/api/v1/document/pdf?OrderNumber=12345&UniquelIdentifier=KR23RTY&PinCode=1234567&FormType=Delivery

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	OrderNumber	12345
<input checked="" type="checkbox"/>	UniquelIdentifier	KR23RTY
<input checked="" type="checkbox"/>	PinCode	1234567
<input checked="" type="checkbox"/>	FormType	Delivery
	Key	Value

Output
You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Job header [object in payload]	jobHeader	
Order number	orderNumber	String
Date required	dateRequired	Datetime
moDel VM Account Id	modelVMID	String
Country code	countryCode	String
Form details [array in payload]	formDetails	
Form name	formName	String
Signature captured at	signatureCapturedAt	Datetime
PDF file [object in formDetails array]	pdfFile	
Name	name	String
URL	url	String

Example object:

```
{
  "success": "true",
  "payload": {
    "jobHeader": {
      "orderNumber": "123456",
      "dateRequired": "2023-07-19T00:00:00",
      "moDelVMID": "12345",
      "countryCode": "GB"
    },
    "formDetails": [
      {
        "formName": "Collection",
        "signatureCapturedAt": "2023-07-19T00:00:00",
        "pdfFile": {
          "name": "Collection",
          "url": "https://ebbon-group.com.jpg"
        }
      },
      {
        "formName": "Delivery",
        "signatureCapturedAt": "2023-07-19T00:00:00",
        "pdfFile": {
          "name": "Delivery",
          "url": "https://ebbon-group.com.jpg"
        }
      }
    ]
  }
}
```

8.2 Get Document images

Path: <baseUrl>/api/v1/document/image
Method: Get

Input
Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
Order number	OrderNumber	String	Y
Registration number	UniquelIdentifier	String	Y
Pin code	PinCode	String	Y
Form type	FormType	String	Y

Example:

GET

{{baseUrl}}/api/v1/document/image?OrderNumber=123&UniquelIdentifier=KR21NTF&PinCode=5285226&FormType=Collection

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	OrderNumber	123
<input checked="" type="checkbox"/>	UniquelIdentifier	KR21NTF
<input checked="" type="checkbox"/>	PinCode	5285226
<input checked="" type="checkbox"/>	FormType	Collection
	Key	Value

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Job header [object in payload]	jobHeader	
Order number	orderNumber	String
Date required	dateRequired	Datetime
moDel VM Account Id	modelVMID	String
Country code	countryCode	String
Form details [array in payload]	formDetails	
Form name	formName	String
Signature captured at	signatureCapturedAt	Datetime
Images [array in formDetails]	images	
URL	url	String
Notes	notes	String

Example object:

```
{
  "success": "true",
  "payload": {
    "jobHeader": {
      "orderNumber": "123456",
      "dateRequired": "2023-07-19T00:00:00",
      "moDelVMID": "123456",
      "countryCode": "GB"
    },
    "formDetails": {
      "formName": "Delivery",
      "signatureCapturedAt": "2023-07-19T00:00:00",
      "images": [
        {
          "url": "https://ebbon-group.com.jpg",
          "notes": "Notes"
        },
        {
          "url": "https://ebbon-group.com.jpg",
          "notes": "Notes"
        }
      ]
    }
  }
}
```

8.3 Get Document data

Path: <baseUrl>/api/v1/document

Method: Get

Input

Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
Order number	OrderNumber	String	Y
Registration number	UniquelIdentifier	String	Y
Pin code	PinCode	String	Y
Form type	FormType	String	Y

Example:

GET

▼

{{baseUri}}/api/v1/document?OrderNumber=123&UniquelIdentifier=KR21NTF&PinCode=5285226&FormType=Collection

Params • Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	OrderNumber	123
<input checked="" type="checkbox"/>	UniquelIdentifier	KR21NTF
<input checked="" type="checkbox"/>	PinCode	5285226
<input checked="" type="checkbox"/>	FormType	Collection
	Key	Value

Output
You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Job header [object in payload]	jobHeader	
Order number	orderNumber	String
Date required	dateRequired	Datetime
moDel VM Account Id	modelVMID	String
Country code	countryCode	String
Form details [object in payload]	formDetails	
Form name	formName	String
Signature captured at	signatureCapturedAt	Datetime
Questions [array in formDetails]		
Question	question	String
Answer	answer	String
Recorded damage [array in formDetails]		
Panel	panel	String
Area	area	String
Damage 1	damage1	String
Damage 2	damage2	String
Damage 3	damage3	String
Damage 4	damage4	String
Damage notes [array in object]	damageNotes	
Damage Image Captured	damageImageCaptured	Boolean

Example object:

```
{
  "success": true,
  "payload": {
    "jobHeader": {
      "orderNumber": "123",
      "dateRequired": "2023-05-23T01:00:00+01:00",
      "moDelVMID": "4593",
      "countryCode": null
    },
    "formDetails": {
      "formName": "Collection Form",
      "signatureCapturedAt": "2023-04-26T09:37:13.03Z",
      "questions": [
        {
          "question": "Mileage on collection",
          "answer": "22322"
        },
        {
          "question": "Fuel",
          "answer": "1/2"
        },
        {
          "question": "Charge",
          "answer": "Full"
        },
        {
          "question": "Number of Keys",
          "answer": "576"
        },
        {
          "question": "Vehicle Delivery Pack",
          "answer": "No"
        },
        {
          "question": "Locking Wheel Nut",
          "answer": "No"
        }
      ]
    }
  }
}
```



```
    ],
    "recordedDamage": [
      {
        "panel": "Roof",
        "area": null,
        "damage1": "Scratch",
        "damage2": null,
        "damage3": null,
        "damage4": null,
        "damageNotes": [
          "1"
        ],
        "damageImageCaptured": true
      },
      {
        "panel": "Front Wing",
        "area": null,
        "damage1": "Accident damage",
        "damage2": null,
        "damage3": null,
        "damage4": null,
        "damageNotes": [
          "2"
        ],
        "damageImageCaptured": true
      },
      {
        "panel": "Off Side Door",
        "area": null,
        "damage1": "Scratch",
        "damage2": null,
        "damage3": null,
        "damage4": null,
        "damageNotes": [
          "3"
        ],
        "damageImageCaptured": true
      },
      {
        "panel": "Rear seats",
        "area": null,
        "damage1": "Tear",
        "damage2": null,
        "damage3": null,
        "damage4": null,
        "damageNotes": [
          "4"
        ],
        "damageImageCaptured": true
      }
    ]
  }
}
```

8.4 Submit Document data

Path: <baseUrl>/api/v1/document
Method: Post

Input
Call the API with an object that has the following properties.

Property name	Value	Data type	Mandatory
moDel VM Account Id	modelVMID	String	Y
Order number	orderNumber	String	

Registration number	uniqueIdentifier	String	
Pin code	pinCode	String	
document [object]			
Form type	formType	String	
Answers [array in document object]			
Question	key	String	
Answer	value	String	
Damages [array in document]			
Location	location	String	
Type	type	String	
Notes	notes	String	
Image URL	imageUrl	String	
Signed [object document]			
User [object in signed]			
Name	name	String	
Time	time	Datetime	
Image URL	imageUrl	String	
Customer [object in signed]			
Name	name	String	
Time	time	Datetime	
Image URL	imageUrl	String	

Example object:

```
{
  "header": {
    "moDelVMID": "566",
    "orderNumber": "20230711",
    "uniqueIdentifier": "KR22RDF",
    "pinCode": "3098142"
  },
  "document": {
    "formType": "DeliveryForm",
    "answers": [
      {
        "key": "Delivery Form.Step 1.Mileage",
        "value": "87147"
      },
      {
        "key": "Delivery Form.Step 1.Fuel",
        "value": "N/A"
      },
      {
        "key": "Delivery Form.Step 1.Charge",
        "value": "N/A"
      },
      {
        "key": "Delivery Form.Step 1.Locking Wheel Nut",
        "value": "No"
      },
      {
        "key": "Delivery Form.Step 1.Vehicle Delivery Pack",
        "value": "No"
      }
    ],
    "damages": [
      {
        "location": "Roof",
        "type": "Scratch",
        "notes": "1",
        "imageUrl": "https://images.pexels.com/photos/3264504/pexels-photo-3264504.jpeg"
      }
    ]
  }
}
```

```
{
  "location": "Front Wing",
  "type": "Accident damage",
  "notes": "2",
  "imageUrl": ""
},
"signed": {
  "user": {
    "name": "User 1",
    "time": "2023-04-26T09:37:13.030Z",
    "imageUrl": "https://daily.jstor.org/wp-content/uploads/2014/11/NapoleonSignature2_1050x700.jpg"
  },
  "customer": {
    "name": "Customer 2",
    "time": "2023-04-26T09:37:13.030Z",
    "imageUrl": "https://www.morebusiness.com/wp-content/uploads/2020/09/handwritten-email-signature.jpg"
  }
}
}
```

8.5 Get Document PDF (base64)

Path: <baseUrl>/api/v1/document/pdf/base64

Method: Get

Input

Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
Order number	OrderNumber	String	Y
Registration number	UniquelIdentifier	String	Y
Pin code	PinCode	String	Y
Form type	FormType	String	Y

Example:

GET {{baseUrl}}/api/v1/document/pdf/base64?OrderNumber=37143822&UniquelIdentifier=KR25RLL&PinCode=6688314&FormType=Collection

Params • Authorization Headers (8) Body Pre-request Script Tests Settings

Query Params

	Key	Value	Description
<input checked="" type="checkbox"/>	OrderNumber	37143822	
<input checked="" type="checkbox"/>	UniquelIdentifier	KR25RLL	
<input checked="" type="checkbox"/>	PinCode	6688314	
<input checked="" type="checkbox"/>	FormType	Collection	1 - 'Collection', 2 - 'Delivery'

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
Job header [object in payload]	jobHeader	
Order number	orderNumber	String
Date required	dateRequired	Datetime
moDeI VM Account Id	modelVMID	String
Documents [array]	documents	
Form Name	formName	String

PDF File [object]	pdfFile	
name	name	string
binary	binary	string

Example object:

```
{
  "success": true,
  "payload": {
    "jobHeader": {
      "orderNumber": "37143822",
      "dateRequired": "2023-11-15T00:00:00+00:00",
      "moDelVMID": "565",
      "countryCode": "GB"
    },
    "documents": [
      {
        "formName": "Collection Form",
        "pdfFile": {
          "name": "37143822_code_KR25RLL_POC.pdf",
          "binary":
            "JVBERi0xLjMNCjEgMCMbYmoNClsvUERGIC9UZXBhZG9jYmVnZUIgL0ltYWdlQyAvSW1hZ2VJXQ0KZW5kb2JqDQox
            MyAwIG9iag0KPDwgL0xlbmd0aCA2ODQ5IC9GaWw0ZXIgL0ZsYXRIRGVjb2RlID4+IHN0cmVhbQ0KWAMtPWuT2zaS
            37cq/wGfrjXDK28wdTVXdnxOvau7ST2XHxXI/tAazgenSVxVt"
        }
      }
    ]
  }
}
```

9.0 Agents API

The Agents API is used to return a list of agents which exist against an moDel account entity.

9.1 Get available Agents for the moDel VM account

Path: <baseUrl>/api/v1/agents

Method: Get

Input

Call the API with the following parameters.

Parameter name	Value	Data type	Mandatory
Order number	OrderNumber	String	Y
Country code	CountryCode	String	N

Example:

GET

{{baseUrl}}/api/v1/agents?MoDelVMID=4593

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	MoDelVMID	4593
<input type="checkbox"/>	CountryCode	UK
	Key	Value

Output

You should receive a standard HTTP response. If the call was successful, you should get the following fields in an object.

Property name	Value	Data type
Success	Success	Boolean
payload [object]	payload	
ID	id	uuid
Name	name	String
Is Linked to App	isLinkedToApp	Boolean

Example object:

```
{
  "success": true,
  "payload": [
    {
      "id": "03e66f12-d4a3-4939-a2da-f5877c377775",
      "name": "Alex Agent",
      "isLinkedToApp": false
    }
  ]
}
```

10.0 Error Codes

The following errors can be returned to the client should the API request fail.

10.1 Authentication Errors

HTTP Status	Error Code	ABBR	Message
401	100	Invalid Credentials	Request is not authorized

10.2 Validation Errors

HTTP Status	Error Code	ABBR	Message
400	101	Validation Error	UTCDateRequired is in past
400	101	Validation Error	Invalid Item Type specified
400	101	Validation Error	The field {field in request} length exceeded {max} characters

10.3 General Errors

HTTP Status	Error Code	ABBR	Example Response Message
400	106	Portal Account Not Found	moDel VM account was not found
400	104	Document Not Found	Document was not found
400	105	Account Mapping Not Found	Invalid Country Code/Dealer Code combo
400	108	Job Not Found	Job was not found
400	109	Job Already Completed	Job already created
400	107	Job Provider Not Enabled	Job Provider is not enabled for specified moDel VM account
400	114	Agent Not Found	Agent was not found
400	112	Job Already Imported	Job already imported
400	119	Missing Account Feature	Accounts is missing required features for this functionality
400	120	Cannot Submit Document	Document is not available or is already submitted
400	116	Agent Already Assigned	Agent Already Assigned

400	115	Can't Assign Agent	Job has progressed too far for agent to be assigned
400	111	Can't Update Job	Job has progressed too far to be updated
400	110	Can't Cancel Job	Job has been progressed too far to be cancelled
400	117	Can't Abort Job	Job has been progressed too far to be aborted
400	113	Job Already Completed	Job has already been completed
400	118	Cannot Link With Delivery	
400	102	Invoice Credentials	
400	103	Access Denied	

Example Object:

```
{
  "success": false,
  "error": {
    "code": 110,
    "message": "Job has progressed too far to be cancelled"
  }
}
```

End of Document