

# RentPrep ShareAble API V3 Documentation

2024

## Introduction

Welcome to the RentPrep ShareAble API. You can use this API to submit credit report applications for your customers on behalf of your company once you've established an API Account with RentPrep.

The general flow of a credit report application is as follows:

1. Request a credit report application for tenants. Please note, there are two ways to create an application:
  - a. Creating an interactive application:
    - i. Relevant details are gathered from the landlord and sent as a POST request to RentPrep.
    - ii. A URL is returned which is used to redirect the landlord to a form to review and submit.
    - iii. Upon submission, the credit report is ordered.
  - b. Creating a native application
    - i. Relevant details are gathered from the landlord and sent as a POST request to RentPrep.
    - ii. There is no further interaction required from the landlord, so the credit report is ordered immediately.
2. Emails are sent to each tenant requesting action be taken as well as the landlord to confirm the order
3. The Tenant/Applicant will reject the application or accept and complete their part of the application
4. Reports will become available

When ordering an application you must supply the unique ID for your user from your system, as well as any optional data about your user, property, applicants, etc. which will pre-populate the application creation form.

## API Locations

The following URLs will be used as the "base URL" for the endpoints throughout this documentation. As shown in the table below, the "base URL" is dependent on the environment being used.

Environment	URL
Sandbox	<a href="https://apiv3.sandbox.rentprep.com">https://apiv3.sandbox.rentprep.com</a>
Production	<a href="https://apiv3.rentprep.com">https://apiv3.rentprep.com</a>

The full URL used for the request is based on a combination of the "base URL" and the endpoint URL as listed in the details for each of the endpoints below.

*EXAMPLE: If creating a new application in the sandbox environment, your POST URL would be:*  
<https://apiv3.sandbox.rentprep.com/smartmove/application/create>

## Authentication

RentPrep uses API keys to allow access to the API. You can register for a new RentPrep API key by contacting us.

RentPrep expects for the API key to be included in all API requests to the server in a header that looks like the following:

`x-apiKey: 00000000-0000-0000-0000-000000000000`

*You must replace 00000000-0000-0000-0000-000000000000 with your personal API key for the environment you are working in. Your API key for Sandbox will not work in Production and vice versa.*

## Endpoints

### Create an Interactive Application

`POST /smartmove/application/create`

The 'interactive' application process is as follows:

1. Relevant details are gathered from the landlord and sent as a POST request to the endpoint.
2. If the request is successful, a URL is returned in the response which is used to redirect the landlord to a form to review, add any additional information and submit the order.
3. Upon submission, the credit report is ordered.
4. Emails will be sent out to the landlord and applicants upon successful order creation.

5. To provide you with status updates, [postback data](#) will be sent to the endpoint you set in the [RequestParameters](#) *postbackUri* property.

### 'Interactive Application' Request

The interactive application request uses the [OrderRequest](#) model but not all objects are required. The table below provides a summary of the objects included in this model but please see the model documentation for more details.

Object/Field	Description
<a href="#">Product</a>	Specifies which package is being ordered
<a href="#">Customer</a>	unique ID from your system of your customer placing the order
<a href="#">Application</a>	Details of the application including the applicants, the unit number, payment responsibility, etc.
<a href="#">Property</a>	The property details
<a href="#">RequestParameters</a>	Additional Request Parameters

### Sample 'Interactive Application' Request

```
{
  "Product": "PackageCorePlusEvictions",
  "Application": {
    "Applicants": ["applicant@test.com"],
    "declineForOpenBankruptcies": false,
    "openBankruptcyWindow": 0,
    "LandlordPays": false
  },
  "Customer": {
    "referenceId": "11235"
  },
  "Property": {
    "LandlordFirstName": "Homer",
    "LandlordLastName": "Simpson",
    "LandlordStreetAddressLineOne": "123 Landlord Blvd",
    "LandlordStreetAddressLineTwo": "",
    "LandlordCity": "Springfield",
  }
}
```

```

        "LandlordState": "NY",
        "LandlordZip": "11111",
        "LandlordPhoneNumber": "5555555555",
        "LandlordPhoneExtension": "",
        "LandlordEmail": "landlord@test.com"
        "PropertyName": "My Apartment Building",
        "Street": "321 Apartment Ave",
        "UnitNumber": "4",
        "City": "Springfield",
        "State": "OH",
        "Zip": "22222",
        "Classification": "Conventional",
        "IsFcraAgreementAccepted": true
    }
    "RequestParameters": {
        "postbackUri": "http://your.postbackurl.com",
        "postback_password": "",
        "postback_username": "",
        "referenceId": "54321",
        "referenceText": "Credit check apartment 4",
        "redirectUri": "http://www.yoursite.com",
        "cartUrl": "http://www.yoursite.com/cart"
    }
}

```

## 'Interactive Application' Response

**Success:** If successful, your request will result in a 200 Success response accompanied by a link to complete the application with any supplied information already filled in. The user should be redirected to this URL to complete the required form and create the application.

### *Sample 'Interactive Application' Success Response*

```

{
    "data": {
        "URL": "https://stage.rentprep.com/smartmove/api/create/YnhBM3d0M1FPUG82M1dWaFluL212eWFUMUZXFUErQ1VVNC9oVWs2WUY4az01/RGdWWkJxYlhIZjklDWduSk1lS0FVQ3hKc0hpMkxnV3AxQXMvckgwUlgxdz01/VEc3d3k4R3Jra1BrODZidUxEc2drVHAyaUFieS9OVknMa2ROZEZPSHF6a2xaV013RlBXT1NBdG8rT0Yvc1U4MWxGZ3BnbmlwVU1VWVlPZHk4eFVlWTBLQXRtU2M3cGU2bjFxeTlFQ2IrU3lXd0FOak0xRmovTU92VDltOVZ0eUs1"
    },
    "meta": {
        "message": "Application Link provided"
    }
}

```

**Error:** If your request results in an error, you will receive an error response with a description of the error.

*Sample 'Interactive Application' Error Response*

```
{  
  "Message": "An error has occurred."  
}
```

## Create a Native Application

POST /smartmove/application/create/embedded

The 'native' (embedded) application process is as follows:

1. Relevant details are gathered from the landlord and sent as a POST request to the following endpoint.
2. A response is received to confirm if the request was successful or if there was an error
3. If the request was successful, the credit report is ordered with no further interaction required from the landlord.
4. Emails will be sent out to the landlord and applicants upon successful creation.
5. To provide you with status updates, postback data will be sent to the endpoint you set in the [RequestParameters](#) postbackUri property.

### 'Native Application' Request

The interactive application request uses the [OrderRequest](#) model but not all objects are required. The table below provides a summary of the objects included in this model but please see the model documentation for more details.

Object/Field	Description
<a href="#">Product</a>	Specifies which package is being ordered
<a href="#">Customer</a>	unique ID from your system of your customer placing the order
<a href="#">Application</a>	Details of the application including the applicant, the unit number, payment responsibility, etc.
<a href="#">Property</a>	The property details
<a href="#">RequestParameters</a>	Additional Request Parameters

### Sample 'Native Application' Request

```
{  
  "Product": "PackageCorePlusEvictions",  
  "Application": {  
    "Applicants": ["applicant@test.com"],  
    "declineForOpenBankruptcies": false,  
  }  
}
```

```

        "openBankruptcyWindow": 0,
        "LandlordPays": false
    },
    "Customer": {
        "referenceId": "11235"
    },
    "Property": {
        "LandlordFirstName": "Homer",
        "LandlordLastName": "Simpson",
        "LandlordStreetAddressLineOne": "123 Landlord Blvd",
        "LandlordStreetAddressLineTwo": "",
        "LandlordCity": "Springfield",
        "LandlordState": "NY",
        "LandlordZip": "11111",
        "LandlordPhoneNumber": "5555555555",
        "LandlordPhoneExtension": "",
        "LandlordEmail": "landlord@test.com",
        "PropertyName": "My Apartment Building",
        "Street": "321 Apartment Ave",
        "UnitNumber": "4",
        "City": "Springfield",
        "State": "OH",
        "Zip": "22222",
        "Classification": "Conventional",
        "IsFcraAgreementAccepted": true
    }
    "RequestParameters": {
        "postbackUri": "http://your.postbackurl.com",
        "postback_password": "",
        "postback_username": "",
        "referenceId": "54321",
        "referenceText": "Credit check apartment 4",
        "redirectUri": "http://www.yoursite.com",
        "cartUrl": "http://www.yoursite.com/cart"
    }
}

```

## ‘Native Application’ Response

*Sample ‘Native Application’ Success Response*

... If `LandlordPays` is “False”

If successful, you will receive the following response which includes the ShareAble application ID.

```
{
  "data": {
    "order_ref": "5555555"
  },
  "meta": {
    "message": "Smartmove order created successfully"
  }
}
```

... If `LandlordPays` is “True”

If successful, you will receive the following response with the `checkout_id` and `checkout_login` being unique per transaction. These two values will be used to build out the URL which the landlord will be redirected to.

*Please note: the `checkout_login` expires after 10 minutes. This cannot be refreshed or extended, so if more than 10 minutes passes a new order will need to be created.*

```
{
  "data": {
    "checkout_id": "c5777b0f-56a8-4ba2-ba37-ddf95a909f77",
    "checkout_login": "f20a4674-98b4-4e80-81f4-d5c58a1ec477"
  },
  "meta": {
    "message": "Smartmove order created successfully"
  }
}
```

The redirect URL for the payment is in the following format...

Environment	URL
Sandbox	<a href="https://app.uat.rentprep.com/smartmove/landlord-checkout/[checkout_id]/[checkout_login]">https://app.uat.rentprep.com/smartmove/landlord-checkout/[<i>checkout_id</i>]/[<i>checkout_login</i>]</a>
Production	<a href="https://app.rentprep.com/smartmove/landlord-checkout/[checkout_id]/[checkout_login]">https://app.rentprep.com/smartmove/landlord-checkout/[<i>checkout_id</i>]/[<i>checkout_login</i>]</a>

**Error:** If your request results in an error, you will receive an error response with a description of the error.

*Sample 'Native Application' Error Response*

```
{  
  "Message": "An error has occurred."  
}
```

## Get Application Details

GET /smartmove/application/reference/[*referenceId*]/application/[*applicationId*]

Use this endpoint to retrieve details for a single application.

### 'Get Application' Request

Field	Description	Type	Requirements
applicationId	The ShareAble application ID (order_ref) returned in the response after creating your order	int	Required
referenceId*	Your customer's unique customer ID	string	Required

*The referenceId sent in the request needs to match the referenceId initially sent in the 'create' request*

### 'Get Application Details' Response

**Success:** If successful, your request will result in a 200 Success response and will return a json object with the application's details.

#### Sample 'Get Application Details' Success Response

```
{
  "data": {
    "OrderStatus": "InProgress",
    "Status": "Active",
    "createdOn": "2022-01-01T16:25:42.74",
    "initialBundleId": 2,
    "landlordId": 13579,
    "modifiedOn": null,
    "propertyId": 24680,
    "propertyName": "My Apartment Building",
    "propertySummaryAddress": "219 Demario Neck Shareable, OH 81321",
    "screeningRequestId": 5555555,
    "screeningRequestRenters": []
  },
  "meta": {
    "message": "Application detail found"
  }
}
```

```
}
```

### OrderStatus

This status provides information about where the application is in RentPrep's process

Value	Description
InProgress	Order is still in progress
Complete	Renter has completed application
Error	There is an issue with the order
Canceled	The order has been canceled by the landlord

### Status

This status provides information about where the application is in TransUnion's process

Value	Description
Active	Application has been sent to the Renter, awaiting their response
Denied	Renter has declined the application
Accepted	Renter has accepted the application

**Error:** If your request results in an error, you will receive an error response with a description of the error.

### Sample 'Get Application Details' Error Response

```
{  
  "Message": "An error has occurred."  
}
```



## Get All Applications

GET /smartmove/application/all/[*referenceId*]?limit=[*limit*]&page=[*page*]

Get details for all applications created by a customer for a specific `referenceId`. Due to the potential for a large number of applications being returned, the `limit` and `page` parameters are useful for paginating this data in a table.

### 'Get All Applications' Request

Field	Description	Type	Requirements
<i>referenceId</i> *	Your customer's unique customer ID	string	Required
<i>limit</i>	Limit the number of results returned. Default is 10 if no value is given	int	Optional
<i>page</i>	The current page of data for paginated data. Will offset results using page limit. Default is 1 if no value is given	int	Optional

*The `referenceId` sent in the request needs to match the `referenceId` initially sent in the 'create' request*

### 'Get All Applications' Response

**Success:** If successful, your request will result in a 200 Success response and will return a json object with details for one or more applications.

#### Sample 'Get All Applications' Success Response

```
{
  "data": [
    {
      "Applicants": [
        "applicant@test.com"
      ],
      "ApplicationId": 555555,
      "CanAddApplicants": false,
      "Deposit": 0.0,
      "IsCancellable": true,
      "LandlordPays": false,
      "LeaseTermInMonths": 0,
    }
  ]
}
```

```

    "PaymentStatuses": [
      {
        "DateOfBirth": null,
        "didAccept": null,
        "emailAddress": "applicant@test.com",
        "firstName": null,
        "lastName": null,
        "orderPaymentId": null,
        "phoneNumber": null,
        "reminderSent": null,
        "state": null,
        "xmlRequestSent": null
      }
    ],
    "Property": {
      "City": "Springfield",
      "Name": "My Apartment Building",
      "PropertyId": 1,
      "PropertyIdentifier": null,
      "State": "OH",
      "Street": "321 Apartment Ave",
      "UnitNumber": "4",
      "Zip": "22222"
    },
    "Rent": 0.0,
    "RenterStatuses": null,
    "Status": "InProgress",
    "UnitNumber": null
  }
],
  "meta": {
    "message": "Applications found"
  }
}

```

**Error:** If your request results in an error, you will receive an error response with a description of the error.

#### *Sample 'Get All Applications' Error Response*

```

{
  "Message": "An error has occurred."
}

```

## Cancel Application

POST /smartmove/application/cancel

Cancel a ShareAble application.

### 'Cancel Application' Request

Parameter	Description	Type	Requirements
applicationId	The ShareAble application ID	int	Required
referenceId*	Your customer's unique customer ID	string	Required

*The referenceId sent in the request needs to match the referenceId initially sent in the 'create' request*

### Sample 'Cancel Application' Request

```
{
  "applicationId": "555555",
  "referenceId": "1235"
}
```

### 'Cancel Application' Response

**Success:** If successful, your request will result in a 200 Success response and an empty body.

**Error:** If your request results in an error, you will receive an error response with a description of the error.

### Sample 'Cancel Application' Error Response

```
{
  "Message": "An error has occurred."
}
```

## Get Report URL

POST

/smartmove/application/report\_url/reference/[*referenceId*]/application/[*applicationId*]

Get a link to the Report for an application.

### 'Get Report URL' Request

Parameter	Description	Type	Requirements
applicationId	The ShareAble application ID	int	Required
referenceId*	Your customer's unique customer ID	string	Required

*The referenceId sent in the request needs to match the referenceId initially sent in the 'create' request*

### Sample 'Get Report URL' Request

```
{
  "applicationId": "555555",
  "referenceId": "1235"
}
```

### 'Get Report URL' Response

**Success:** If successful, your request will result in a 200 Success response accompanied A successful call will return the report status as a string

### Sample 'Get Report URL' Success Response

```
{
  "data": {
    "URL": "https://stage.rentprep.com/smartmove/api/application/report/MFRxSzzhbytvbHNpalB2NWFirZFTgGeETWY2b1hGK00zSWk5TElIaWVmdz01/V0kvR2FpTFp6R2Vkb1p0Smo0TGJpb1htZnZFcGNQd3hEVm9QZS9VekRFQ123"
  },
  "meta": {
    "message": "Application report URL found"
  }
}
```

**Error:** If your request results in an error, you will receive an error response with a description of the error.

*Sample 'Get Report URL' Error Response*

```
{  
  "Message": "An error has occurred."  
}
```

## Get Report Status

POST  
/smartmove/application/report\_status/reference/[*referenceId*]/application/[*applicationId*]

Get the status of the reports for the application.

### 'Get Report Status' Request

Parameter	Description	Type	Requirements
applicationId	The ShareAble application ID	int	Required
referenceId*	Your customer's unique customer ID	string	Required

### Sample 'Get Report Status' Request

```
{  
  "applicationId": "555555",  
  "referenceId": "1235"  
}
```

### 'Get Report Status' Response

**Success:** If successful, your request will result in a 200 Success response accompanied A successful call will return the report status as a string

Below is a list of the possible values returned for reportStatus

Enum Value	Description
Pending	Pending
Ready	Report ready
InProgress	The report is in progress

Enum Value	Description
Canceled	Application was canceled by the landlord
SupportRequired	Support from RentPrep is required
RequestDeclined	The applicant declined to complete the application
Error	There was an error in report creation
Expired	The report is no longer available

#### *Sample 'Get Report Status' Success Response*

```
"Pending"
```

**Error:** If your request results in an error, you will receive an error response with a description of the error.

#### *Sample 'Get Report Status' Error Response*

```
{  
  "applicationId": "555555",  
  "referenceId": "1235"  
}
```

## Postback Data

The postback data will be posted to the endpoint you provided in the [RequestParameters](#) postbackUri property and will be sent in the form of an application/json POST.

## Models

### *OrderRequest*

**Description:** This is the parent model for all application requests.

**Requirements:** This model is required for all orders

**Additional Notes:** None

### Model Definition

```
{
  "Product": "",
  "Application": { ... },
  "Customer": { ... },
  "Property": { ... },
  "RequestParameters": { ... }
}
```

Parameter	Description	Type	Requirements
Product	The product type being ordered	<a href="#">Product</a>	All orders
Application	The details of the application	<a href="#">Application</a>	<a href="#">"Native" orders</a> only
Customer	The landlord creating the order	<a href="#">Customer</a>	All orders
Property	Property details	<a href="#">Property</a>	<a href="#">"Native" orders</a> only

Parameter	Description	Type	Requirements
RequestParameters	Payment details	<a href="#">Request Parameters</a>	All orders

## Product

**Description:** The product type being ordered

**Requirements:** This model is required for all orders

**Additional Notes:** New York State law requires landlords to pay for applications and for eviction records to be excluded from the search. To accommodate this, any requests made for properties in New Your State must use the "PackageCore" product type.

## Model Definition

```
"Product": "PackageCore",
```

## Product Types

Enum Value	Description
PackageCore	Credit, credit recommendation and criminal reports
PackageCorePlusEviction	Credit, credit recommendation, criminal reports, and eviction reports

## Application

**Description:** Contains the details of the renter application including the applicants, the unit number, payment responsibility, etc.

**Requirements:**

- This model is only required if [creating a native application](#)
- Except for openBankruptcyWindow, all fields are required if creating a native application, otherwise they are optional.
- openBankruptcyWindow is only required if declineForOpenBankruptcies is set to "true"

## Model Definition

```
"Application": {
  "Applicants": ["applicant@test.com "],
  "declineForOpenBankruptcies": false,
  "openBankruptcyWindow": 0,
  "LandlordPays": true
},
```

Parameter	Description	Type
Applicants	Currently only one applicant is supported	string[]
LandlordPays	Does the landlord pay for the application	boolean
declineForOpenBankruptcies	Decline applicants with open bankruptcies	boolean
openBankruptcyWindow	How many months to look back for open bankruptcies (Between 6 and 120)	int

## Customer

**Description:** This model contains the unique ID from your system of your customer placing the order.

**Requirements:** This model is required for all orders

**Additional Notes:** None

## Model Definition

```
"Customer": {
  "referenceId": "11235"
},
```

Parameter	Description	Type
referenceId	Your internal ID for this end user	string (100)

## Property

**Description:** This model contains all the details of the Property

**Requirements:**

- This model is only required if creating a native application
- With the following exceptions, all fields are required if creating a native application, otherwise they are optional.
  - LandlordStreetAddressLineTwo and LandlordPhoneExtension are always optional no matter what product type is being ordered
  - IsFcraAgreementAccepted is required if creating a native application, otherwise it is not included in this model

## Model Definition

```
"Property": {
  "LandlordFirstName": "Homer",
  "LandlordLastName": "Simpson",
  "LandlordStreetAddressLineOne": "123 Landlord Blvd",
  "LandlordStreetAddressLineTwo": "",
  "LandlordCity": "Springfield",
  "LandlordState": "NY",
  "LandlordZip": "11111",
  "LandlordPhoneNumber": "5555555555",
  "LandlordPhoneExtension": "",
  "LandlordEmail": "landlord@test.com",
  "PropertyName": "My Apartment Building",
  "Street": "321 Apartment Ave",
  "UnitNumber": "4",
  "City": "Springfield",
  "State": "OH",
  "Zip": "22222",
  "Classification": "Conventional",
  "IsFcraAgreementAccepted": true
}
```

Parameter	Description	Type
LandlordFirstName	The first name of the landlord	string(50)
LandlordLastName	The last name of the landlord	string(50)

Parameter	Description	Type
LandlordStreetAddressLineOne	The street address of the landlord	string(100)
LandlordStreetAddressLineTwo	The street address line two of the landlord	string(100)
LandlordCity	The city of the landlord	string(100)
LandlordState	The state of the landlord. For domestic addresses use the USPS 2-letter state abbreviation	string(2)
LandlordZip	The postal code of the landlord	string (5)
LandlordPhoneNumber	The phone number of the landlord	string (15)
LandlordPhoneExtension	The phone extension of the landlord	string (6)
LandlordEmail	The email address of the landlord	string (100)
UnitNumber	The property unit number	string(50)
Street	The property street address	string(100)
PropertyName	The property name	string(50)
City	The property city	string(50)
State	The property state abbreviation	string(2)
Zip	The property zip code	string(5)

Parameter	Description	Type
Classification	The property classification	<i>see table below</i>
IsFcraAgreementAccepted	Did the user accept the FCRA Agreement	bool

### Classifications

Enum Value	Description
Conventional	A conventional property
Subsidized	A subsidized property

### RequestParameters

**Description:** These parameters accompany your API order to define variables related to the order and how to respond to your postback endpoint.

**Requirements:** This model is required for all orders - `postbackUri` is required and will be used to send your order report data.

**Additional Notes:** If you supply values for `postback_username` and `postback_password`, the postback message will add an 'Authorization' header as follows:

`Authorization: base64encodedUsername:base64encodedPassword`

The `postbackUri` is vital. This is the Uri on your end which will accept the json POST Response Message containing the report data.

If you provide a `postback_username` and `postback_password` they will be used in the Response Message in the form of an Authorization header with the username and password base64 encoded Authorization:

`base64encodedUsername:base64encodedPassword`

While some parameters are listed as optional this is referring to the values only. *All parameters in this model need to be included in the request even if the strings are empty.*

### Model Definition

```
"RequestParameters": {
  "postbackUri": "http://your.postbackurl.com",
```

```

    "postback_password": "",
    "postback_username": "",
    "referenceId": "54321",
    "referenceText": "Credit check apartment 4",
    "redirectUri": "http://www.yoursite.com",
    "cartUrl": "http://www.yoursite.com/cart"
  }

```

Parameter	Description	Type	Requirements
postbackUri	The URI to your postback handler where the reports will be sent	string	Required
postback_username	The username value to be sent back as Basic Authentication to your postback endpoint	string	Optional
postback_password	The password value to be sent back as Basic Authentication to your postback endpoint	string	Optional
referenceId	Any reference ID value you'd like included with the postback messages i.e. your internal order ID	string	Optional
referenceText	Any arbitrary text value you'd like included with the postback messages	string	Optional
redirectUrl	After an application has been successfully ordered the customer will be redirected to this URL	string	Optional
cartUr	If the customer hits the "back" button during checkout they will be redirected to this URL	string	Optional