
Change Log

1. Change Log

2. 5/03/19

- added originalPayer to single application response object

3. 4/10/19

- added support for refund
 - additions to single application response object
 - total payment amount
 - total refund available
 - total refund fee
 - eligible for refund indicator
 - list of currently applied payments
 - new refundRequest object
 - new refund request endpoint

4. 3/25/19

- added rush to Application and ApplicationListItem

4.1. 3/4/19

- added PendingPayment array to Application

4.2. 2/22/19

- added reason field to extraPaymentDetail

4.3. 1/10/19

- added signature to application request

4.4. 1/2/19

- added ExtraPaymentDetail object
- added ExtraPaymentSubmission object
- added Extra Payment Detail request method
- added Extra Payment submission method

4.5. 12/3/18

- added FrozenCredit array to Application
- added rerun-credit endpoint

4.6. 11/26/18

- added 'Finish Uploads' method
- removed rental period and rental amount from applicant

4.7. 10/25/18

- added mainApplicationId to FeesAndDocsRequest
 - required if known
 - relationship is required if known
- added mainApplicationId to SetupRequest
 - required if known
 - relationship is required if known

4.8. 10/23/18

- Added Theme and ThemeValue definitions
- Added theme to PropertyInfoResponse

4.9. 10/16/18

- Added firstname and lastname to supplemental applicant invitation

4.10. 10/15/18

- Added Exceptions on Save partial application
 - DuplicateEmailException
 - DuplicateNameException
 - DuplicateSsnException

4.11. 10/10/18

- Added rejectionReason to DocumentTask

=== * added ownerUpdate DTO definition for validation

4.12. 9/24/18

- added java definitions with string length validation annotations in / requestDTODefinitions folder
 - server will validate incoming request objects according to those definitions
 - validation failures will generate an internal server error. The error body will contain details of the fields in violations similar to:

```
{
  "type" : "https://www.jhipster.tech/problem/constraint-violation",
  "title" : "Method argument not valid",
  "status" : 400,
  "path" : "/api/v1/tenant/save",
  "message" : "error.validation",
  "fieldErrors" : [ {
    "objectName" : "applicationReqDTO",
    "field" : "adults[0].cellPhone",
    "message" : "Size"
  }, {
    "objectName" : "applicationReqDTO",
    "field" : "ownerName",
    "message" : "Size"
  } ]
}
```

4.13. 9/18/18

- added moveInRentRequired to SetupResponse
- added to FeesAndDocsResponse
 - feesDueNow
 - feesDueLater
 - depositsAndFees DEPRECATED

4.14. 9/17/18

- added finalReportUrl to application
 - empty string if not authorized

4.15. 9/16/18

- added password validation criteria - increased min length to 8

4.16. 9/14/18

- Added OwnerSigningStatus to Application
- ownerInfoMissing is DEPRECATED

4.17. 9/12/18

- added to Application
 - string[] workingReferenceTasks
 - string[] completedReferenceTasks

4.18. 9/11/18

- added DocumentTask[] workingDocumentTasks to Application

4.19. 9/6/18

- added PendingApplicationId to SetupRequest (if available)

- this is necessary to account for a supplemental application request
- ApplicationApplicant[] to Application

4.20. 8/30/18

- Modified SignatureCompletionStatus
- Modified Application interface with a single SignatureCompletionStatus
 - added single SignatureCompletionStatus
 - deprecated SignatureCompletionStatus[] signingStatuses
- Added error key list

4.21. 8/29/18

- Modified ApplicationStatus interface
- Added signatureMissing to Application interface
- Added signatureMissing to ApplicationListItem interface
- Added allowNewApplicant to Application interface

4.22. 8/24/18

- Added new interface
 - SigningStatus
 - SignatureCompletionStatus
- Added SignatureCompletionStatus[] to Application interface
- Added waitingForOwnerSignature to Application interface
- Added new endpoints
 - change-password
 - new request object - PasswordChangeRequest
 - reset-password
 - new request object - KeyAndPasswordVM

- new endpoint reset-password/init
- new endpoint reset-password/finish

4.23. 8/23/18

- new endpoint
 - .../remove-document/{documentId}

4.24. 8/16/18

- new endpoint
 - .../complete-signature/{applicationId}
 - to be called after applicant is redirected back from Sertifi

4.25. 8/15/18

- removed setup response fields from application request as unneeded
- added numberOfOthersAllowed to SetupResponse

4.26. 8/14/18

- added ownerInfoMissing to application interface
- DocumentStatus has been changed

4.27. 8/13/18

- added additional parameters to setupResponse
 - ssnRequired
 - numberOfPetsAllowed
 - maxPetWeight
 - numberOfCarsAllowed
- added setupResponse fields to applicationRequest
 - client should add setupResponse field values to applicationRequest

- removed petsAllowed and maxPetWeight from propertyInfoResponse
 - info is in the setupResponse

4.28. 7/7/18

- added paymentAmount to applicationRequest

4.29. 7/5/18

- Added color property to Vehicle

4.30. 7/3/18

- Modified RegisterRequest - removed name fields, added langKey
- Added activate endpoint for new accounts

4.31. 7/2/18

- Added ListItem to describe the unit list array items in PropertyInfoResponse
- Added pendingApplicationId to ApplicationRequest
- Changed response in save method to return entire ApplicationRequest with the id updated

4.32. 6/30/18

- Login method — defined LoginRequest and LoginResponse interfaces

4.33. 6/28/18

- modified Register New User method and RegisterRequest interface

4.34. 6/27/18

- multiple fixes to fix inconsistencies following interface analysis
- removed 'Submit Payment' - obsolete use 'apply' to submit entire application

4.35. 6/26/18

- Incorporated proposed changes from telecon on 6/25 with Alex

4.36. 3/29/18 18:15 GMT

- Changed URI's to include version
- Simplified object naming
- Numerous method and object definition changes

5. Target URL's

5.1. Test and Development

```
https://dev.tenantev.com
```

5.2. QA

```
https://qa-r2.tenantevaluation.com
```

5.3. Production

```
https://r2.tenantevaluation.com
```



Each url will be made active as the code is ready for that stage

6. Method Definitions

6.1. Error responses

```
Exceptions produce application/problem+json with a Problem payload and appropriate HTTP Status code
```


6.2. Login

```
URL:                /api/v1/tenant/authenticate
Security Header:    none
Method:             POST
Request:            LoginRequest
Response:           LoginResponse
```

6.3. Register New User

```
URL:                /api/v1/tenant/register
Security Header:    none
Method:             POST
Request:            RegisterRequest
Response:           HTTP 201 Created
```

6.4. Activate New Account

```
URL:                /api/v1/tenant/activate?key={activationKey}
Security Header:    none
Method:             GET
Request:            {activationKey} - string
Response:           HTTP 200 OK
Throws:             500 (Internal Server Error) if the user couldn't be
                    activated
```

6.5. Change Password

```
URL:                /api/v1/tenant/change-password
Security Header:    Authorization: Bearer {jwt}
Method:             POST
Request:            PasswordChangeRequest
Response:           HTTP 204 NoContent
Throws:             InvalidPasswordException 400 (Bad Request) if the new
                    password is incorrect
```

6.6. Extra Payment Detail request

```
URL:                /api/v1/tenant/payment/{id}
```

Security Header: none
Method: GET
Request: {id} - extraPaymentId
Response: ExtraPaymentDetail
Throws:
UnknownPaymentException 400 (Bad Request) if id is incorrect or payment has already been processed.

6.7. Extra Payment submission

URL: /api/v1/tenant/payment
Security Header: none
Method: POST
Request: ExtraPaymentSubmission
Response: HTTP 204 NoContent
Throws:
PaymentDeclinedException 400 (Bad Request) if payment fails

6.8. Forgot Password (Initialize)

URL: /api/v1/tenant/reset-password/init
Security Header: none
Method: POST
Request: {email}
Response: HTTP 204 NoContent
Throws: EmailNotFoundException 400 (Bad Request) if the email address is not registered

6.9. Forgot Password (Finalize)

URL: /api/v1/tenant/reset-password/finish
Security Header: none
Method: POST
Request: KeyAndPasswordVM
Response: HTTP 204 NoContent
Throws: InvalidPasswordException 400 (Bad Request) if the password is incorrect
RuntimeException 500 (Internal Server Error) if the password could not be reset

6.10. Get Property Info

URL:	/api/v1/tenant/propertyinfo/{code}/{type}
Security Header:	Authorization: Bearer {jwt}
Method:	GET
Request:	{code} - number, {type} - ApplicationSubType
Response:	PropertyInfoResponse

6.11. Get Application Setup data

URL:	/api/v1/tenant/setup
Security Header:	Authorization: Bearer {jwt}
Method:	POST
Request:	SetupRequest
Response:	SetupResponse

6.12. Get Fee and Doc Upload requirements

URL:	/api/v1/tenant/fees
Security Header:	Authorization: Bearer {jwt}
Method:	POST
Request:	FeesAndDocsRequest
Response:	FeesAndDocsResponse

6.13. Submit New Application

URL:	/api/v1/tenant/apply
Security Header:	Authorization: Bearer {jwt}
Method:	POST
Request:	ApplicationRequest
Response:	Application

6.14. Save Partial Application

URL:	/api/v1/tenant/save
Security Header:	Authorization: Bearer {jwt}
Method:	POST
Request:	ApplicationRequest

Response: ApplicationRequest
Throws: DuplicateSsnException 400 (Bad Request) if the applicants
 have the same SSN
Throws: DuplicateEmailException 400 (Bad Request) if the applicants
 have the same email
Throws: DuplicateNameException 400 (Bad Request) if the applicants
 have the same name

6.15. Retrieve Partial Application to Resume

URL: /api/v1/tenant/resume/{id}
Security Header: Authorization: Bearer {jwt}
Method: GET
Request: {id} - Long (temporary id from save function)
Response: ApplicationRequest

6.16. Get ApplicationList

URL: /api/v1/tenant/applications
Security Header: Authorization: Bearer {jwt}
Method: GET
Request:
Response: ApplicationList

6.17. Get Single Application

URL: /api/v1/tenant/applications/{applicationId}
Security Header: Authorization: Bearer {jwt}
Method: GET
Request:
Response: Application

6.18. Sign Application

URL: /api/v1/tenant/signapplication
Security Header: Authorization: Bearer {jwt}
Method: POST
Request: SignApplicationRequest
Response: Application

6.19. Invite Additional Applicant

URL:	/api/v1/tenant/inviteApplicant
Security Header:	Authorization: Bearer {jwt}
Method:	POST
Request:	InviteApplicantRequest
Response:	HTTP 204 (no response body)

6.20. Upload Document

URL:	/api/v1/tenant/uploadDocument
Security Header:	Authorization: Bearer {jwt}
Method:	POST
Request:	UploadDocumentRequest
Response:	Document

6.21. Remove Document

URL:	/api/v1/tenant/remove-document/{documentId}
Security Header:	Authorization: Bearer {jwt}
Method:	GET
Request:	
Response:	HTTP 204 (no response body)

6.22. Update Owner Information

URL:	/api/v1/tenant/updateOwnerInformation
Security Header:	Authorization: Bearer {jwt}
Method:	POST
Request:	UpdateOwnerInformationRequest
Response:	

6.23. Cancel Application

URL:	/api/v1/tenant/cancelapplication/{applicationId}
Security Header:	Authorization: Bearer {jwt}
Method:	GET
Request:	

Response: HTTP 204 (no response body)

6.24. Finish Application Signature

URL: /api/v1/tenant/complete-signature/{applicationId}
Security Header: none
Method: GET
Request:
Response: HTTP 204 (no response body)

6.25. Finish Uploads

URL: /api/v1/tenant/finish-uploads/{applicationId}
Security Header: Authorization: Bearer {jwt}
Method: GET
Request:
Response: Application
Description: Expires all pending document tasks with at least 1 document uploaded

6.26. Resubmit Credit Report

URL: /api/v1/tenant/rerun-credit/{creditReportId}
Security Header: Authorization: Bearer {jwt}
Method: GET
Request:
Response: Application
Description: Resubmits specified credit report for processing

6.27. Request Refund

URL: /api/v1/tenant/refund
Security Header: Authorization: Bearer {jwt}
Method: POST
Request: RefundRequest
Response: HTTP 204 (no response body)
Description: Request Refund for unprocessed Application.
IdSpecification must specify the payment record ID

7. Request and Response Objects



All dates should be in ISO 8601 format (e.g. 2018-06-01 or 2018-06-01T18:25:43.511Z)

Table 1. ApplicationRequest

Type	Name	Notes
number	pendingApplicationId	
number	propertyId	
number	propertyCode	
number	mainApplicationId	
ApplicationSubType	applicationSubType	
Applicant[]	adults	
CoApplicantType	coApplicantType	
String	acknowledgerName	
String	noticeSignature	
Boolean	agree	
Date	dateSigned	
Boolean	acceptAssnDocuments	
String	realtorName	
String	realtorEmail	
String	realtorCountryCode	
String	realtorPhone	
Boolean	allowRealtorNotice	
Boolean	useRealtor	
Boolean	ownerInfoRequired	
String	ownerName	
String	ownerEmail	
String	ownerPhone	
String	buildingName	

Type	Name	Notes
String	houseNumber	
String	street	
String	unit	
String	zipcode	
String	city	
String	state	
number	monthlyRent	
Date	moveInDate	
number	leaseMonths	
String	ecName	
String	ecRelationship	
String	ecAddress	
String	ecCountry	
String	ecCity	
String	ecState	
String	ecCell	
String	ecHome	
String	ecEmail	
OtherOccupant[]	others	
Vehicle[]	vehicles	
Pet[]	pets	
number	paymentAmount	
String	billingName	
String	billingStreet1	
String	billingStreet2	
String	billingCity	
String	billingState	

Type	Name	Notes
String	billingZipcode	
Boolean	internationalBillingAddress	
String	cardExp	
String	cardCvv2	
String	cardNumber	
Boolean	rush	

Table 2. ExtraPaymentDetail

Type	Name	Notes
number	applicationId	
number	amount	
string	reason	

Table 3. ExtraPaymentSubmission

Type	Name	Notes
number	extraPaymentId	
string	signature	
String	billingName	
String	billingStreet1	
String	billingStreet2	
String	billingCity	
String	billingState	
String	billingZipcode	
Boolean	internationalBillingAddress	
String	cardExp	
String	cardCvv2	
String	cardNumber	

Table 4. FeesAndDocsRequest

Type	Name	Notes
number	propertyId	
ApplicationSubType	applicationType	
number	numberOfApplicants	
CoApplicantType	relationship	REQUIRED if known
number	numberOfVehicles	
number	numberOfPets	
ResidenceCountryId	residenceCountries	
integer	mainApplicationId	REQUIRED if known

Table 5. FeesAndDocsResponse

Type	Name	Notes
PricedItem[]	depositsAndFees	DEPRECATED
PricedItem[]	feesDueNow	
PricedItem[]	feesDueLater	
String[]	documents	

Table 6. RefundRequest

Type	Name	Notes
number	applicationId	application ID
string	signature	

Table 7. InviteApplicantRequest

Type	Name	Notes
string	email	
CoApplicantType	coApplicantType	
number	applicationId	
string	firstName	@NotNull @Size(min = 1, max = 50)
string	lastName	@NotNull @Size(min = 1, max = 50)

Table 8. KeyAndPasswordVM

Type	Name	Notes
string	key	
String	newPassword	minLength = 8, at least 1 each upper/lower/ number

Table 9. LoginRequest

Type	Name	Notes
String	username	@NotNull @Size(min = 1, max = 50)
String	password	@NotNull @Size(min = 8, max = 100) at least 1 each upper/lower/number
Boolean	rememberMe	

Table 10. LoginResponse

Type	Name	Notes
String	id_token	JSON Web Token

Table 11. PasswordChangeRequest

Type	Name	Notes
string	currentPassword	
String	newPassword	minLength = 8, at least 1 each upper/lower/ number

Table 12. PropertyInfoResponse

Type	Name	Notes
number	propertyId	
String	buildingName	
String	address	composite address line
String	houseNumber	
String	street	
String	streetType	
String	unit	

Type	Name	Notes
ListItem[]	unitList	
String	city	
String	state	
String	zipcode	
Boolean	ownerInfoRequired	
number	rushProcessingPrice	
String	propertyNotice	
number	minLeaseMonths	
Boolean	prefillAddress	
Theme	theme	may be null

Table 13. RegisterRequest

Type	Name	Notes
String	login	@NotNull @Size(min = 1, max = 50) Regex = ^[_.@A-Za-z0-9-]*\$
String	email	@NotNull @Email @Size(min = 5, max = 100)
String	password	@NotNull @Size(min = 4, max = 100) at least 1 each upper/lower/number
String	langKey	IETF PCP 47 language tag string (if blank, will be set to 'en')
String	firstName	@NotNull @Size(max = 50)
String	lastName	@NotNull @Size(max = 50)

Table 14. SetupRequest

Type	Name	Notes
number	propertyId	
ApplicationSubType	ApplicationSubType	
number	numberOfApplicants	
CoApplicantType	relationship	REQUIRED if known

Type	Name	Notes
number	numberOfPets	
number	pendingApplicationId	from ApplicationRequest (if available)
integer	mainApplicationId	REQUIRED if known

Table 15. SetupResponse

Type	Name	Notes
number	applicationFee	
PricedItem[]	feesIncluded	
Boolean	currentAddressRequired	
Boolean	employmentRequired	
Boolean	referenceRequired	
Boolean	contactRequired	
Boolean	ssnRequired	
number	numberOfPetsAllowed	limit
number	maxPetWeight	
number	numberOfCarsAllowed	limit
number	numberOfOthersAllowed	limit
Boolean	moveInRentRequired	

Table 16. SignApplicationRequest

Type	Name	Notes
number	applicationId	
string	acknowledgerName	
string	noticeSignature	

Table 17. UploadDocumentRequest

Type	Name	Notes
number	documentTaskId	
string	filename	
string	fileMimeType	

Type	Name	Notes
string	fileData	

Table 18. UpdateOwnerInformationRequest

Type	Name	Notes
number	applicationId	
string	fullName	
string	phone	
string	email	

8. Supporting Object Definitions

Table 19. AnimalType

Type	Name	Notes
Enum (string key)	D = Dog	
	C = Cat	
	O = Other	

Table 20. Applicant

Type	Name	Notes
String	initials	
String	firstName	
String	middleInitial	
String	lastName	
String	ssn	
Date	dob	
String	passportNumber	
String	licenseNumber	
Boolean	citizen	
String	citizenship	

Type	Name	Notes
String	passportCountry	
String	cellPhoneCC	
String	cellPhone	
String	otherPhone	
String	email	
String	licenseName	
String	licenseState	
Boolean	beenSued	
Boolean	filedBankruptcy	
Boolean	beenArrested	
Boolean	beenConvicted	
Boolean	brokenLease	
Boolean	beenEvicted	
Boolean	litigationPending	
Boolean	allowTextMessages	
String	remarks	
Boolean	actDutyMilitary	
CurrentResidenceCity	currentResidentType	
String	houseNumber	
String	street	
String	streetType	
String	apartmentNo	
String	zipcode	
String	city	
String	state	
String	country	
number	years	

Type	Name	Notes
number	months	
String	landlordName	
String	landlordPhone	
String	landlordEmail	
Boolean	beenVacated	
Boolean	gaveAdequateNotice	
String	familyName	
String	familyPhone	
String	familyRelationship	
Boolean	employerContactAllowed	
EmploymentType	employmentType	
String	empFirm	
String	empCountry	
String	empAddress	
String	empZipcode	
String	empState	
String	empCity	
String	empTitle	
Date	empStart	
number	empAmount	
SalaryPeriod	salaryPeriod	
String	supName	
String	supTitle	
String	supPhone	
String	supEmail	
String	busType	
String	busYears	

Type	Name	Notes
String	busPhone	
String	busName	
ApplicantReference	reference1	
ApplicantReference	reference2	

Table 21. ApplicantReference

Type	Name	Notes
String	name	
RelationshipType	relationship	
String	country	
String	cellPhone	
String	homePhone	
String	email	

Table 22. Application

Type	Name	Notes
number	applicationId	
ApplicationStatus	status	
string	payerName	first payment
string	account	first payment
string	transactionId	first payment
number	amountPaid	first payment
date	paymentDate	first payment
DocumentTask[]	pendingDocumentTasks	
DocumentTask[]	workingDocumentTasks	
DocumentTask[]	completedDocumentTasks	
VerificationTask[]	pendingVerifications	
VerificationTask[]	completedVerifications	
FrozenCredit[]	frozenCreditReports	

Type	Name	Notes
boolean	ownerInfoMissing	DEPRECATED
SignatureCompletionStatus	signingStatus	
SignatureCompletionStatus	signingStatuses	DEPRECATED
boolean	waitingForOwnerSignature	
boolean	signatureMissing	Authorization Signature Missing
boolean	allowNewApplicant	
ApplicantApplicant[]	applicants	
string[]	workingReferenceTasks	
string[]	completedReferenceTasks	
OwnerSigningStatus	ownerSigningStatus	
string	finalReportUrl	empty string if not authorized
PendingPayment[]	pendingPayments	
boolean	rush	
ApplicationPayment[]	payments	
number	totalPayments	
boolean	refundEligible	
number	refundAvailable	
number	refundFee	
string	originalPayer	

Table 23. ApplicationPayment

Type	Name	Notes
number	paymentId	
number	amount	

Table 24. ApplicationApplicant

Type	Name	Notes
string	name	
string	email	

Table 25. ApplicationList

Type	Name	Notes
ApplicationList	applications	

Table 26. ApplicationListItem

Type	Name	Notes
number	applicationId	
number	pendingApplicationId	
string	buildingName	
string	address	
ApplicationStatus	status	
boolean	signatureMissing	Authorization Signature Missing
boolean	rush	null if pending application

Table 27. ApplicationStatus

Type	Name	Notes
Enum (string key)	W = In Process	
	C = Closed	
	X = Cancelled	
	R = Cancelled and Refund Requested	
P = Pending	Unsubmitted	S = Waiting to process

Table 28. ApplicationSubType

Type	Name	Notes
Enum (string key)	T = Rent/ Lease	
	O = Purchase	
	G = Guest	

Table 29. CoApplicantType

Type	Name	Notes
Enum (string key)	S = Married	
	O = Roommate	
	W = With Existing Tenant	

Table 30. CurrentResidenceType

Type	Name	Notes
Enum (string key)	R = Rent	
	O = Own	
	D = Living with family/ friend	

Table 31. Document

Type	Name	Notes
number	documentId	
string	fileName	
string	fileUrl	

Table 32. DocumentStatus

Type	Name	Notes
Enum (string key)	P = Waiting for upload	Additional uploads allowed
	L = Locked	No further documents may be uploaded
	U = Needs PII Review	May contain personal data - No further documents may be uploaded
	R = Sanitized	At least 1 document has been uploaded and reviewed to mask personal data - further documents may not be uploaded

Type	Name	Notes
	N = N/A	Not Applicable

Table 33. DocumentTask

Type	Name	Notes
number	documentTaskId	
string	name	
string	description	
boolean	multipleFiles	
string[]	acceptedMimeType	
DocumentStatus	status	
Document[]	documents	
string	rejectionReason	

Table 34. EmploymentType

Type	Name	Notes
Enum (string key)	D = Disabled	
	E = Employed	
	F = Student	
	W = Homemaker	
	R = Retired	
	S = Self-Employed	
	U = Unemployed	

Table 35. FrozenCredit

Type	Name	Notes
number	creditReportId	
string	name	

Type	Name	Notes
string	bureau	

Table 36. ListItem

Type	Name	Notes
String	label	
String	value	

Table 37. OtherOccupant

Type	Name	Notes
String	name	
String	relationship	
String	occupation	
number	age	

Table 38. OwnerSigningStatus

Type	Name	Notes
Enum (string key)	NOT_REQUIRED	
	OWNER_INFO_MISSING	
	WAITING_APPLICANT_SIGNING	
	WAITING_OWNER_RESPONSE	
	COMPLETE	

Table 39. PendingPayment

Type	Name	Notes
String	url	
number	amount	
string	reason	

Table 40. Pet

Type	Name	Notes
String	name	

Type	Name	Notes
String	breed	
number	age	
number	weight	
AnimalType	petType	
Sex	petSex	
String	license	
String	description	

Table 41. PricedItem

Type	Name	Notes
String	description	
number	amount	
boolean	includedInPayment	

Table 42. Problem

Type	Name	Notes
URI	type	Url to a general explanation document
string	detail	
string	title	
number	status	HTTP status code
string	instance	Url to an instance specific explanation

Table 43. RelationshipType

Type	Name	Notes
Enum (string key)	12 = Friend	
	15 = Coworker	
	16 = Business Partner	

Type	Name	Notes
	18 = Colleague	

Table 44. ResidenceCountry

Type	Name	Notes
number	applicantNumber	
String	countryOfResidence	
CurrentResidenceType	residenceType	

Table 45. SalaryPeriod

Type	Name	Notes
Enum (string key)	1 = Monthly	
	2 = Semi-Monthly	
	3 = Bi-Weekly	
	4 = Weekly	
	5 = Yearly	

Table 46. Sex

Type	Name	Notes
Enum (string key)	M = Male	
	F = Female	

Table 47. SignatureCompletionStatus

Type	Name	Notes
String	name	
String	url	
SigningStatus	signingStatus	

Table 48. SigningStatus

Type	Name	Notes
Enum (string key)	UNKNOWN	
	UNSIGNED	
	SIGNED	
	PARTIALLY_SIGNED	
	DECLINED	Applicant declined to sign
	EXPIRED	Document has expired
	NOT_REQUIRED	Signing is not required
	ERROR	Signing service processing error

Table 49. Theme

Type	Name	Notes
string	name	
ThemeValue[]	values	

Table 50. ThemeValue

Type	Name	Notes
string	key	
string	value	

Table 51. ValueObject

Type	Name	Notes
string	value	

Table 52. Vehicle

Type	Name	Notes
String	make	
String	model	
number	year	
String	vin	

Type	Name	Notes
String	tag	
String	state	
String	insuranceCompany	
String	color	

Table 53. VerificationTask

Type	Name	Notes
number	itemId	
VerificationItemType	Type	
string	name	
string	description	
VerificationStatus	status	

Table 54. VerificationItemType

Type	Name	Notes
Enum (string key)	EMPLOYMENT = Employment Reference	
	REFERENCE = Personal Reference	
	RESIDENCE = Landlord Reference	

Table 55. VerificationStatus

Type	Name	Notes
Enum (string key)	W = Waiting for response	
	U = Under review	

Type	Name	Notes
	A = Accepted	

Table 56. Exceptions

HTTP Code	errorKey	Notes
400	duplicate.applicant	
400	invalid.document.id	
400	invalid.task.id	
400	uploads.locked	
400	unauthenticated	
400	email.exists	
400	invalid.application.id	
400	invalid.application.type	
400	invalid.pending.application	
400	invalid.property.code	
400	unknown.login	
400	unauthorized.view.final.report	
400	cancel.not.allowed	
400	duplicate.applicant.ssn	
400	duplicate.applicant.email	
400	duplicate.applicant.name	

