

Origination REST Web Services User Guide

## **Oracle Financial Services**

### **Lending and Leasing**

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Origination REST Web Services User Guide  
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# 1. Origination REST Web Services

The following sections of the document outlines the various 'Origination' related REST web services available in Oracle Financial Services Lending and Leasing.

This document is organized in the following:

- List of Origination REST Web Services with Input Attribute Parameters
- Default response for services will be application/json, in order to get the xml response below http header parameter need to be passed.

Header	Value
Accept	application/xml

Before you begin,

- You can access the following link, which consists of a zip file with sample Request and Response xml / json for each web service listed below.

[https://docs.oracle.com/cd/E89525\\_01/pdf/webservices/WebServicesDocuments.zip](https://docs.oracle.com/cd/E89525_01/pdf/webservices/WebServicesDocuments.zip)

## 1.1 List of Origination REST Web Services

Following are the available Origination related REST web services:

- [Application Entry \(POST\)](#)
- [Application Update \(PUT\)](#)
- [Application Details \(GET\)](#)
- [Application Search Service \(GET\)](#)
- [Application Document Upload \(POST\)](#)
- [Get List of Documents \(GET\)](#)
- [Application Document Download \(GET\)](#)
- [Application Checklist \(GET\)](#)
- [Application Comments \(GET\)](#)
- [Application Comments \(POST\)](#)
- [Application ACH \(GET\)](#)
- [Application ACH \(POST\)](#)
- [Application Status Change \(PUT\)](#)
- [Scenario Analysis \(GET\)](#)
- [Scenario Analysis \(POST\)](#)
- [Calculator Service \(POST\)](#)

## 1.2 Details of Web Services with Input Attribute Parameters

### 1.2.1 Application Entry (POST)

#### Details of Application Entry Service

<b>Service Name</b>	Application Entry
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application
<b>Service Method</b>	POST
<b>Purpose of service</b>	This service is used to create an application from external interface.
<b>Input Schema</b>	applicationentry.xsd
<b>Input Type</b>	application/json or application/xml.
<b>Authorization Key</b>	FLL.APPLICATIONENTRYRESOURCE.POST.APPLICATIONENTRY

#### Input Attribute Parameters

Attribute	Use	Data Type	Comments
<b>Application</b>			
UserCode	Optional	String	Max Length 30
<b>ApplicationData</b>			
Date	Required	Date(YYYY-MM-DDTHH:MM:SS)	
Product	Required	String	Max Length 30
SalesLeadNumber	Optional	String	Max Length 30
Source	Required	String	Max Length 30
PriorityCode	Required	String	Max Length 30
CompanyCode	Required	String	Max Length 30
BranchCode	Required	String	Max Length 30
Purpose	Optional	String	Max Length 30
ProducerTypeCode	Required	String	Max Length 30

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
ProducerNumber	Required	String	Max Length 30
ClassType	Optional	String	Max Length 30
JointInd	Required	String	Y or N
CosignedInd	Required	String	Y or N
Contact	Optional	String	Max Length 30
CapitalizedCost	Optional	Number	Decimal
CreditLimit	Optional	Number	Decimal
RequestedAdvanceAmount	Required	Number	Decimal
RequestedPaymentAmount	Required	Number	Decimal
RequestedTerm	Optional	Number	Integer
RequestedRate	Optional	Number	Decimal
DownPaymentPercent	Required	Number	Decimal
DownPaymentAmount	Required	Number	Decimal
CashPrice	Optional	Number	Decimal
RequestedPromotionCode	Optional	Number	Decimal
BalloonAmount	Optional	Number	Decimal
SigningDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
ProbableDeliveryDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
CreditBureauPullInd	Required	String	Y or N
WarningOkInd	Required	String	Y or N
OverrideOkInd	Required	String	Y or N
LoanCurrencyCode	Optional	String	
<b>ApplicantData</b>			

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
RelationType	Required	String	Max Length 30
PermitToStay	Required		
PermitToWork	Required		
FirstName	Required	String	Max Length 30
MiddleName	Optional	String	Max Length 30
FamilyName	Optional	String	Max Length 30
LastName	Required	String	Max Length 30
GenerationCode	Optional	String	Max Length 30
SSN	Required	Number	Positive Integer
BirthDate	Required	Date(YYYY-MM-DDTHH:MM:SS)	
DisabilityInd	Required	String	Y or N
PriorBankruptcyInd	Required	String	Y or N
PriorBankruptcyDischargeDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
GenderCode	Optional	String	Max Length 30
LanguageCode	Required	String	Max Length 30
DrivingLicenseNumber	Optional	String	Max Length 30
DrivingLicenseStateCode	Optional	String	Max Length 30
EmailAddress	Optional	String	Max Length 160
ClassType	Required	String	Max Length 30
MaritalStatus	Optional	String	Max Length 30
NumberOfDependents	Optional	Number	Positive Integer
MotherMaidenName	Optional	String	Max Length 30
CreditBureauECOACode	Optional	String	Max Length 30

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
RaceNationalOriginCode	Optional	String	Max Length 30
EthnicCode	Optional	String	Max Length 30
Initials	Optional	String	Max Length 30
MaidenMIName	Optional	String	Max Length 30
SpecialityType	Optional	String	Max Length 30
SalutationCode	Optional	String	Max Length 30
PrivacyOptOutInd	Optional	String	Y or N
InsuranceOptOutInd	Optional	String	Y or N
MarketingOptOutInd	Optional	String	Y or N
ShareCreditOptOutInd	Optional	String	Y or N
PassportNumber	Optional	String	Max Length 30
VisaNbr	Optional	String	Max Length 30
NationalId	Required	String	Max Length 30
Nationality	Required	String	Max Length 30
Timezone	Optional	String	Max Length 30
PassportIssueDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
PassportExpiryDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
PassportIssuingCountry	Optional	String	Max Length 2
KycRefNbr	Optional	String	Max Length 30
KycStatus	Optional	String	Max Length 30
BirthPlace	Optional	String	Max Length 30
BirthCountryCd	Optional	String	Max Length 3
UsResInd	Optional	String	Y or N



Attribute	Use	Data Type	Comments
CustomerCategoryCd	Optional	String	Max Length 30
UpdateCustomerInfo	Optional	String	Y or N
LocalLanguageName	Optional	String	Max Length 30
SCRAInd	Required	String	Y or N
SCRARefNbr	Optional	String	Max Length 30
SCRAEffectiveDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
SCRAReleaseDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
PaIssuedInd	Optional	String	Y or N
MaidenName	Optional	String	Max Length 30
PaHolderName	Optional	String	
PaAddress	Optional	String	
PaHolderAdrCntryCd	Optional	String	
PaHolderNationalityCd	Optional	String	
PaHolderPhonelsdCd	Optional	String	
PaHolderPhone	Optional	String	
<b>ApplicantData – Address</b>			
Type	Required	String	Max Length 30
CurrentInd	Required	String	Y or N
ConfirmedInd	Required	String	Y or N
MailingInd	Required	String	Y or N
PermissionToCallInd	Required	String	Y or N
Number	Required	String	Max Length 30
StreetPreType	Optional	String	Max Length 30

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
StreetPostType	Optional	String	Max Length 30
StreetName	Optional	String	Max Length 30
StreetType	Optional	String	Max Length 30
SuiteNumber	Optional	Number	Positive Integer
Zip	Required	Number	6 digit Positive Integer
City	Required	String	Max Length 30
State	Required	String	Max Length 30
ZipExtension	Optional	Number	Positive Integer
Country	Required	String	Max Length 2
Phone	Required	Number	Positive Integer
Ownership	Required	String	Max Length 30
Years	Required	Number	Positive Integer
Months	Required	Number	Positive Integer
Amount	Required	Number	Decimal
Frequency	Required	String	Max Length 30
Landlord	Optional	String	Max Length 30
LandlordPhone	Optional	Number	Positive Integer
LandlordPhoneIsdCd	Optional	Number	Integer( 0 – 999)
ContactPhone	Optional	Number	Positive Integer
PhoneIsdCd	Optional	Number	Integer( 0 – 999)
Block	Required	String	Max Length 30
Location	Required	String	Max Length 30
Comment	Optional	String	Max Length 240
Address1	Optional	String	Max Length 80
Address2	Optional	String	Max Length 80

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
Address3	Optional	String	Max Length 80
Frequency	Required	String	Max Length 30
CurrencyCode	Required	String	Max Length 30
CurrencyAmount	Optional	Number	Positive Integer
ActualYears	Required	Number	Positive Integer
ActualMonths	Required	Number	Positive Integer
ActualFrequency	Required	String	Max Length 30
CURActualAmt	Required	Number	Decimal
CURStatedAmt	Required	Number	Decimal
ActualAmount	Required	Number	Decimal
CURStatedMonthlyAmt	Required	Number	Decimal
CURActualMonthlyAmt	Required	Number	Decimal
PhonelsdCd	Optional	String	Integer( 0 – 999)
ContactPhonelsdCd	Optional	String	Integer( 0 – 999)
VerifyDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
VerifiedBy	Optional	String	Max Length 30
<b>ApplicantData - Address – CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			

Attribute	Use	Data Type	Comments
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData – EmploymentDetails</b>			
Type	Required	String	Max Length 30
CurrentInd	Required	String	Y or N
Name	Required	String	Max Length 30
AddressNumber	Optional	String	Max Length 30
Address1	Required	String	Max Length 80
Address2	Required	String	Max Length 80
Zip	Required	Number	6 Digit Positive Integer
City	Required	String	Max Length 30
State	Required	String	Max Length 30
ZipExtension	Required	Number	Positive Integer
Country	Optional	String	Max Length 30
OccupationCode	Optional	String	Max Length 30
Department	Optional	String	Max Length 30
EmployeeId	Optional	String	Max Length 30
Title	Optional	String	Max Length 80
Phone	Required	Number	Positive Integer
PhoneExtension	Required	Number	6 Digit Positive Integer
PermissionToCall	Required	String	Y or N
Contact	Optional	String	Max Length 30
ContactTitle	Optional	String	Max Length 80
ContactPhone	Required	Number	Positive Integer

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
ContactPhoneExtension	Optional	Number	6 Digit Positive Integer
Years	Required	Number	Positive Integer
Months	Required	Number	Positive Integer
Frequency	Required	String	Max Length 30
Comment	Required	String	Max Length 30
CurrencyCode	Required	String	Max Length 240
Amount	Optional	Number	Decimal
ActualYears	Optional	Number	Positive Integer
ActualMonths	Optional	Number	Positive Integer
ActualAmount	Optional	Number	Decimal
CurrencyStatedAmount	Required	Number	Decimal
CurrencyStatedMonthlyAmount	Required	Number	Decimal
CurrencyActualAmount	Optional	Number	Decimal
ActualFrequency	Optional	String	Max Length 30
StatedPayDayDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
ActualPayDayDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData – EmploymentDetails – CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30

Attribute	Use	Data Type	Comments
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	
ApplicantData – Liability			
Type	Required	String	Max Length 30
Frequency	Required	String	Max Length 30
Amount	Optional	Number	Decimal
AccountType	Optional	String	Max Length 30
AccountBalance	Optional	Number	Decimal
Comment	Optional	String	Max Length 240
CurrencyCode	Optional	String	Max Length 30
CurrencyAmount	Optional	Number	Positive Integer
<b>ApplicantData - Liability –CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM)	

Attribute	Use	Data Type	Comments
		:SS)	
<b>ApplicantData –Income</b>			
Type	Required	String	Max Length 30
Frequency	Required	String	Max Length 30
CurrencyCode	Optional	String	Max Length 30
CurrencyAmount	Optional	Number	Decimal
CURActualMonthlyAmt	Optional	Number	Decimal
IncludeInd	Required	String	Y or N
VerifiedDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
VerifiedBy	Optional	String	Max Length 30
<b>ApplicantData –Finance</b>			
Type	Required	String	Max Length 30
Source	Optional	String	Max Length 30
Amount	Optional	Number	Decimal
CurrencyAmount	Optional	Number	Decimal
IncludeInd	Optional	String	Y or N
Comment	Optional	String	Max Length 30
CurrencyCode	Optional	String	Max Length 30
AccountNumber	Optional	String	Max Length 30
<b>ApplicantData –Telecoms.</b>			
Type	Required	String	Max Length 30
CurrentInd	Required	String	Max Length 30
PhoneExtension	Required	Number	6 Digit Positive Integer
Phone	Required	Number	Positive Integer

Attribute	Use	Data Type	Comments
PhonelsdCd	Optional	String	Integer 0-999
PermissionToCall	Required	String	Max Length 30
TimeZone	Optional	String	Max Length 30
BestDayToCall	Optional	String	Max Length 30
StartTime	Optional	String	Max Length 30
EndTime	Optional	String	Max Length 30
StartTimePeriod	Optional	String	Max Length 30
EndTimePeriod	Optional	String	Max Length 30
<b>ApplicantData –Telecoms –CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	
<b>BusinessDetails</b>			
OrganizationTypeCode	Required	String	Max Length 30
BusinessTypeCode	Required	String	Max Length 30
BusinessName	Required	String	Max Length 30
LegalName	Required	String	Max Length 30
CurrencyCode	Required	String	Max Length 30



Attribute	Use	Data Type	Comments
TaxId	Required	String	Max Length 30
CurrentEmployees	Required	Number	Positive Integer
NumberOfEmployess	Required	Number	Positive Integer
ContactPerson	Optional	String	Max Length 30
NumberOfLocations	Required	Number	Positive Integer
CurrentManagementSince	Required	Number	Positive Integer
CheckingBank	Required	String	Max Length 30
StartDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
BankAccountNumber	Required	String	Max Length 30
AverageCheckingBalance	Required	Number	Decimal
CurrencyAvgCheckingBalance	Required	Number	Decimal
<b>BusinessDetails - BusinessAddress</b>			
AddressTypeCode	Required	String	
AddressNumber	Required	String	Max Length 30
City	Required	String	Max Length 30
State	Required	String	Max Length 30
Zip	Required	Number	6 Digit Positive Integer
Country	Required	String	Max Length 2
OwnershipCode	Required	String	Max Length 30
Phone	Required	String	Max Length 30
PostalAddressCode	Optional	String	Max Length 30
CurrentInd	Required	String	Y or N
MailingInd	Required	String	Y or N
StreetName	Optional	String	Max Length 30

Attribute	Use	Data Type	Comments
StreetTypeCode	Optional	String	Max Length 30
StreetPreTypeCode	Optional	String	Max Length 30
StreetPostTypeCode	Optional	String	Max Length 30
SuiteNumber	Optional	Number	Positive Integer
Address1	Required	String	Max Length 80
Address2	Optional	String	Max Length 80
ZipExtension	Optional	Number	Positive Integer
Comment	Optional	String	Max Length 240
<b>BusinessDetails - BusinessPartners</b>			
FirstName	Required	String	Max Length 30
LastName	Required	String	Max Length 30
Networth	Required	String	Max Length 30
GrossIncome	Required	String	Max Length 30
SSN	Required	Number	Positive Integer
Phone	Required	Number	Positive Integer
MiddleName	Optional	String	Max Length 30
GenerationCode	Optional	String	Max Length 30
BirthDateType	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
BirthPlace	Optional	String	Max Length 80
Title	Optional	String	Max Length 80
OwnershipPercent	Required	Number	Positive Integer
LanguageCode	Optional	String	Max Length 30
RaceNationalOriginCode	Optional	String	Max Length 30
Email	Optional	String	Max Length 160

Attribute	Use	Data Type	Comments
Phone	Required	String	Positive Integer
PhoneExtension	Optional	Number	6 Digit Positive Integer
AddressNumber	Required	String	Max Length 30
PostalAddressTypeCode	Optional	String	Max Length 30
StreetName	Optional	String	
StreetTypeCode	Optional	String	
StreetPreTypeCode	Optional	String	
StreetPostTypeCode	Optional	String	
Address1	Required	String	Max Length 80
Address2	Optional	String	Max Length 80
City	Required	String	Max Length 30
StateCode	Required	String	Max Length 30
Zip	Required	Number	6 Digit Positive Integer
ZipExtension	Optional	Number	Positive Integer
CountryCode	Required	String	Max Length 2
<b>BusinessDetails - BusinessPartners –CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM)	

Attribute	Use	Data Type	Comments
		:SS)	
<b>BusinessDetails - BusinessAffiliates</b>			
OrganizationTypeCode	Required	String	Max Length 30
LegalName	Required	String	Max Length 30
BusinessName	Required	String	Max Length 30
OwnershipPercent	Required	Number	Positive Integer
NumberOfEmployees	Required	Number	Positive Integer
NaicsCode	Required	String	Max Length 30
TaxId	Required	String	Max Length 30
AddressNumber	Required	String	Max Length 80
Address1	Required	String	Max Length 80
Address2	Optional	String	Max Length 80
City	Required	String	Max Length 30
StateCode	Required	String	Max Length 30
Zip	Required	Number	6 Digit Positive Integer
ZipExtension	Optional	Number	Positive Integer
CountryCode	Required	String	Max Length 2
<b>BusinessDetails - BusinessAffiliates –CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30

Attribute	Use	Data Type	Comments
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	
<b>BusinessDetails - BusinessTelecoms</b>			
TelecomTypeCode	Required	String	Max Length 30
Phone	Required	Number	Positive Integer
CurrentInd	Required	String	Y or N
PhoneExtension	Optional	Number	6 Digit Positive Integer
<b>BusinessDetails - BusinessFinancials</b>			
FinancialTypeCode	Required	String	Max Length 30
CurrencyAmount	Optional	Number	Integer
IncludeInd	Required	String	Y or N
CurrencyCode	Optional	String	Max Length 30
Source	Optional	String	Max Length 30
Comment	Optional	String	Max Length 240
Amount	required	Number	Decimal
<b>BusinessDetails - BusinessTelecoms –CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-	

Attribute	Use	Data Type	Comments
		DDTHH:MM:SS)	
<b>BusinessDetails - BusinessLiabilities</b>			
LiabilityTypeCode	Required	String	Max Length 30
Amount	Required	Number	Decimal
CurrencyCode	Optional	String	Max Length 30
CurrencyAmount	Optional	Number	Positive Integer
FrequencyCode	Required	String	Max Length 30
AccountType	Required	String	Max Length 30
AccountBalance	Required	Number	Decimal
CurrencyAccountBalance	Required	Number	Decimal
Comment	Optional	String	Max Length 240
IncludeInd	Required	String	Y or N
<b>BusinessDetails - BusinessLiabilities –CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	
<b>BusinessDetails - TrackingAttributes</b>			
Parameter	Required	String	Max Length 30

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
Value	Required	String	Max Length 30
SubParameter	Optional	String	Max Length 30
<b>ApplicationCollateralDetails</b>			
IdentificationNumber	Required	String	Max Length 30
AssetId	Optional	String	Max Length 30
ExistingAssetInd	Optional	String	Y or N
ExistingAssetId	Optional	Number	10 Digit Positive Integer
PrimaryInd	Required	String	Y or N
Class	Required	String	Max Length 30
Type	Required	String	Max Length 30
SubType	Required	String	Max Length 30
Occupancy	Optional	String	Max Length 30
StatusCode	Optional	String	Max Length 30
Year	Required	Number	Positive Integer
Make	Optional	String	Max Length 30
Model	Optional	String	Max Length 30
Body	Optional	String	Max Length 80
RegistrationNumber	Required	String	Max Length 30
AddressNumber	Optional	String	Max Length 30
Address1	Optional	String	Max Length 80
Address2	Optional	String	Max Length 30
Zip	Optional	Number	6 Digit Positive Integer
City	Optional	String	Max Length 30
State	Optional	String	Max Length 30
ZipExtension	Optional	Number	Positive Integer

<b>Attribute</b>	<b>Use</b>	<b>Data Type</b>	<b>Comments</b>
CountyCode	Optional	String	Max Length 6
Description	Optional	String	Max Length 30
Condition	Optional	String	Max Length 30
Country	Optional	String	Max Length 2
UsageStart	Required	Number	Positive Integer
BaseUsage	Required	Number	Positive Integer
ExtraUsage	Required	Number	Positive Integer
TotalUsage	Required	Number	Positive Integer
UsageCost	Required	Number	Decimal
CensusTract	Optional	String	Max Length 30
MSACode	Optional	String	Max Length 30
GEOCode	Optional	String	Max Length 30
Width	Optional	String	Max Length 30
Length	Optional	String	Max Length 30
Area	Optional	String	Max Length 30
PurchaseOrderNumber	Optional	String	Max Length 30
LegalDescription	Optional	String	Max Length 30
Lot	Optional	String	Max Length 30
SubDivision	Optional	String	Max Length 30
ParcelID	Optional	String	Max Length 30
MetesBounds	Optional	String	Y or N
FloodZone	Optional	String	Y or N
NotRequired1098	Optional	String	Y or N
ConstructionPermitDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	



Attribute	Use	Data Type	Comments
DeedDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
DeedPlaceofIssue	Optional	String	Max Length 30
PropertiesBoundaryFromEast	Optional	String	Max Length 30
North	Optional	String	Max Length 30
West	Optional	String	Max Length 30
South	Optional	String	Max Length 30
<b>ApplicationCollateralDetails –ValuationDetails</b>			
CurrentInd	Required	String	Y or N
ValuationDate	Required	Date(YYYY-MM-DDTHH:MM:SS)	
SourceCode	Required	String	Max Length 30
Supplement	Required	String	Max Length 30
Edition	Required	String	Max Length 30
WholesaleBaseAmount	Required	Number	Decimal
Usage	Required	Number	Positive Integer
RetailValue	Required	Number	Positive Integer
CurrencyCode	Optional	String	Max Length 30
TotalValue	Required	String	Max Length 30
AddonsValue	Required	Number	Decimal
<b>ApplicationCollateralDetails - ValuationDetails –CustomFields</b>			
CustomUserDefinedStringData			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			

Attribute	Use	Data Type	Comments
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
<b>CustomUserDefinedDateData</b>			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicationTradein</b>			
Type	Required	String	Max Length 30
SubType	Required	String	Max Length 30
Year	Required	Number	Positive Integer
Make	Optional	String	Max Length 30
Model	Optional	String	Max Length 80
Body	Required	String	Max Length 80
Id	Required	String	Max Length 30
ValuationDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
SourceCode	Required	String	Max Length 30
Supplement	Required	String	Max Length 30
Edition	Required	String	Max Length 30
WholesaleValue	Required	Number	Decimal
RetailValue	Required	Number	Decimal
addonsAmount	Optional	Number	Decimal
PayoffAmount	Optional	Number	Decimal
<b>ApplicationTradein –CustomFields</b>			
CustomUserDefinedStringData			

Attribute	Use	Data Type	Comments
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
CustomUserDefinedNumberData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Number	Decimal
CustomUserDefinedDateData			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicationItemization</b>			
Code	Required	String	Max Length 30
RequestedValue	Optional	Number	Decimal
Comment	Optional	String	Max Length 240

## 1.2.2 **Application Update (PUT)**

### Details of Application update Service

<b>Service Name</b>	Application Update
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application
<b>Service Method</b>	PUT
<b>Purpose of service</b>	This service is used to update the application details, such as applicant data, applicant business details etc.
<b>Input Schema</b>	applicationupdate.xsd
<b>Input Type</b>	application/json or application/xml
<b>Authorization Key</b>	FLL.APPLICATIONUPDATERESOURCE.PUT.APPLICATIONUPDATE

## Input Attribute Parameters

Note the following:

The 'Identifier' column in the below table indicates elements used to identify existing record. If these elements are passed with existing data then that record is updated. Else, a new record is inserted.

Identifier elements can be single or combination of multiple columns. In some cases, more than one identifier elements can be used and are indicated by 'Identifier-1' and 'Identifier-2'. If any one of the identifier matches the existing record then that date will be used for update. If no data matches the identifier elements then new record will be inserted.

For example in Application block, either ApplicationNumber or ApplicationXrefNumber is required in the request to update the application details.

Attribute	Use	Identifier	Data Type	Comments
<b>Application</b>				
UserCode	Optional		String	Max Length 30
ApplicationNumber	Optional	Identifier-1	String	Max Length 30
ApplicationXrefNumber	Optional	Identifier-2	String	Max Length 30
<b>ApplicationData</b>				
Date	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
Product	Optional		String	Max Length 30
Source	Optional		String	Max Length 30
PriorityCode	Optional		String	Max Length 30
CompanyCode	Optional		String	Max Length 30
BranchCode	Optional		String	Max Length 30
Purpose	Optional		String	Max Length 30
ProducerTypeCode	Optional		String	Max Length 30
ProducerNumber	Optional		String	Max Length 30
ClassType	Optional		String	Max Length 30
JointInd	Optional		String	Y or N
CosignedInd	Optional		String	Y or N

Attribute	Use	Identifier	Data Type	Comments
Contact	Optional		String	Max Length 30
CapitalizedCost	Optional		Number	Decimal
CreditLimit	Optional		Number	Decimal
RequestedAdvanceAmount	Optional		Number	Decimal
RequestedPaymentAmount	Optional		Number	Decimal
RequestedTerm	Optional		Number	Integer
RequestedRate	Optional		Number	Decimal
DownPaymentPercent	Optional		Number	Decimal
DownPaymentAmount	Optional		Number	Decimal
CashPrice	Optional		Number	Decimal
RequestedPromotionCode	Optional		Number	Decimal
BalloonAmount	Optional		Number	Decimal
SigningDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
ProbableDeliveryDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData</b>				
RelationType	Optional	Identifier-1	String	Max Length 30
FirstName	Optional	Identifier-1	String	Max Length 30
LastName	Optional	Identifier-1	String	Max Length 30
MiddleName	Optional		String	Max Length 30
FamilyName	Optional		String	Max Length 30
GenerationCode	Optional		String	Max Length 30
SSN	Optional	Identifier-2	Number	Positive Integer

Attribute	Use	Identifier	Data Type	Comments
BirthDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
DisabilityInd	Optional		String	Y or N
PriorBankruptcyInd	Optional		String	Y or N
PriorBankruptcyDischargeDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
GenderCode	Optional		String	Max Length 30
ChristianName	Optional		String	Max Length 30
LanguageCode	Optional		String	Max Length 30
DrivingLicenseNumber	Optional		String	Max Length 30
DrivingLicenseStateCode	Optional		String	Max Length 30
EmailAddress	Optional		String	Max Length 160
ClassType	Optional		String	Max Length 30
MaritalStatus	Optional		String	Max Length 30
NumberOfDependents	Optional		Number	Positive Integer
MotherMaidenName	Optional		String	Max Length 30
Education	Optional		String	Max Length 30
CreditBureauECOACode	Optional		String	Max Length 30
RaceNationalOriginCode	Optional		String	Max Length 30
SalutationCode	Optional		String	Max Length 30
PrivacyOptOutInd	Optional		String	Y or N
InsuranceOptOutInd	Optional		String	Y or N
MarketingOptOutInd	Optional		String	Y or N
ShareCreditOptOutInd	Optional		String	Y or N
PassportNumber	Optional		String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
VisaNumber	Optional		String	Max Length 30
NationalId	Optional		String	Max Length 30
Nationality	Optional		String	Max Length 30
Timezone	Optional		String	Max Length 30
PassportIssueDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
PassportExpiryDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
KycRefNbr	Optional		String	Max Length 30
KycStatus	Optional		String	Max Length 30
BirthPlace	Optional		String	Max Length 30
BirthCountryCd	Optional		String	Max Length 3
UsResInd	Optional		String	Y or N
UpdateCustomerInfo	Optional		String	Y or N
SCRAInd	Optional		String	Y or N
SCRARefNbr	Optional		String	Max Length 30
SCRAEffectiveDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
SCRAReleaseDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData – PowerAttorney</b>				
PalssuedInd	Optional		String	Y or N
PaHolderName	Optional		String	Max Length 30
PaAddress	Optional		String	Max Length 80

Attribute	Use	Identifier	Data Type	Comments
PaHolderAdrCntryCd	Optional		String	Max Length 3
PaHolderNationalityCd	Optional		String	Max Length 30
PaHolderPhonelsdCd	Optional		Number	3 digit Positive Integer
PaHolderPhone	Optional		Number	Positive Integer
<b>ApplicantData – Address</b>				
Type	Required	Identifier-1	String	Max Length 30
CurrentInd	Optional		String	Y or N
ConfirmedInd	Optional		String	Y or N
MailingInd	Optional		String	Y or N
PermissionToCallInd	Optional		String	Y or N
PostalType	Optional		String	Max Length 30
Number	Optional		String	Max Length 30
StreetPreType	Optional		String	Max Length 30
StreetPostType	Optional		String	Max Length 30
StreetName	Optional		String	Max Length 30
StreetType	Optional		String	Max Length 30
SuiteNumber	Optional		Number	Positive Integer
Zip	Optional		Number	6 digit Positive Integer
City	Optional		String	Max Length 30
State	Optional		String	Max Length 30
ZipExtension	Optional		Number	Positive Integer
Country	Optional		String	Max Length 2
Phone	Optional		Number	Positive Integer
Ownership	Optional		String	Max Length 30
Years	Optional		Number	Positive Integer



Attribute	Use	Identifier	Data Type	Comments
Months	Optional		Number	Positive Integer
Frequency	Optional		String	Max Length 30
Landlord	Optional		String	Max Length 30
LandlordPhone	Optional		Number	Positive Integer
Contact	Optional		String	Max Length 30
ContactTitle	Optional		String	Max Length 80
ContactPhone	Optional		Number	Positive Integer
PhonelsdCd	Optional		Number	3 Digit Positive Integer
ContactPhoneExtension	Optional		Number	Positive Integer
Block	Optional		String	Max Length 30
Location	Optional		String	Max Length 30
Comment	Optional		String	Max Length 280
Address2	Optional		String	Max Length 80
Address3	Optional		String	Max Length 80
CurrencyCode	Optional		String	Max Length 30
ActualYears	Optional		Number	Positive Integer
ActualMonths	Optional		Number	Positive Integer
ActualFrequency	Optional		String	Max Length 30
CURActualAmount	Optional		Number	Decimal
CURStatedAmount	Optional		Number	Decimal
VerifyDate	Optional		Date(YYYY-MM-DDTHH:M M:SS)	
<b>ApplicantData - Address – CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
KeyValue	Required		String	
<b>CustomUserDefinedNumberData</b>				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
<b>CustomUserDefinedDateData</b>				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData – EmploymentDetails</b>				
Type	Required	Identifier-1	String	Max Length 30
CurrentInd	Optional		String	Max Length 30
Name	Required		String	Max Length 30
AddressNumber	Optional		String	Max Length 30
Address1	Optional		String	Max Length 80
Address2	Optional		String	Max Length 80
Zip	Optional		Number	6 Digit Positive Integer
City	Optional		String	Max Length 30
State	Optional		String	Max Length 30
ZipExtension	Optional		Number	Positive Integer
Country	Optional		String	Max Length 30
OccupationCode	Optional		String	Max Length 30
Department	Optional		String	Max Length 30
EmployeeId	Optional		String	Max Length 30
Title	Optional		String	Max Length 80
Phone	Required		Number	Positive Integer

Attribute	Use	Identifier	Data Type	Comments
PhoneExtension	Optional		Number	6 Digit Positive Integer
PhoneIsdCd	Optional		Number	3 Digit Positive Integer
PermissionToCall	Optional		String	Y or N
Contact	Optional		String	Max Length 30
ContactTitle	Optional		String	Max Length 80
ContactPhone	Required		Number	Positive Integer
ContactPhoneExtension	Optional		Number	6 Digit Positive Integer
Years	Required		Number	Positive Integer
Months	Optional		Number	Positive Integer
Frequency	Required		String	Max Length 30
Comment	Optional		String	Max Length 30
CurrencyCode	Optional		String	Max Length 240
ActualYears	Optional		Number	Positive Integer
ActualMonths	Optional		Number	Positive Integer
CurrencyStatedAmount	Optional		Number	Decimal
CurrencyActualAmount	Optional		Number	Decimal
ActualFrequency	Optional		String	Max Length 30
VerifyDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
VerifiedBy	Optional		String	Max Length 30
StatedPayDayDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	

Attribute	Use	Identifier	Data Type	Comments
ActualPayDayDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData – EmploymentDetails – CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
CustomUserDefinedNumberData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
CustomUserDefinedDateData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData – Liability</b>				
Type	Required	Identifier-1	String	Max Length 30
IncludeInd	Optional		String	Y or N
Frequency	Required		String	Max Length 30
AccountType	Optional		String	Max Length 30
CurrencyAccountBalance	Optional		Number	Decimal
Comment	Optional		String	Max Length 240
CurrencyCode	Optional		String	Max Length 30
CurrencyAmount	Optional		Number	Positive Integer
<b>ApplicantData - Liability – CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
KeyValue	Required		String	
<b>CustomUserDefinedNumberData</b>				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
<b>CustomUserDefinedDateData</b>				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData –CurrentIncome</b>				
Type	Required	Identifier-1	String	Max Length 30
Frequency	Required		String	Max Length 30
CurrencyCode	Optional		String	Max Length 30
CurrencyAmount	Optional		Number	Decimal
CurrencyActualAmount	Optional		Number	Decimal
IncludeInd	Optional		String	Y or N
Comment	Optional		String	Max Length 240
VerifiedDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicantData –ApplicantFinance</b>				
FinancialTypeCd	Required	Identifier-1	String	Max Length 30
Source	Optional		String	Max Length 30
CurrencyAmount	Optional		Number	Decimal
IncludeInd	Optional		String	Y or N
Comment	Optional		String	Max Length 30
CurrencyCode	Optional		String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
AccountNumber	Optional		String	Max Length 30
<b>ApplicantData –Telecoms</b>				
Type	Required	Identifier-1	String	Max Length 30
CurrentInd	Required		String	Max Length 30
PhoneExtension	Required		Number	6 Digit Positive Integer
Phone	Required		Number	Positive Integer
PermissionToCall	Optional		String	Max Length 30
TimeZone	Optional		String	Max Length 30
BestDayToCall	Optional		String	Max Length 30
StartTime	Optional		String	Max Length 30
EndTime	Optional		String	Max Length 30
StartTimePeriod	Optional		String	Max Length 30
EndTimePeriod	Optional		String	Max Length 30
<b>ApplicantData –Telecoms –CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
CustomUserDefinedNumberData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
CustomUserDefinedDateData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:M M:SS)	
<b>BusinessDetails</b>				

Attribute	Use	Identifier	Data Type	Comments
OrganizationTypeCode	Optional		String	Max Length 30
BusinessTypeCode	Optional		String	Max Length 30
BusinessCategory	Optional		String	Max Length 30
BusinessName	Optional		String	Max Length 30
LegalName	Optional		String	Max Length 30
CurrencyCode	Optional		String	Max Length 30
TaxId	Optional		String	Max Length 30
StartDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
CurrentEmployees	Optional		Number	Positive Integer
NumberOfEmployess	Optional		Number	Positive Integer
ContactPerson	Optional		String	Max Length 30
NumberOfLocations	Optional		Number	Positive Integer
CurrentManagementSince	Optional		Number	Positive Integer
CheckingBank	Optional		String	Max Length 30
BankAccountNumber	Optional		String	Max Length 30
AverageCheckingBalance	Optional		Number	Decimal
<b>BusinessDetails –BusinessAddress</b>				
AddressTypeCode	Required	Identifier-1	String	Max Length 30
AddressNumber	Required		String	Max Length 30
City	Required		String	Max Length 30
State	Required		String	Max Length 30
Zip	Required		Number	6 Digit Positive Integer
Country	Required		String	Max Length 2
OwnershipCode	Required		String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
Phone	Required		String	Max Length 30
PostalAddressCode	Required		String	Max Length 30
CurrentInd	Optional		String	Y or N
MailingInd	Optional		String	Y or N
StreetName	Optional		String	Max Length 30
StreetTypeCode	Optional		String	Max Length 30
StreetPreTypeCode	Optional		String	Max Length 30
StreetPostTypeCode	Optional		String	Max Length 30
SuiteNumber	Optional		Number	Positive Integer
Address1	Optional		String	Max Length 80
Address2	Optional		String	Max Length 80
ZipExtension	Optional		Number	Positive Integer
Comment	Optional		String	Max Length 240
<b>BusinessDetails –BusinessPartners</b>				
FirstName	Required	Identifier-1	String	Max Length 30
LastName	Required	Identifier-1	String	Max Length 30
Networth	Required		String	Max Length 30
GrossIncome	Required		String	Max Length 30
SSN	Required		Number	Positive Integer
Phone	Required		Number	Positive Integer
MiddleName	Optional		String	Max Length 30
GenerationCode	Optional		String	Max Length 30
BirthDateType	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
BirthPlace	Optional		String	Max Length 80



Attribute	Use	Identifier	Data Type	Comments
Title	Optional		String	Max Length 80
OwnershipPercent	Optional		Number	Positive Integer
LanguageCode	Optional		String	Max Length 30
RaceNationalOriginCode	Optional		String	Max Length 30
Email	Optional		String	Max Length 160
PhoneExtension	Optional		Number	6 Digit Positive Integer
AddressNumber	Optional		String	Max Length 30
Address1	Optional		String	Max Length 80
Address2	Optional		String	Max Length 80
City	Optional		String	Max Length 30
StateCode	Optional		String	Max Length 30
Zip	Optional		Number	6 Digit Positive Integer
ZipExtension	Optional		Number	Positive Integer
CountryCode	Optional		String	Max Length 2
<b>BusinessDetails - BusinessPartners –CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
CustomUserDefinedNumberData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
CustomUserDefinedDateData				
KeyName	Required		String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
KeyValue	Required		Date(YYYY-MM-DDTHH:MM:SS)	
<b>BusinessDetails –BusinessAffiliates</b>				
OrganizationTypeCode	Required		String	Max Length 30
LegalName	Required		String	Max Length 30
BusinessName	Required	Identifier-1	String	Max Length 30
OwnershipPercent	Required		Number	Positive Integer
NumberOfEmployees	Required		Number	Positive Integer
NaicsCode	Required		String	Max Length 30
TaxId	Optional		String	Max Length 30
AddressNumber	Optional		String	Max Length 80
Address1	Optional		String	Max Length 80
Address2	Optional		String	Max Length 80
City	Optional		String	Max Length 30
StateCode	Optional		String	Max Length 30
Zip	Optional		Number	6 Digit Positive Integer
ZipExtension	Optional		Number	Positive Integer
CountryCode	Optional		String	Max Length 2
<b>BusinessDetails - BusinessAffiliates – CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
CustomUserDefinedNumberData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal

Attribute	Use	Identifier	Data Type	Comments
CustomUserDefinedDateData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:M M:SS)	
<b>BusinessDetails – BusinessTelecoms</b>				
TelecomTypeCode	Required	Identifier-1	String	Max Length 30
Phone	Required		Number	Positive Integer
CurrentInd	Required		String	Y or N
PhoneExtension	Optional		Number	6 Digit Positive Integer
<b>BusinessDetails –BusinessFinancials</b>				
FinancialTypeCode	Required	Identifier-1	String	Max Length 30
CurrencyAmount	Required		Number	Integer
IncludeInd	Required		String	Y or N
CurrencyCode	Required		String	Max Length 30
Source	Optional		String	Max Length 30
Comment	Optional		String	Max Length 240
<b>BusinessDetails - BusinessTelecoms –CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
CustomUserDefinedNumberData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
CustomUserDefinedDateData				
KeyName	Required		String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
KeyValue	Required		Date(YYYY-MM-DDTHH:MM:SS)	
<b>BusinessDetails –BusinessLiabilities</b>				
LiabilityTypeCode	Required	Identifier-1	String	Max Length 30
CurrencyCode	Required		String	Max Length 30
CurrencyAmount	Required		Number	Positive Integer
FrequencyCode	Required		String	Max Length 30
AccountType	Required		String	Max Length 30
LoanCurrencyAccountBalance	Required		Number	Decimal
Comment	Optional		String	Max Length 240
IncludeInd	Optional		String	Y or N
<b>BusinessDetails - BusinessLiabilities –CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
CustomUserDefinedNumberData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
CustomUserDefinedDateData				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:MM:SS)	
<b>BusinessDetails –TrackingAttributes</b>				
FtbTable	Required		String	Max Length 30
Parameter	Required	Identifier-1	String	Max Length 30

Attribute	Use	Identifier	Data Type	Comments
Value	Required	Identifier-1	String	Max Length 30
<b>ApplicationCollateralDetails</b>				
IdentificationNumber	Required		String	Max Length 30
AssetId	Optional	Identifier-1	String	Max Length 30
ExistingAssetInd	Optional		String	Y or N
ExistingAssetId	Optional		Number	10 Digit Positive Integer
PrimaryInd	Optional		String	Y or N
Class	Optional		String	Max Length 30
Type	Required		String	Max Length 30
SubType	Required		String	Max Length 30
Occupancy	Optional		String	Max Length 30
StatusCode	Optional		String	Max Length 30
Year	Optional		Number	Positive Integer
Make	Optional		String	Max Length 30
Model	Optional		String	Max Length 30
Body	Optional		String	Max Length 80
RegistrationNumber	Optional		String	Max Length 30
AddressNumber	Optional		String	Max Length 30
Address1	Optional		String	Max Length 80
Address2	Optional		String	Max Length 30
Zip	Optional		Number	6 Digit Positive Integer
City	Optional		String	Max Length 30
State	Optional		String	Max Length 30
ZipExtension	Optional		Number	Positive Integer
CountyCode	Optional		String	Max Length 6

Attribute	Use	Identifier	Data Type	Comments
Description	Optional		String	Max Length 30
Condition	Optional		String	Max Length 30
Country	Optional		String	Max Length 2
UsageStart	Optional		Number	Positive Integer
BaseUsage	Optional		Number	Positive Integer
ExtraUsage	Optional		Number	Positive Integer
TotalUsage	Optional		Number	Positive Integer
UsageCost	Optional		Number	Decimal
CensusTract	Optional		String	Max Length 30
MSACode	Optional		String	Max Length 30
GEOCode	Optional		String	Max Length 30
Width	Optional		String	Max Length 30
Length	Optional		String	Max Length 30
Area	Optional		String	Max Length 30
PurchaseOrderNumber	Optional		String	Max Length 30
LegalDescription	Optional		String	Max Length 30
Lot	Optional		String	Max Length 30
SubDivision	Optional		String	Max Length 30
ParcelID	Optional		String	Max Length 30
MetesBounds	Optional		String	Y or N
FloodZone	Optional		String	Y or N
NotRequired1098	Optional		String	Y or N
ConstructionPermitDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	

Attribute	Use	Identifier	Data Type	Comments
DeedDate	Optional		Date(YYYY-MM-DDTHH:MM:SS)	
DeedPlaceofIssue	Optional		String	Max Length 30
PropertiesBoundaryFromEast	Optional		String	Max Length 30
North	Optional		String	Max Length 30
West	Optional		String	Max Length 30
South	Optional		String	Max Length 30
<b>ApplicationCollateralDetails –ValuationDetails</b>				
CurrentInd	Required		String	Y or N
ValuationDate	Required		Date(YYYY-MM-DDTHH:MM:SS)	
SourceCode	Required		String	Max Length 30
Supplement	Optional		String	Max Length 30
Edition	Optional		String	Max Length 30
WholesaleBaseAmount	Optional		Number	Decimal
Usage	Required		Number	Positive Integer
CurrencyCode	Optional		String	Max Length 30
Value	Required		String	Max Length 30
LoanCurRetailBaseAmount	Required		Number	Decimal
LoanCurUsageValueAmount	Required		Number	Decimal
<b>ApplicationCollateralDetails - ValuationDetails –CustomFields</b>				
CustomUserDefinedStringData				
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
CustomUserDefinedNumberData				

Attribute	Use	Identifier	Data Type	Comments
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
<b>CustomUserDefinedDateData</b>				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:M M:SS)	
<b>ApplicationTradein</b>				
Type	Required	Identifier-1	String	Max Length 30
SubType	Required	Identifier-1	String	Max Length 30
Year	Optional		Number	Positive Integer
Make	Optional		String	Max Length 30
Model	Optional		String	Max Length 80
Body	Optional		String	Max Length 80
Id	Required	Identifier-1	String	Max Length 30
ValuationDate	Optional		Date(YYYY-MM-DDTHH:M M:SS)	
SourceCode	Optional		String	Max Length 30
Supplement	Optional		String	Max Length 30
Edition	Optional		String	Max Length 30
WholesaleValue	Optional		Number	Decimal
RetailValue	Optional		Number	Decimal
AddonsAmount	Required		Number	Decimal
PayoffAmount	Optional		Number	Decimal
<b>ApplicationTradein –CustomFields</b>				
CustomUserDefinedStringData				



Attribute	Use	Identifier	Data Type	Comments
KeyName	Required		String	Max Length 30
KeyValue	Required		String	
<b>CustomUserDefinedNumberData</b>				
KeyName	Required		String	Max Length 30
KeyValue	Required		Number	Decimal
<b>CustomUserDefinedDateData</b>				
KeyName	Required		String	Max Length 30
KeyValue	Required		Date(YYYY-MM-DDTHH:MM:SS)	
<b>ApplicationItemization</b>				
Code	Required	Identifier-1	String	Max Length 30
RequestedValue	Optional		Number	Decimal
Comment	Optional		String	Max Length 240
<b>ApplicationTrackingAttributes</b>				
FtbTable	Required		String	Max Length 30
Parameter	Required	Identifier-1	String	Max Length 30
Value	Required	Identifier-1	String	Max Length 30

### 1.2.3 Application Details (GET)

#### Details of Get application Details Service

<b>Service Name</b>	Application Details
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/{number}
<b>Service Method</b>	GET
<b>Purpose of service</b>	This service is used to fetch the details of an application using application number.
<b>Input Type</b>	Path Param

<b>Authorization Key</b>	FLL.APPLICATIONDETAILSRESOURCE.GET.APPLICATIONDETAILS
--------------------------	---

#### Input Attribute Parameters

Attribute	Use	Data Type	Comments
number	Required	Number	Application Number

### 1.2.4 Application Search Service (GET)

#### Details of Application Search Request Service

<b>Service Name</b>	Application Search
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/application-search/get-application-info
<b>Service Method</b>	GET
<b>Purpose of service</b>	This service is used to get the Application details by using applicant attributes such as ApplicationNumber, ApplicantFirstName, ApplicantLastName, SSN(Last Four Digits), ApplicationCreationDate, ApplicantBirthDate  At least one filed is required to fetch the application details.
<b>Input Type</b>	Query Param
<b>Authorization Key</b>	FLL.APPLICATIONSEARCHRESOURCE.GET.GETAPPLICATIONS EARCH

#### Input Attribute Parameters

Attribute	Use	Data Type	Comments
applicationNumber	Optional	String	Max Length 30
applicantFirstName	Optional	String	Max Length 30
applicantLastName	Optional	String	Max Length 30
SSN	Optional	Positive Integer	Last 4 digits
applicationCreationDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
applicantBirthDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	

**Note:**

- For a given search parameter, if there are multiple application details, based on system parameter value XAE\_QUE\_RESP\_MULTI\_RECORD\_IND response will be generated.
- If the system parameter value is “Y” then response will show multiple records.
- If the system parameter value is “N” then error message ‘Too Many Records Found ! Please Search by Adding One More Parameter’ will be displayed.

**1.2.5 Application Document Upload (POST)****Details of Application Document Upload Service**

<b>Service Name</b>	Application Document Upload
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/{number}/document
<b>Service Method</b>	POST
<b>Purpose of service</b>	This service is used to upload a document for an application. This service has restriction on documents extension like ‘.exe’, ‘.sh’ and ‘.sql’
<b>Input Schema</b>	applicationdocumentsprocessing.xsd
<b>Input Type</b>	multipart_form_data
<b>Authorization Key</b>	FLL.APPLICATIONDOCUMENTSPROCESSINGRESOURCE.POST.UPLOADAPPLICATIONDOCUMENT

**Input Attribute Parameters**

<b>Attribute</b>	<b>Optional/Required</b>	<b>Data Type</b>	<b>Comments</b>
number	Required	String	ApplicationNumber , Max Length 30
documentType	Required	String	Max Length 30
documentComments	Optional	String	Max Length 240
pageNumber	Required	String	Max Length 30
trackerNumber	Optional	String	Max Length 30
docketNumber	Optional	String	Max Length 30
location	Optional	String	Max Length 30
receivedDate	Optional	Date(YYYY-MM-DD HH:MM:SS)	

Attribute	Optional/Required	Data Type	Comments
expiryDate	Optional	Date(YYYY-MM-DD HH:MM:SS)	
effectiveDate	Optional	Date(YYYY-MM-DD HH:MM:SS)	
documentDetailsComments	Optional	String	Max Length 240
File	Required	File	
documentSubType	Optional	String	Max Length 30

### 1.2.6 **Get List of Documents (GET)**

#### Details of Application Documents List Service

<b>Service Name</b>	Application Document List
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/{number}/documents
<b>Service Method</b>	GET
<b>Purpose of service</b>	This service is used to list application documents.
<b>Input Type</b>	Path Param
<b>Authorization Key</b>	FLL.APPLICATIONDOCUMENTSPROCESSINGRESOURCE.GET.LISTAPPLICATIONDOCUMENTS

#### Input Attribute Parameters

Attribute	Optional/Required	Data Type	Comments
number	Required	String	ApplicationNumber ,Max Length 30

### 1.2.7 **Application Document Download (GET)**

#### Details of Application Document Download Service

<b>Service Name</b>	Application Document Download
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/{number}/document/{documentId}
<b>Service Method</b>	GET

<b>Purpose of service</b>	This service is used to download single document from an application. This service should be used in conjunction with Application Document List.  In case of success response ,response type will be application_octet_stream
<b>Input Type</b>	Path Param
<b>Authorization Key</b>	FLL.APPLICATIONDOCUMENTSPROCESSINGRESOURCE.GET.DOWNLOADAPPLICATIONDOCUMENT

#### Input Attribute Parameters

Attribute	Optional /Required	Data Type	Comments
number	Required	String	applicationNumber , Max Length 30
documentId	Required	String	Max Length 30

### 1.2.8 Application Checklist (GET)

#### Details of Application Checklist Service

<b>Service Name</b>	Application Checklist
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/checklist/{number}
<b>Service Method</b>	GET
<b>Purpose of service</b>	This service is used to list application checklist available for current application stage code. If no checklist is loaded then this service will load the checklist based on the setup.
<b>Input Type</b>	Path Param
<b>Authorization Key</b>	FLL.APPLICATIONCHECKLISTRESOURCE.GET.CHECKLIST

#### Input Attribute Parameters

Request Parameter	Use	Data Type	Comments
number	Required	String	ApplicationNumber , Max Length 30

## 1.2.9 Application Comments (GET)

### Details of Application Comments GET Service

<b>Service Name</b>	Application Comments
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/{number}/comments
<b>Service Method</b>	GET
<b>Purpose of service</b>	This service is used to list application comments available for current application.
<b>Input Type</b>	Path Param
<b>Authorization Key</b>	FLL.APPLICATIONCOMMENTRESOURCE.GET.GETCOMMENTS

### Input Attribute Parameters

Request Parameter	Use	Data Type	Comments
number	Required	String	ApplicationNumber ,Max Length 30

## 1.2.10 Application Comments (POST)

### Details of Application Comment POST Service

<b>Service Name</b>	Application Comments
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/comments/
<b>Service Method</b>	POST
<b>Purpose of service</b>	This service is used to post single or multiple comments for the application.
<b>Input Schema</b>	applicationcomments.xsd
<b>Input Type</b>	application/json or application/xml.
<b>Authorization Key</b>	FLL.APPLICATIONCOMMENTRESOURCE.POST.POSTCOMMENTS

### Input Attribute Parameters

Attribute	Use	Data Type	Comments
UserCode	Optional	String	Max Length 30

Attribute	Use	Data Type	Comments
ApplicationNbr	Optional	String	Max Length 30
<b>CommentCreateRequest</b>			
ApplicationNbr	Required	String	Max Length 30
<b>Comments</b>			
Alert	Required	String	Y/N
Type	Required	String	Max Length 30
SubType	Required	String	Max Length 30
Comment	Required	String	Max Length 4000
<b>Custom</b>			
<b>CustomUserDefinedStringData</b>			
KeyName	Required	String	
KeyValue	Required	String	
<b>CustomUserDefinedNumberData</b>			
KeyName	KeyName	String	
KeyValue	KeyValue	Number	
<b>CustomUserDefinedDateData</b>			
KeyName	KeyName	String	
KeyValue	KeyValue	Date(YYYY-MM-DD)	

### 1.2.11 Application ACH (GET)

#### Details of Get application ACH Service

<b>Service Name</b>	Application ACH
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/{number}/ach
<b>Service Method</b>	GET
<b>Purpose of service</b>	This service is used to fetch the ACH details of the application.

<b>Input Type</b>	Path Param
<b>Authorization Key</b>	FLL.ACHRESOURCE.GET.FETCHACH

#### Input Attribute Parameters

Attribute	Use	Data Type	Comments
Number	Required	Number	Application Number

### 1.2.12 Application ACH (POST)

#### Details of POST application ACH Service

<b>Service Name</b>	Application ACH
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/ach
<b>Service Method</b>	POST
<b>Purpose of service</b>	This service is used to post the ACH details, for a single or multiple applications.
<b>Input Schema</b>	applicationach.xsd
<b>Input Type</b>	application/json or application/xml
<b>Authorization Key</b>	FLL.ACHRESOURCE.POST.CREATEACH

#### Input Attribute Parameters

Attribute	Use	Data Type	Comments
UserCode	Optional	String	Max Length 30
<b>AchDetail</b>			
ApplicationNumber	Required	String	Max Length 30
BankName	Required	String	Max Length 80
BankRoutingNumber	Required	String	Max Length 30
AccountType	Required	String	Max Length 30
AccountNumber	Required	String	Max Length 30
PaymentDay	Required	Number	
PaymentAmount	Required	BigDecimal	



Attribute	Use	Data Type	Comments
PaymentAmountExcess	Required	BigDecimal	
AmountFrequency	Required	String	Max Length 30
DefaultIndicator	Required	String	Y or N
Status	Required	String	Max Length 30
StartDate	Required	Date(YYYY-MM-DDTHH:MM:SS)	
EndDate	Optional	Date(YYYY-MM-DDTHH:MM:SS)	
<b>CustomStringData</b>			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
<b>CustomNumberData</b>			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
<b>CustomDateData</b>			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DDTHH:MM:SS)	

### 1.2.13 Application Status Change (PUT)

#### Details of Application status change Service

<b>Service Name</b>	Application status change
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/origination/application/changestatus
<b>Service Method</b>	PUT
<b>Purpose of service</b>	This service is used to change the status of the application.
<b>Input Schema</b>	applicationstatus.xsd
<b>Input Type</b>	application/json or application/xml
<b>Authorization Key</b>	FLL.CHANGEAPPLICATIONSTATUSRESOURCE.PUT. CHANGEAPPLICATIONSTATUS

### Input Attribute Parameters

Attribute	Use	Date Type	Comments
UserCode	Optional	String	
<b>ChangeStatus</b>			
ApplicationNumber	Required	String	
Status	Required	String	Max Length 30
SubStatus	Required	String	Max Length 30

### 1.2.14 Scenario Analysis (GET)

#### Details of Scenario Analysis Enquiry Service

<b>Service Name</b>	ScenarioAnalysis
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/scenarioanalysis
<b>Service Method</b>	GET
<b>Purpose of service</b>	This service is used to fetch existing scenario details using inquiry id
<b>Input Type</b>	Query Param
<b>Authorization Key</b>	FLL.SCENARIOANALYSISRESOURCE.GET.FETCHSCENARIO

#### Input Attribute Parameters

Attribute	Use	Data Type	Comments
Inquiryid	Required	Number	

### 1.2.15 Scenario Analysis (POST)

#### Details of Create Scenario Analysis Service

<b>Service Name</b>	ScenarioAnalysis
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/scenarioanalysis
<b>Service Method</b>	POST
<b>Purpose of service</b>	This service is used to simulate scenario for customer's Loan or Lease request and save the same for future inquiry.
<b>Input Schema</b>	scenarioanalysis.xsd

<b>Input Type</b>	application/json or application/xml
<b>Authorization Key</b>	FLL.SCENARIOANALYSISRESOURCE.POST.CREATESCENARIO

### Input Attribute Parameters

Attribute	Use	Data Type	Comments
UserCode	Optional	String	Max Length 30
ScenarioType	Required	String	Max Length 30
<b>ScenarioAnalysisDetails</b>			
FirstName	Required	String	Max Length 30
LastName	Required	String	Max Length 30
Phone	Required	Number	
Company	Required	String	Max Length 30
Branch	Required	String	Max Length 30
Product	Required	String	Max Length 30
ProducerType	Required	String	Max Length 30
ProducerNumber	Required	String	Max Length 30
State	Required	String	Max Length 30
Promotion	Required	String	Max Length 30
BillingCycle	Required	String	Max Length 30
Email	Optional	String	Max Length 30
Instrument	Optional	String	Max Length 30
AssetType	Optional	String	Max Length 30
AssetSubType	Optional	String	Max Length 30
AssetClass	Optional	String	Max Length 30
Make	Optional	String	Max Length 30
Model	Optional	String	Max Length 30
<b>LoanDetails</b>			

Attribute	Use	Data Type	Comments
ActionCode	Required	String	Max Length 30
ProductCategory	Required	String	Max Length 30
ContractDate	Required	Date(YYYY-MM-DD)	
FirstPaymentDate	Required	Date(YYYY-MM-DD)	
FinancedAmount	Required	BigDecimal	
Term	Required	Number	
PrePaidFees	Optional	BigDecimal	
OtherFees	Optional	BigDecimal	
FinancedFees	Optional	BigDecimal	
BalloonPaymentAmount	Optional	BigDecimal	
PaymentAmount	Optional	BigDecimal	
Rate	Optional	Number	
MaturityDate	Optional	Date(YYYY-MM-DD)	
InterestAmount	Optional	BigDecimal	
FinanceCharge	Optional	BigDecimal	
TotalOfPayments	Optional	BigDecimal	
APR	Optional	Number	
BalanceAmount	Optional	BigDecimal	
DifferentFirstPayment	Optional	BigDecimal	
AdjustContractDate	Optional	BigDecimal	
FirstPeriodCalenderDays	Optional	BigDecimal	
FinalPaymentAmount	Optional	BigDecimal	
PrincipalPaymentAmount	Optional	BigDecimal	
LoanAmount	Optional	BigDecimal	
<b>LeaseDetails</b>			

Attribute	Use	Data Type	Comments
ActionCode	Required	String	Max Length 30
ContractDate	Required	Date(YYYY-MM-DD)	
FirstPaymentDate	Required	Date(YYYY-MM-DD)	
ReductionCapitalizedCost	Required	BigDecimal	
LeaseTerm	Required	Number	
MaturityDate	Optional	Date(YYYY-MM-DD)	
Rate	Optional	Number	
GrossCapitalizedCost	Optional	BigDecimal	
AdjustedCapitalizedCost	Optional	BigDecimal	
ResidualValue	Optional	BigDecimal	
DepreciationValue	Optional	BigDecimal	
RentFactor	Optional	BigDecimal	
RentValue	Optional	BigDecimal	
ResidualPercentage	Optional	BigDecimal	
PreBillDays	Optional	Number	
ResidualDays	Optional	Number	
RentalFee	Optional	BigDecimal	
PaymentAmount	Optional	BigDecimal	
TotalOfPayments	Optional	BigDecimal	
<b>CalculatorOptions</b>			
BillingCycle	Optional	String	Max Length 30
BalloonMethod	Optional	String	Max Length 30
AccrualBaseMethod	Optional	String	Max Length 30
TimeCountingMethod	Optional	String	Max Length 30
InstallmentMethod	Optional	String	Max Length 30

Attribute	Use	Data Type	Comments
BillMethod	Optional	String	Max Length 30
CalendarMethod	Optional	String	Max Length 30
AccrualStartDateBasis	Optional	String	Max Length 30
AccrualStartDays	Optional	Number	
<b>RepaymentOptions</b>			
FlexibleRepaymentAllowed	Optional	String	Max Length 1(Y/N)
Type	Optional	String	Max Length 30
<b>ExtendableBalloon</b>			
MaxTerm	Optional	Number	
<b>RepaymentSchedule, PaymentChangeSchedule, RateSchedule</b>			
Seq	Required	Number	
PaymentAmount	Optional	BigDecimal	
NoofPayment	Optional	Number	
Generated	Optional	String	Max Length 1(Y/N)
InterestAmount	Optional	BigDecimal	
OptionType	Optional	String	Max Length 30
PrincipleAmount	Optional	BigDecimal	
PaymentOperator	Optional	String	Max Length 30
AdditionalPaymentAmount	Optional	BigDecimal	
AdjustmentValue	Optional	BigDecimal	
NoOfAdjustment	Optional	BigDecimal	
Rate	Optional	BigDecimal	
RepaymentDate	Optional	Date(YYYY-MM-DD)	
Frequency	Optional	String	Max Length 30
Period	Optional	BigDecimal	

Attribute	Use	Data Type	Comments
RateEffective	Optional	BigDecimal	
StartDate	Optional	Date(YYYY-MM-DD)	
ProfileRate	Optional	BigDecimal	
<b>Advances</b>			
FinanceAmount	Required	BigDecimal	
Rate	Required	BigDecimal	
Seq	Optional	Number	
PrePaidFees	Optional	BigDecimal	
FinancedFees	Optional	BigDecimal	
BalloonPaymentAmount	Optional	BigDecimal	
<b>SkipMonths</b>			
Jan	Optional	String	Y/N
Feb	Optional	String	Y/N
Mar	Optional	String	Y/N
Apr	Optional	String	Y/N
May	Optional	String	Y/N
Jun	Optional	String	Y/N
Jul	Optional	String	Y/N
Aug	Optional	String	Y/N
Sep	Optional	String	Y/N
Oct	Optional	String	Y/N
Nov	Optional	String	Y/N
Dec	Optional	String	Y/N
<b>CustomStringData</b>			
KeyName	Required	String	

Attribute	Use	Data Type	Comments
KeyValue	Required	String	
<b>CustomNumberData</b>			
KeyName	Required	String	
KeyValue	Required	String	
<b>CustomDateData</b>			
KeyName	Required	String	
KeyValue	Required	Date(YYYY-MM-DD)	

## 1.2.16 Calculator Service (POST)

### Details of Calculator Request Service

<b>Service Name</b>	Calculator Service
<b>Service URL</b>	http://<Host>:<Port>/<Context>/service/api/resources/calculator/do-calculation
<b>Service Method</b>	POST
<b>Purpose of service</b>	This service is used to calculate payment, term and interest rate for Loan and Lease products.
<b>Input Schema</b>	calculator.xsd
<b>Input Type</b>	application/json or application/xml
<b>Authorization Key</b>	FLL.CALCULATORRESOURCE.POST.CALCULATOR

### Input Attribute Parameters

Attribute	Use	Data Type	Comments
UserCode	Optional	String	Max Length 30
CalculatorType	Required	String	LN/LS
<b>LoanDetails</b>			
ActionCode	Required	String	Max Length 30
ProductCategory	Required	String	Max Length 30
ContractDate	Required	Date(YYYY-MM-DD)	



Attribute	Use	Data Type	Comments
FirstPaymentDate	Required	Date(YYYY-MM-DD)	
AmountFinance	Optional	BigDecimal	
LoanTerm	Optional	Number	
PrePaidFees	Optional	BigDecimal	
OtherFees	Optional	BigDecimal	
FinancedFees	Optional	BigDecimal	
BalloonPaymentAmount	Optional	BigDecimal	
PaymentAmount	Optional	BigDecimal	
Rate	Optional	Number	
MaturityDate	Optional	Date(YYYY-MM-DD)	
InterestAmount	Optional	BigDecimal	
FinanceCharge	Optional	BigDecimal	
TotalOfPayments	Optional	BigDecimal	
AmountFinance	Optional	BigDecimal	
APR	Optional	Number	
BalanceAmount	Optional	BigDecimal	
DifferentFirstPayment	Optional	BigDecimal	
AdjustContractDate	Optional	BigDecimal	
FirstPeriodCalenderDays	Optional	BigDecimal	
firstPeriodInterest	Optional	Number	
FinalPaymentAmount	Optional	BigDecimal	
PrincipalPaymentAmount	Optional	BigDecimal	
LoanAmount	Optional	BigDecimal	
<b>LeaseDetails</b>			
ActionCode	Required	String	Max Length 30

Attribute	Use	Data Type	Comments
ContractDate	Required	Date(YYYY-MM-DD)	
FirstPaymentDate	Required	Date(YYYY-MM-DD)	
ReductionCapitalizedCost	Required	BigDecimal	
LeaseTerm	Required	Number	
maturityDate	Optional	Date(YYYY-MM-DD)	
Rate	Optional	Number	
GrossCapitalizedCost	Optional	BigDecimal	
AdjustedCapitalizedCost	Optional	BigDecimal	
ResidualValue	Optional	BigDecimal	
DepreciationValue	Optional	BigDecimal	
RentFactor	Optional	BigDecimal	
RentValue	Optional	BigDecimal	
ResidualPercentage	Optional	BigDecimal	
PreBillDays	Optional	Number	
ResidualDays	Optional	Number	
RentalFee	Optional	BigDecimal	
PaymentAmount	Optional	BigDecimal	
TotalOfPayments	Optional	BigDecimal	
<b>CalculatorOptions</b>			
BillingCycle	Required	String	Max Length 30
BalloonMethod	Required	String	Max Length 30
AccrualBaseMethod	Required	String	Max Length 30
TimeCountingMethod	Required	String	Max Length 30
InstallmentMethod	Required	String	Max Length 30
BillMethod	Required	String	Max Length 30

Attribute	Use	Data Type	Comments
CalendarMethod	Optional	String	Max Length 30
AccrualStartDateBasis	Optional	String	Max Length 30
AccrualStartDays	Optional	Number	
<b>RepaymentOptions</b>			
FlexibleRepaymentAllowed	Optional	String	Max Length 1(Y/N)
Type	Optional	String	Max Length 30
<b>ExtendableBalloon</b>			
MaxTerm	Optional	Number	
<b>RepaymentSchedule, PaymentChangeSchedule, RateSchedule</b>			
Seq	Required	Number	
PaymentAmount	Optional	BigDecimal	
NoOfPayment	Optional	Number	
Generated	Optional	String	Max Length 1(Y/N)
InterestAmount	Optional	BigDecimal	
OptionType	Optional	String	Max Length 30
PrincipleAmount	Optional	BigDecimal	
PaymentOperator	Optional	String	Max Length 30
AdditionalPaymentAmount	Optional	BigDecimal	
AdjustmentValue	Optional	BigDecimal	
NoOfAdjustment	Optional	BigDecimal	
Rate	Optional	BigDecimal	
RepaymentDate	Optional	Date(YYYY-MM-DD)	
Frequency	Optional	String	Max Length 30
Period	Optional	BigDecimal	
RateEffective	Optional	BigDecimal	

Attribute	Use	Data Type	Comments
StartDate	Optional	Date(YYYY-MM-DD)	
ProfileRate	Optional	BigDecimal	
<b>Advances</b>			
FinanceAmount	Required	BigDecimal	
Rate	Required	BigDecimal	
Seq	Optional	Number	
PrePaidFees	Optional	BigDecimal	
FinancedFees	Optional	BigDecimal	
BalloonPaymentAmount	Optional	BigDecimal	
<b>SkipMonths</b>			
Jan	Optional	String	Y/N
Feb	Optional	String	Y/N
Mar	Optional	String	Y/N
Apr	Optional	String	Y/N
May	Optional	String	Y/N
Jun	Optional	String	Y/N
Jul	Optional	String	Y/N
Aug	Optional	String	Y/N
Sep	Optional	String	Y/N
Oct	Optional	String	Y/N
Nov	Optional	String	Y/N
Dec	Optional	String	Y/N
<b>CustomStringData</b>			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	Max Length 30

Attribute	Use	Data Type	Comments
<b>CustomNumberData</b>			
KeyName	Required	String	Max Length 30
KeyValue	Required	String	
<b>CustomDateData</b>			
KeyName	Required	String	Max Length 30
KeyValue	Required	Date(YYYY-MM-DD)	

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## 2. Appendix: Revision History

### 2.1.1 Changes for web services Patch released

Section	Section Name	Release Version	Description of Change
1.2	Details of Web Services with Input Attribute Parameters	14.4.0.0.0	New web service details added.