

# API Documentation

## API: LeadScreen

### Version: 2.0.0

Date of Deployment: 5/8/2019

## Purpose

Used to retrieve a Fenris LeadScreen Score of an individual.

## Request

**URL:** [https://api.fenrisdigital.com /api/v2/scoreleads?apiKey=<OBTAIN\\_KEY\\_FROM\\_FENRIS>](https://api.fenrisdigital.com/api/v2/scoreleads?apiKey=<OBTAIN_KEY_FROM_FENRIS>)

**Headers:** Content-Type: application/json

**Request Method:** POST

## Request Body Parameters

Field	Type	Description	Example	Required
<b>LeadSource</b>	String	Your company name to denote the owner of this lead	Fenris Digital	N
<b>ApplicantID</b>	String	Alphanumeric string created to identify individual	<Client Reference Number>	Y
<b>Driver</b>		Driver details		Y
<b>Address</b>		Address details		Y
<b>Vehicle</b>		Vehicle details		N

### Vehicle

Field	Type	Description	Example	Required
<b>Purpose</b>	String	Main use of vehicle	Commuting	N
<b>Ownership</b>	String	Ownership status of vehicle	LIEN	N
<b>Year</b>	Integer	Model year of vehicle	2009	N
<b>Model</b>	String	Model of vehicle	Vue	N

<b>MileagePerYear</b>	Integer	Annual number of miles driven by vehicle	4000	N
<b>MileagePerDay</b>	Integer	Daily number of miles driven by vehicle	15	N
<b>GarageType</b>	String	NoneOrUnkown, Garage	NoneOrUnknown	N (default NoneOrUnknown)
<b>CurrentValue</b>	Decimal	Current estimated dollar value of vehicle	10000.0	N
<b>WeekdaysUsed</b>	Integer	Number of weekdays vehicle is driven in a week	7	N
<b>Trim</b>	String	Trim level of vehicle	XR	N
<b>Vin</b>	String	Vehicle Identification Number	1G1BN53E6NW128495	N
<b>Make</b>	String	Vehicle manufacturer	Saturn	N
<b>IsPrimary</b>	Boolean	True/False, is this vehicle the owner's primary vehicle	true	N

### Driver

Name	Type	Description	Example	Required
<b>FirstName</b>	String	Driver's first name	Nicholas	N
<b>LastName</b>	String	Driver's last name	Long	N
<b>LicenseAge</b>	Integer	Number of years since license issuance	10	N
<b>Relationship</b>	String		IN	N
<b>LicenseStatus</b>	String	Other, Active, Expired, Foreign, Permit, Suspended, Temporary	Active	N (default: Other)
<b>EducationLevel</b>	String	Unknown, LessThanHighSchoolDiploma, GED, HighSchool, SomeCollegeNoDegree, AssociateDegree, BachelorsDegree, MastersDegree, Doctorage, DoctorMedicine, LawDegree, VocationalTechnical	AssociateDegree	N (default: Unkown)

<b>Occupation</b>	String	Driver's occupation	Programmer	N
<b>Gender</b>	String	Female, Male, Unknown	Male	N (default: Unknown)
<b>Age</b>	Integer	Driver's age	24	N
<b>MaritalStatus</b>	String	Divorced, Married, Single, Widowed	Married	N
<b>PhoneNumber</b>	String	Driver's phone number	4326738366	N
<b>DOB</b>	String	Driver's date of birth	10-11-1960 (MM-DD-YYYY)	N

### Address

Name	Type	Description	Example	Notes
<b>City</b>	String	Driver's city of residence	Henrico	N
<b>ZipCode</b>	String	Driver's zip code of residence	23233	N
<b>County</b>	String	Driver's country of residence	Henrico	N
<b>State</b>	String	Two-letter abbreviation of state	VA	N
<b>StreetAddress</b>	String	Driver's street address	123 Some Street	N
<b>HomeOwnership</b>	String	Other, Owned, Rented	Rented	N (default: Other)

### Request Body Example

```
{
  "LeadSource": "Fenris Digital",
  "ApplicantId": "<Client Reference Number>",
  "Driver":
  {
    "FirstName": "Nicholas",
    "LastName": "Long",
    "LicenseAge": 10,
    "Relationship": "IN",
    "LicenseStatus": "Active",
    "EducationLevel": "AssociateDegree",
    "Occupation": "Programmer",
    "Gender": "Male",
    "Age": 24,
    "MaritalStatus": "Married",
    "PhoneNumber": "4326738366",
    "DOB": "10-11-1960"
  },
}
```

```
"Address":
{
  "City": "Henrico",
  "ZipCode": "23233",
  "County": "Henrico",
  "State": "VA",
  "StreetAddress": "123 Some Street",
  "HomeOwnership": "Rented"
},
"Vehicle":
{
  "Purpose": "Commuting",
  "Ownership": "LIEN",
  "Year": 2009,
  "Model": "Vue",
  "MileagePerYear": 4000,
  "MileagePerDay": 15,
  "GarageType": "NoneOrUnknown",
  "CurrentValue": 10000.0,
  "WeekdaysUsed": 7,
  "Trim": "XR",
  "Vin": "1G1BN53E6NW128495",
  "Make": "Saturn",
  "IsPrimary": true,
  "InsurancePlan":
  {
    "InsuranceLineItems": [],
    "Credits": []
  }
}
}
```

# Response

## Response Messages

HTTPS Status Code	Reason	Response Model
200	OK	<pre>{   "applicantId": "&lt;Client Reference Number&gt;",   "fenrisScore": 425,   "tier": "NonStandard",   "fraudFlag": "MODERATE",   "contactabilityScore": 200,   "propensityToBuy": 400,   "lifeTimeValue": 25,   "reasonCodeList": [     "Telephone number is blank."   ] }</pre>
400	Bad Request	
401	Unauthorized	
403	Forbidden	
404	Not Found	
409	Conflict	
500	Internal Server Error	

## Response Body Parameters

Name	Type	Notes
<b>applicantID</b>	String	Matches applicantID from request
<b>fenrisScore</b>	Integer	Score ranging 0 - 499
<b>tier</b>	String	NonStandard or Standard or Preferred
<b>fraudFlag</b>	String	Low or Moderate or High
<b>contactabilityScore</b>	Integer	0 or 100 or 200 or 300
<b>propensityToBuy</b>	Integer	100 or 200 or 300 or 400
<b>lifeTimeValue</b>	Integer	0 or 25 or 50 or 75
<b>reasonCodeList</b>	List	List of errors with the data. ex: First name is blank

## Response Body Example

```
{
  "applicantId": "<Client Reference Number>",
  "fenrisScore": 425,
  "tier": "NonStandard",
  "fraudFlag": "MODERATE",
  "contactabilityScore": 200,
  "propensityToBuy": 400,
  "lifeTimeValue": 25,
  "reasonCodeList": [
    "Telephone number is blank."
  ]
}
```

**Notice:** Invalid responses include fenris score : 0 (phone number, address, and name are all invalid), 999 (street address is empty).