

API Documentation

API: Small Business

Version: 1.0.7

Date of Deployment: 7/10/2018

Purpose

This serves as documentation for the public section of Fenris' Business View API which provides information regarding a business based on available information matched to a business name and address. It describes how to authenticate with the API, what endpoints are available, as well as basic response object definitions.

Request

URL: <https://api.fenrisdigital.com/>

Headers:

Content-Type: application/json

Request Method: POST `api/v2/bview?apiKey=<OBTAIN_KEY_FROM_FENRIS>`

Request Body Parameters

| Field | Type | Required |
|-------------|------------------------|----------|
| ApplicantID | String | Y |
| Business | Collection of Business | Y |
| Address | Collection of Address | Y |

Business

| Field | Type | Description | Example | Required |
|--------------|--------|---|-------------------------|----------|
| BusinessName | String | Name of business as it would appear on a business license | Bob Smith Ventures, LLC | Y |
| DBA | String | Doing Business As name | Bob's Bar & Grill | N |

Address

| Field | Type | Description | Example | Required |
|--------------|--------|--------------------------|------------------|----------|
| AddressLine1 | String | Street address including | 3233 Main Street | Y |

| | | | | |
|--------------|-----------------|--|---------|---|
| | | street number, directions, and street type | | |
| AddressLine2 | String | Unit or Suite number, if applicable | Unit A | N |
| City | String | City where company resides | Orlando | Y |
| State | String (char 2) | Two-letter abbreviation of state where company resides | FL | Y |
| Zip | String | Zip code where company resides | 33233 | Y |

Request Body Example

```
{
  'ApplicantId': '6b935f14-8523-11e8-adc0-fa7ae01bbebc',
  'Business': [{
    'BusinessName': 'Bob Smith Ventures, LLC',
    'DBA': 'Bob's Bar & Grill'
  }],
  'Address': [{
    'AddressLine1': '3233 Main Street',
    'AddressLine2': 'Unit A',
    'City': 'Orlando',
    'State': 'FL',
    'Zip': '33233'
  }]
}
```

Response

Response Messages

| HTTPS Status Code | Reason | Response Model |
|-------------------|-----------------------|---|
| 200 | Request Successful | {'ApplicantId':'6b935f14-8523-11e8-adc0-fa7ae01bbebc', 'MatchScore': 95, 'BusinessInfo': [{'AltBusName': [{'AltBusName1': 'Bob's Grill', 'AltBusName2': null, 'AltBusName3': null}], 'AltAddress': [{'AltAddress1': '215 Linda Lane', 'AltAddress2': , 'AltCity': 'West Palm Beach', 'AltState': 'FL', 'AltZip': '33404' }], 'FEIN': '591252355', 'EntityType': 'LLC', 'YearEstablished': 1982, 'NAICSCode': [{'PrimaryNAICS': '722110', 'PrimaryNAICSDesc': 'Full-Service Restaurants', 'SecNAICS_1': null, 'SecNAICSDesc_1': null, 'SecNAICS_2': null, 'SecNAICSDesc_2': null, }]}, 'FinancialMetrics': [{'NumEmployeesRange': '10 to 25', 'AnnualSalesRange': '\$500,000 to \$999,999'}], 'Cyber': [{'WebAddress': 'www.bobsbargrill.com'}]} |
| 400 | Bad Request | Invalid JSON or missing required field |
| 401 | Unauthorized | |
| 403 | Forbidden | |
| 404 | Not Found | |
| 409 | Conflict | |
| 500 | Internal Server Error | Notify Fenris (it@fenrisd.com) |

Response Body Parameters

| Name | Type |
|------------------|--------------------------------|
| ApplicantId | String |
| MatchScore | Integer |
| BusinessInfo | Collection of BusinessInfo |
| FinancialMetrics | Collection of FinancialMetrics |
| Cyber | Collection of Cyber |

BusinessInfo

| Name | Type |
|------|------|
|------|------|

| | |
|-----------------|----------------------------|
| AltBusName | Collection of AltBusName |
| AltAddress | Collection of Alit Address |
| FEIN | Integer |
| EntityType | String |
| YearEstablished | Integer |
| NAICSCode | Collection of NAICSCode |

AltBusName

| Name | Type |
|-------------|--------|
| AltBusName1 | String |
| AltBusName2 | String |
| AltBusName3 | String |

AltAddress

| Name | Type |
|-------------|--------|
| AltAddress1 | String |
| AltAddress2 | String |
| AltCity | String |
| AltState | String |
| AltZip | String |

FinancialMetrics

| Name | Type |
|-------------------|--------|
| NumEmployeesRange | String |
| AnnualSalesRange | String |

NAICSCode

| Name | Type |
|------------------|--------|
| PrimaryNAICS | String |
| PrimaryNAICSDesc | String |
| SecNAICS_1 | String |
| SecNAICS_2 | String |
| SecNAICSDesc_2 | String |
| SecNAICSDesc_2 | String |

Cyber

| Name | Type |
|------------|--------|
| WebAddress | String |

Response Body Example

```
{
  'ApplicantId': '6b935f14-8523-11e8-adc0-fa7ae01bbebc',
  'MatchScore': 95,
  'BusinessInfo': [{
    'AltBusName': [{
      'AltBusName1': 'Bob's Grill',
      'AltBusName2': null,
      'AltBusName3': null
    }],
    'AltAddress': [{
      'AltAddress1': '215 Linda Lane',
      'AltAddress2': ,
      'AltCity': 'West Palm Beach',
      'AltState': 'FL',
      'AltZip': '33404'
    }],
    'FEIN': '591252355',
    'EntityType': 'LLC',
    'YearEstablished': 1982,
    'NAICSCode': [{
      'PrimaryNAICS': '722110',
      'PrimaryNAICSDesc': 'Full-Service Restaurants',
      'SecNAICS_1': null,
      'SecNAICSDesc_1': null,
      'SecNAICS_2': null,
      'SecNAICSDesc_2': null,
    }],
  }],
  'FinancialMetrics': [{
    'NumEmployeesRange': '10 to 25',
    'AnnualSalesRange': '$500,000 to $999,999'
  }],
  'Cyber': [{
    'WebAddress': 'www.bobsbargrill.com'
  }]
}
```