# 

**Demand No# - API**

**#Name**

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| **Version & Date** | **Created/Changed by** | **Change details** | **Reviewed/Approved By** |
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# **API Name**

**AViD API Design URL:** <https://next.stoplight.io/se-avid/no-82-darwin-project-apis/version%2F1.0/BFO-OpportunityQualification.oas2.yml?edit=/>

Underlying Backend API including Technical Specification and payload sample:

**Backend URLs:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ENV | API Operation path (Apigee) | Backend Service-Host | Backend Service Base Path | Backed Service Operation Path |
| DEV | GET: /qualificationquestionresponses/{opportunityid} |  |  |  |
|  | GET:  /qualificationresponses/{opportunityid} |  |  |  |
|  | POST:  /qualificationquestionresponses |  |  |  |
|  | POST:  /qualificationresponses |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| QA |  | ? |  |  |
| PRE-PRDO |  | ? |  |  |
| PROD |  | ? |  |  |

**Backend Security Credentials:**

Provide the process and credentials to generate token for all environment based the security model.

Like – BASIC, OAUTH,SAML,JWT

**Backend Security Credentials/Certificate:**

|  |  |
| --- | --- |
| **ENV** | **Credentials** |
| DEV | TBD |
| QA | TBD |
| UAT | TBD |

Backend Error Structure and Http Status code:

**HTTP 400 – Sample Structure (if Error structure is different from APIM Standard)**

**Consumer App:** Name of the Consumer APP

**-Developer Name :** Consumer developer name

**-Developer Email :** Consumer Email (only SE domain)

**Resource Specific Sample Success Request Example:** This will be used for basic testing also if there is any mash up required for success as well as error.

## Project Background

Opportunity Qualification Tool is a feature that assists sales agents to determine if a particular opportunity qualifies certain criteria and if can be bid on. The qualificatoin tool has to be developed in the Easy Sales mobile application.

The tool consists of 3 screens. In Screen 1, several Opportunity Qualification Questions are to be answered and this response is sent to bFO and is saved in the Opportunity Qualification Responses object (savequalificationquestionresponses API). Once the process is completed, the questions and the corresponding responses are displayed in read-only mode (qualificationquestionresponses API).

In Screen 3, the opportunity Qualification Form fields are displayed whose values are got from bFO via a get API (qualificationresponses API) and the values that are selected by the user in Easy Sales is sent back to bFO where it is saved (savequalificationresponses API).

## Sequence Diagram

Easy Sales

bFO

Opportunity Record

saveQualificationQuestionsResponses

[opportunityId]

Qualification

QuestionsResponses

getQualificationQuestions

[opportunityId]

APIM

List of Support Requests

List of selected Solution Centers

List of Solution Centers

saveQualificationForm

[QualificationForm]

QualificationForm

Easy Sales

bFO

getQualificationForm

[opportunityId]

APIM

## SEAPIM Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Security** | Yes/No | Parameter | Value | |
| Apigee Token Generation | Yes | Grant Type | Client Credentials | |
| Apigee Token Verification | Yes |  | After SEAPIM token is validated, remove the Authorization header. | |
| Apigee Token Caching | Yes | Expiry | 1 hour | |
| Backend Server Apikey Caching |  |  |  | |
|  |  | |
| JSON & XML Threat Protection | No | Max Array Length | NA | |
| Max Depth |
| Logging | Yes, but limited |  |  | |
| Mask payload fields e.g. personal data | No |  | Token, Request/Response payload | |
| Back end Security | No |  |  | |
| **Traffic Management** | Yes/No | Parameter | Value | |
| Spike Arrest | Yes | Rate | Default: 30 calls/sec.  Initial volume | |
| Developer Quota (External Consumer) | No | Rate | NA | |
| Developer Quota (Internal Consumer) | Yes | Rate | NA | |
| Concurrency Limit | No | Rate | NA | |
| Get Response Caching | No | Expiry | NA | |
|  |  |  |  | |
| **Mediation** | Yes/No | Mapping Rule | | |
| Forward Client App token to Backend | No | NA | | |
| Request is pass through to the backend | Yes |  | | |
| Response is pass though to the client from backend |  |  | | |
| Request mapping logic (header, verb, path, query param, payload attributes) | No | NA | | |
| Response mapping logic(header, path, payload attributes) | No |  | | |
| Backend server routing logic | No | NA | | |
| HTTP Status code mapping logic | No | NA – Validate with backend team | | |
| Data Validation | No | Backend will be doing all data validation | | |
| Standard Error Response mapping logic | No |  | | |
|  |  |  | | |
| **Reporting/Monitoring** | **Yes/No** | **Mapping Rule** | | |
| Custom Statistics Collection | Yes | OOTB | | |
|  |  |  | | |
| **Network connectivity** | **Yes/No** | Value | | |
| Backend regional server routing | No |  | | |
| Continuous streaming mode | No |  | | |
| Backend connection time out | Yes |  | |  |
| Backend IO time out | Yes |  | |  |
| SSL – 2-WAY / 1-WAY |  |  | | To be validated |
| Accessibility – Public | Yes |  | |  |
| RP – Configuration (To make service publicly accessible) | No | Provide all the environment, region server IP ,Port and Resource Path | |  |

|  |  |  |
| --- | --- | --- |
| **Backend Service Supported Content** | **YES/NO** | Comments |
| Backend produce/consume both - XML/JSON | NO |  |
| Backend produce/consume only - JSON | YES |  |
| Backend produce/consume only - XML | NO |  |

|  |  |  |
| --- | --- | --- |
| **Pay Load Size** | Maximum Limit in MB | Comments |
| Response |  |  |
| Request |  |  |

|  |  |  |
| --- | --- | --- |
| **Support Contact details** | Name | Email |
| Backend support group |  |  |
| Product Owner |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Backend Service Availability** | Environment | Date | Comments |
| API- Name | DEV |  |  |
| SIT |  |  |
| UAT |  |  |
| PRE-PROD |  |  |
| PROD |  |  |
| API - Name | DEV |  |  |
| SIT |  |  |
| UAT |  |  |
| PRE-PROD |  |  |
| PROD |  |  |

## Approvals: