**ADR Step 1 Checklist**

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**Authors: API Management Team**

**Digital Architecture**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version & Date** | **Created/Changed by** | **Change details** | **Reviewed/Approved By** |
| **1.0/ Mar 11, 2020** | **Maneesh Moota** | **Initial version** |  |

## Redundancy Check

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| Check for redundancy of the API with existing APIs on Catalog | Yes |  |
| Major version, minor version - decide based on breaking changes to existing version | Yes |  |

## Rest Standards Check

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| Check for no warnings or errors on the API Spec on AViD. Custom lint will check the rules listed in this document (<https://schneider-electric.app.box.com/file/468997166823>) | Yes |  |
| API Basepath conformance with Remi's Excel sheet or Workbook (<https://schneider-electric.app.box.com/file/607513841022>) | Yes |  |
| RPC warnings - discourage for new designs, waived for existing designs if update is not possible. | No |  |

## Changes Capture

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| What are the changes or updates being made to this API in this revision | Yes |  |
| Capture/Check other authentication methods along with APIGEE OAuth2. For example, some APIs are using Basic Auth from APIGEE to backend once OAuth2 is checked | Yes |  |
| Capture fields updated or removed in the request or response payload, in case if there is some mapping happening in APIGEE. Get delta of what is changed from Project Team | Yes |  |

## SLA Requirements Capture

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| What are the various environment timelines? UAT, Pre-Prod and Prod? |  |  |
| What are the SLA requirements? | Yes |  |

## Support Contacts

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| Who are the contacts for frontend and backend teams? | Yes |  |

## Networking Checklist

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| Provider system hosted in SE internal network? |  |  |
| Consumers apps hosted in SE internal network? |  |  |
| Specific requirements for encrypting the data? |  |  |
| Any restrictions on processing data in APIGEE cloud? |  |  |
| Data protection/security related requirements? |  |  |

## Intake Checklist

|  |  |  |
| --- | --- | --- |
| **Requirements** | Mandatory | Status |
| Who are the consumers? |  |  |
| Who is the provider? Product owner |  |  |
| Is this new API or change in existing API? |  |  |
| Is the API will talk to multiple API backend systems? |  |  |
| For GET operation, is there any limit to get the record count and size? Pagination functionality required? |  |  |
| For Post/PUT request, what is the number of records posted in one transaction? |  |  |
| How often the backend data is updated/refreshed? |  |  |
| Back end response is synchronous/asynchronous? |  |  |
| What is the average load in an hour/day? |  |  |
| How many concurrent requests expected? |  |  |
| Is data transformation required? |  |  |
| Is data orchestration required? If yes, what is the complexity? |  |  |
| Special request for API security? API team will apply Oauth security as standard. |  |  |
| SSL/TLS encryption required? |  |  |
| What the record count for JSON/XML requests? |  |  |
| What the object depth for JSON/XML requests? |  |  |
| Special request for logging and notification? |  |  |
| Support group for provider? |  |  |
| Support group for consumers? |  |  |
| Who is the sponsor of this API? |  |  |

## Build Checklist

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| ADR intake approval completed? Business Value and other details entered in the Demand pipeline entry? | Yes |  |
| When the backend system will be available for development and all environments? |  |  |
| Is IFW/other middleware connected in the backend? |  |  |
| Is mapping/transformation ready for API layer? |  |  |
| Is logic ready to be implemented in API layer? |  |  |
| is there any special request for error codes? |  |  |
| What is the maximum record count for backend response? |  |  |
| Is the channel encrypted between front end and backend? |  |  |
| Backend response is async? If yes how the callback to be designed? |  |  |
| Is content based routing required? If yes, what is the condition? |  |  |
|  |  |  |
| New API product required, or existing product reused? |  |  |
| Is request sample message shared? |  |  |
| Is response sample messages shared? |  |  |
| Is any field validation required for request payload? |  |  |

## Developer Portal

|  |  |  |
| --- | --- | --- |
| **Requirements** | **Mandatory** | **Status** |
| API and products published on internal portal or external or both? |  |  |
| API should be published part of existing product or new product? |  |  |
| App registration/developer registration in the portal is auto approved or need approval workflow? |  |  |
| Portal resources restrictions to developer apps? |  |  |
| Analytics/reports requirements from developer portal |  |  |