Table of Contents

[1. Introduction 2](#_Toc4679913)

[2. Process description 3](#_Toc4679914)

[3. Graphical representation of data flow 4](#_Toc4679915)

[4. API Details – General Characteristics 5](#_Toc4679916)

[4.1. Interface details – specific characteristics 5](#_Toc4679917)

[API Provider (Backend) Information 5](#_Toc4679918)

[API Consumer Information 7](#_Toc4679919)

[Additional Policy Requirements 9](#_Toc4679920)

[Volume Data 9](#_Toc4679921)

[Comments / Characteristics 9](#_Toc4679922)

[5. Testing 10](#_Toc4679923)

[5.1. Test Data 10](#_Toc4679924)

[5.2. Test cases 10](#_Toc4679925)

[6. Monitoring requirements 11](#_Toc4679926)

[6.1. Technical Monitoring 11](#_Toc4679927)

[6.2. Business Monitoring 11](#_Toc4679928)

[7. Definitions and Abbreviations 12](#_Toc4679929)

[7.1. Definitions 12](#_Toc4679930)

[7.2. Abbreviations 12](#_Toc4679931)

[8. Reference Documents 14](#_Toc4679932)

[9. Attachments 15](#_Toc4679933)

[10. Document History 16](#_Toc4679934)

# Introduction

For each API virtualized in Axway API Management, this specification form must be filled prior to the implementation as this document captures background information and key requirements needed for the API implementation.

The primary Interface Owner typically represents the back-end (providing) system is ultimately responsible for the content of the document. An Integration Architect from EDS DAI should contribute to or review this document (and it should be supported by and Integration Architecture Design.)

Since APIs are often used as reusable components, all CMDB Interfaces that use the API should include the API name in the Interface Description and the BI-CS-AXWAY should be related to the CMDB Interface Config Item with an Installed link. Additionally, the CMDB Interface Owner(s) should be informed of the additional dependencies.

# Process description

This document is based on the following Functional Specifications Doc or JIRA User Story:

AH-1279 and AH-1301

Describe the business or high-level process that the API will support:

|  |
| --- |
| Get Indirect orders headers/lines by date method from Customer Contact API will be used by Magento to return information from Orders, from country FR and business AH and after a given modified Date.  The API contract and further resources detailing each of the methods, including sample responses, can be found at:  <https://confluence.biscrum.com/pages/viewpage.action?spaceKey=BIC1&title=FR+Indirect+Orders+API>  <https://confluence.biscrum.com/display/BIC1/FR+Indirect+Orders>  <https://bitbucket.biscrum.com/projects/API/repos/api-exp-indirect-orders/browse>  The source data is Veeva, and the API directly call the Veeva’s Webservices.  The indirect orders API process the response received from Veeva to fit wth the defined data model by implementing a custom policy called “(IT MS) Indirect Orders Data API/indirect orders internal router”. |

# Graphical representation of data flow

Provide a link to an external document or embed a graphical representation of the data flow.

**Note: The check boxes can be activated or deactivated by clicking.**

|  |  |
| --- | --- |
| **Functional Spec Doc or JIRA User Story** | **Format**  ARIS  PPT  VSD  Other: |
| AH-1279, AH-1301 |
| **Link to external document:**  N/A | |

**Graphical representation of the data flow:**

N/A

# API Details – General Characteristics

*In this section the general characteristics of the API are described. Please note the following table must be filled only once for the API. The specific details of the API consumers and back-end providers are described in section 4.1. Each consumer/provider combination should be created as a distinct CMDB Interface (required for dependency and impact analysis.)*

|  |  |  |  |
| --- | --- | --- | --- |
| **API Name:** | | | BI-IF-VEEVATOMAGENTO-ORDERS |
| **Related CMDB Interface(s):** | | | [BI-IF-VEEVATOMAGENTO-ORDERS](https://boehringer.service-now.com/u_cmdb_ci_interface.do?sys_id=74c5577f1b8338d0ecdfdc268b4bcb2a&sysparm_record_target=u_cmdb_ci_interface&sysparm_record_row=3&sysparm_record_rows=6&sysparm_record_list=nameCONTAINSVEEVATOMAGENTO%5EORDERBYname) |
| **Planned go-live date:** 4 feb. 2022 | | | **Planned test duration of project:** December 2021 and January 2022 |
| **General information** | | | |
| Type of API: | | |  |  | | --- | --- | | Enterprise API (Agile / Digital)  Enterprise API (Data Monetization) | Project Specific (Extend Integration)  Project Specific (Secure Back-end) | | |
| API Portal: | | |  | | --- | | Portal Access Required (for Self Service API Consumers) | | |
| Organization | | |  |  | | --- | --- | | DAI  AH | IT  HP | | |
| Content of data: | | Customer Contact (individual type of account) | |
| Business Object: | | Order | |
| Personally Identifiable information: | | API will expose personally identifiable information, if yes, provide PIA #: | |
| Data classification: | | Confidential  Internal  Public | |
| Inbound Security: | Mutual SSL  API Key  Basic Cred.  OAuth, indicate grant type:        Others: | | |
| Processing mode: | Synchronous (bidirectional)  Asynchronous (unidirectional), explain: | | |

## Interface details – specific characteristics

In this section provide the details of the API Providers (Backend) and API Consumers.

|  |  |  |
| --- | --- | --- |
| API Provider (Backend) Information | | |
| Location of Provider | Internal (within BI network)  Cloud System (external)  External Partner (external)  Other: | |
| Back-end System | Name of Sender: BI-IT-VEEVA  Existing Sender  New Sender | |
| Back-end Protocol | SOAP  HTTP  REST  JMS  other: <Type of adapter> | |
| Structure Type | |  |  | | --- | --- | | CSV  JSON | Text  XML | | |
| Structure definition | Swagger  WSDL  other: json  **Name of Structure:**  N/A | |
| Connection Parameters | | |
|  | **Development environment connection information:**  Reference Date:  Endpoint: https://biaheu--full11.my.salesforce.com/services/oauth2/token  Authentication Details (e.g. Credentials):  Connection to Veeva using oauth2: this need user+password+client-id+client-secret.    **Testing environment connection information:**  Reference Date:  Endpoint: SAME as DEV  Authentication Details (e.g. Credentials):  SAME as DEV  **Production environment connection information:**  Reference Date:  Reference Date:  Endpoint: <https://biaheu--full11.my.salesforce.com/>  Authentication Details (e.g. Credentials):  Connection to Veeva using oauth2: this need user+password+client-id+client-secret. | |
| Firewall | | |
| Are there any changes required to a firewall? | Yes  No | |
| Firewall Change request Number |  | |
|  | | |
| API Consumer Information | | |
| Location of Consumer | Internal (within BI network)  Cloud System (external)  External Partner (external)  Other: | |
| Consumer System | Name of Consumers: BI-CS-ADOBE-MAGENTO  Existing Consumer  New Consumer | |
| Protocol | SOAP  HTTP  REST | |
| Structure Type | |  |  | | --- | --- | | CSV  JSON | Text  XML | | |
| Structure definition | OpenAPI (Swagger)  WSDL | |
| Is a conversion of a structure required? (mapping) | | Yes: (IT-EDS)-Indirect-Orders-API.v1\_Mapping-Indirect-Orders-BI-IF-VEEVATOMAGENTO-INDIRECT-ORDERS.xlsx  No |
| Required API Policies | | Request  Response  Routing  List the required policy filters (e.g. ip filtering, caching, throttling, etc.): |
| Volume Data | | |
| Maximum message size | | 2 KB |
| Ø Message size | | *1 KB* |
| Number of messages  Occurrence | | 100  Daily  Weekly  Monthly  Hourly  Other: |
| Comments / Characteristics | | |
| Comments | |  |

# Testing

*This section is used to describe how the API can be tested during development. This does not replace functional testing of the interface. The testing approach will be reviewed during API deployment to ensure that the selected test strategy (below) has been followed.*

Further testing requirements are described below:

## Test Data

Tests have been done using postman

## Test Cases

* + Some use cases:
* Customer number: 9696, 10873, 21059, 17203
* Email: claire.bafaro@orange.fr

# Monitoring requirements

## Technical Monitoring

In general the technical monitoring is carried 24hx7 Days via Application Managed Service and the technical monitoring solution (for example API Gateway Dashboard). This covers connectivity problems at API Provider and API Consumer, values that exceed limits, etc. The interface owner will be notified and asked for support in such cases.

The technical monitoring is limited to the integration platform (API Management). Application specific problems (e.g. message could not be processed by back-end) are not covered by technical monitoring.

Standard technical monitoring will be in place after go-live.

## Business Monitoring

End-to-End Business monitoring means monitoring of processes on application level. For example due to incorrect contents of messages there can occur application errors. The errors do not trigger technical errors during the communication. Accordingly the semantic quality of contents must be assured separately. Therefore, for example, queries and controls in application system are well suited.

Current solution for Business Monitoring is configured in Embedded Analytics, and it normally require a tailored approach to design an effective dashboard for each use case.

|  |  |
| --- | --- |
| Embedded Analytics | |
| User | N/A |
| API Management Access Myshop # | N/A |

# Definitions and Abbreviations

## Definitions

| **Term** | **Definition** |
| --- | --- |
| N/A | N/A |

## 

## Abbreviations

| **Abbreviation** | **Meaning** |
| --- | --- |
| A2A | Application to Application |
| ALE | Address Latch Enable |
| API | Application Programming Interface |
| B2B | Business to Business |
| BAPI | Business Application Programming Interface |
| EPC | Event Driven Process Chain |
| FS ID | Functional Specification Identification |
| FTP(s) | File Transfer Protocol (Secured) |
| HTTPS | Hypertext Transfer Protocol Secure |
| IDOC | Intermediate Document |
| IIS | Interface Specification |
| PGP | Pretty Good Privacy (data encryption standard) |
| PMx | SAP PO 7.5 Java Only Landscape at BI |
| PPT | Powerpoint |
| PXx | SAP PI 7.4 Dual Stack Landscape at BI |
| RICEF | Reports Interface Conversions Enhancement Forms |
| SAP PI | SAP Process Integration |
| SAP PO | SAP Process Orchestration |
| SCPI | SAP Cloud Platform Integration |
| sFTP | Secure File Transfer Protocol |
| S-MIME | Secure / Multipurpose Internet Mail Extensions |
| SMTP | Simple Mail Transfer Protocol |
| SOAP | Simple Object Access Protocol |
| TS | Technical Specification |
| TSY | T-Systems |
| VPN | Virtual Private Network |
| WSDL | Web Services Description Language |
| XML | Extensible Markup Language |
| XSD | Extensible Markup Language Schema |

# Reference Documents

# Attachments

* Attachment 1: Mapping Table (IT-EDS)-Indirect-Orders-API.v1\_Mapping-Indirect-Orders-BI-IF-VEEVATOMAGENTO-INDIRECT-ORDERS.xlsx

# Document History

| **Version** | **Date** | **Author** | **Change Reference** |
| --- | --- | --- | --- |
| 1.0 | See Summary of electronic document or signature page of printout. | Julien PHILIPPE | CHG0067690 |