Interface Specification

Messer Invoice Ingestion API

|  |  |
| --- | --- |
| **Author:** | **Dhanunjay** |
| ***Creation Date:*** | *February 21, 2020* |
| ***Last Updated:*** | *February 21, 2020* |

Document Approval

The electronic signatures for this document are maintained in an electronic document management system, eDocS. This should not be considered an approved document and used for reference unless the signature page from that system is attached.

Reviewers

|  |  |
| --- | --- |
| ***Name*** | ***Position*** |
|  |  |
|  | Integrations Manager |
|  |  |
|  |  |

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| ***Date*** | ***Author*** | ***Version*** | ***Change Reference*** |
|  |  |  |  |
| 21-Feb-20 | Dhanunjay | 1.0 | No Previous Document |

The revision history for this document is maintained in an electronic document management system, eDocS.

Contents

1 Introduction 3

2 System Overview 3

3 Definitions 3

4 Service Specification 3

4.1 Service Details 3

4.2 Service Operations: 4

4.2.1 Operation: customerCUD 4

4.2.2 Data Elements: 4

4.2.3 Sample Payloads: 5

4.2.4 Data Structure 7

4.2.5 Response codes 7

5 References 7

# Introduction

The document describes in detail about the web API specifications for Invoice data import into Messer AP Autmation.

# System Overview

This document covers in its entirety, the service/API details required for any Invoice data Source system to integrate and push data update events to Messer AP Autmation via the specified Invoice web API implemented as part of the Messer AP Autmation Integration Platform.

# Definitions

|  |  |
| --- | --- |
| ***Term*** | ***Definition*** |
| WSDL | Web Services Definition Language |
| XML | eXtensible Markup Language |
| XSD | Schema which defines the message format |
| SSL | Secured Socket Layer |
| HTTP | Hypertext Transfer Protocol |
| WADL | Web Application Description Language |
| JSON | JavaScript Object Notation |
| REST | Representational State Transfer |

# Service Specification

## Service Details

|  |  |  |
| --- | --- | --- |
| ***SERVICE SPECIFICATION PARAMETERS*** | ***SERVICE SPECIFICATION VALUES*** | ***COMMENTS*** |
| ***Service Name*** | /create |  |
| ***Protocol*** | HTTP/REST |  |
| ***Security Protocols*** | NONE |  |
| ***DEV Service URL*** | TBD |  |
| ***TEST Service URL*** | TBD |  |
| ***PROD Service URL*** | TBD |  |

## Service Operations:

|  |  |  |
| --- | --- | --- |
| ***OPERATIONS*** | ***METHOD*** | ***COMMENTS*** |
| ***invoiceCUD*** | POST |  |

### Operation: invoiceCUD

Systems that are SOT’s for invoice data may transmit any add, update in invoice information to Messer Automation API using this operation. The expected data elements and JSON structure required to use this functionality are described in the sections below:

### Data Elements:

#### Request:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data** | ***Element Name*** | ***Data Type*** | ***Required (Y/N)*** | ***Sample Values*** |
| Invoice/ | companyId | String | Y | . |
| Invoice/ | deptId | String | N |  |
| Invoice/ | invoiceNo | String | Y |  |
| Invoice/ | creditNote | DateTime | N |  |
| Invoice/ | poNumber | Decimal | Y |  |
| Invoice/ | serviceDate | DateTime | N |  |
| Invoice/ | invoiceDate | String | Y |  |
| Invoice/ | deliveryDate | String | N |  |
| Invoice/ | invoiceAmountGross | String | N |  |
| Invoice/ | invoiceAmountNt | Decimal | N |  |
| Invoice/ | channelType | String | N |  |
| Invoice/ | workFlowStatus | String | N |  |
| Invoice/ | channelType | String | N |  |
| Invoice/ | rejectReason | String | N |  |
| Invoice/ | ibanNo | String | N |  |
| Invoice/ | accountNo | String | N |  |
| Invoice/ | companyName | String | N |  |
| Invoice/ | companyAddress | String | N |  |
| Invoice/ | supplierName | String | N |  |
| Invoice/ | supplierAddress | String | N |  |
| Invoice/ | supplierIdentifier | String | N |  |
| Invoice/ | vatId | String | N |  |
| Invoice/ | transactionType | String | N |  |
| Invoice/ | fileDetails | String | N |  |
| Invoice/Items/ | lineId | String | Y |  |
| Invoice/Items/ | ponumber | String | Y |  |
| Invoice/Items/ | itemCode | String | Y |  |
| Invoice/Items/ | itemDesc | String | N |  |
| Invoice/Items/ | uqc | String | N |  |
| Invoice/Items/ | qty | String | N |  |
| Invoice/Items/ | taxAmount | String | N |  |
| Invoice/Items/ | itemRate | String | N |  |
| Invoice/Items/ | rate | String | N |  |
| Invoice/Items/ | lineValue | String | N |  |
| Invoice/Items/ | currency | String | N |  |
| Invoice/Items/ | vehiclePlateNo | String | N |  |
| Invoice/Items/ | costCenterCode | String | N |  |
| Invoice/Items/ | costAccountMgr | String | N |  |

#### Response:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Data*** | ***Element Name*** | ***Data Type*** | ***Required (Y/N)*** | ***Sample Values*** |
| ***Grouping*** |
|  | status | boolean | Y | If error then let source know to retry again. Based on status code.  true/false |
|  | statusCode | string | Y | MC-000 |
|  | message | String | Y | Any error message or event details to source system |

### Sample Payloads:

#### Request

{

"userId": 3,

"deptId": 123,

"companyId": 3,

"invoiceNo": "9",

"creditNote": "99",

"poNumber": "9",

"serviceDate": null,

"invoiceDate": "17/02/2020",

"deliveryDate": "17/02/2020",

"invoiceAmountGross": 9.00,

"invoiceAmountNt": 9.00,

"workFlowStatus": 1,

"channelType": null,

"errorDesc": null,

"rejectReason": null,

"ibanNo": null,

"accountNo": "9",

"companyName": null,

"companyAddress": null,

"supplierName": null,

"supplierAddress": null,

"supplierIdentifier": null,

"vatId": "9",

"transactionType": null,

"fileDetails": null,

"items": [

{

"lineId": 12,

"headerId": 65,

"ponumber": null,

"itemCode": "9",

"itemDesc": "9",

"uqc": "",

"qty": 99.0,

"taxAmount": null,

"itemRate": null,

"rate": null,

"lineValue": 891.0,

"currency": "9",

"errorDesc": null,

"vehiclePlateNo": null,

"costCenterCode": null,

"costAccountMgr": null

}

]

}

#### Response:

{

"status": true,

"statusCode": "MC-000",

"message": "Details are successfully saved",

}

#### Error:

{

"status": false,

"statusCode": "MC-001",

"message": "Details are not saved : invoice number is mandatory",

}

### Data Structure

The operation specific data elements are provided in a JSON Schema format to help conform and create JSON data required to

|  |  |  |
| --- | --- | --- |
| ***Artifact Name*** | ***Artifact File*** | ***Comments/Usage*** |
| *EventRequest JSON Schema* |  | This document provides the schema required to build the JSON data to invoke the “invoiceCUD” operation. |
| *EventResponse JSON Schema* |  | This document provides the schema required to build the JSON data response from the “invoiceCUD” operation. |
|  |  |  |

# 4.2.5 RESPONSE CODES

|  |  |  |
| --- | --- | --- |
| **status** | **statusCode** | **message** |
| **true** | ***MC-000*** | **Operation Successfully completed** |
| **false** | ***MC-001*** | **Invoice Number is mandatory** |
| **false** | ***MC-002*** | **Invoice Amount is mandatory** |
| **false** | ***MC-Error*** | **Service may down please retry or contact administrator** |

# References

|  |  |  |
| --- | --- | --- |
| ***Document ID*** | ***Title*** | ***Comments*** |
|  |  |  |