**Integration Solutions Class Project**

**Loading data from file system into MySQL DB**

**Detailed Design Document**

**Version 0.1**

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <dd/mmm/yy> | <x.x> | <details> | <name> |
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**Loading data from file system into MySQL DB Detailed Design Document**

# **Loading data from file system into MySQL DB**

*The interface read data from customer.json file and load the data into MySQL DB*

## **filetoMySQLFlow flow**

*filetoMySQLFlow read data from customer.json file as a stream, transform data and bulk insert data into MySQL DB*

### *Elements and Attributes used*

*filetoMySQLFlow uses below Mule components*

*On New or Updated File*

*Transform Message (DataWeave Component)*

*Bulk Insert DB*

*JMS Publish*

#### Interface Input

*The interface read customer.json file*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Element/Attribute** | **Description** | **Required** |
| id | | Employee id of employee | Y |
| firstname | | First name of employee | Y |
| lastname | | Last name of employee | Y |
|  | |  |  |

#### Interface Output

*The interface insert data in Employee table in Employee table in Training schema*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Element/Attribute** | **Description** | **Required** |
| user\_id | | Employee id of employee | Y |
| first\_name | | First name of employee | Y |
| last\_name | | Last name of employee | Y |
|  | |  |  |

### *Extension elements*

*[Any extensive element beyond industry standards that where add to this interface. e.g. custom header of fault schemas for webservices interfaces]*

|  |  |  |
| --- | --- | --- |
| **Element/Attribute** | **Description** |  |
|  |  |  |

### *Allowed Values*

*[Fill this section if you interface input and/or output fields allowed values restrictions. e.g. xml enumeration field]*

#### Input

*[Operation input allowed values]*

|  |  |
| --- | --- |
| **Element/Attribute** | **Value** |
|  |  |
|  |  |

#### Output

*[Operation output allowed values]*

|  |  |
| --- | --- |
| **Element/Attribute** | **Value** |
|  |  |
|  |  |

### *Error Codes*

*[List all the possible error code you interface will return]*

*The interface publish failed messages into DLQ queue on ActiveMQ server*

|  |  |
| --- | --- |
| **Code** | **Comment** |
|  |  |
|  |  |

### *Sample Documents*

*[List sample input and output documents for this interface. provide document location information if needed ]*

|  |  |
| --- | --- |
| **Document Name** | **Comment** |
|  |  |
|  |  |