

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

1. Loading data from file system into MySQL DB

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

1.1 filetoMySQLFlow flow

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

1.1.1 Elements and Attributes used

filetoMySQLFlow uses below Mule components

On New or Updated File

Transform Message (DataWeave Component)

Bulk Insert DB

JMS Publish

1.1.1.1 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 |
| | | | |

1.1.1.2 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 |
| | | | |

1.1.2 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 | |
|-------------------|-------------|--|
| | | |

1.1.3 Allowed Values

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

1.1.3.1 Input

[Operation input allowed values]

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

1.1.3.2 Output

[Operation output allowed values]

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

1.1.4 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 |
|------|---------|
| | |
| | |

1.1.5 Sample Documents

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

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