**Dispatcher Middleware Description**

1. **About DispatcherMW**

This name of this application is DispatcherMW. DispatcherMW supplies online Machine Translation Service, which could translate xlf file under Restful Service.

1. **Application Dependency**
2. Maven: This project depends on Maven.
3. Install Third Part Library: Some library doesn’t exist in maven repository, so we need install them manually, see details in {lib}\\_\_Install.txt.
4. About using code, the related GlobalSight MT Java code comes from “GlobalSight\_8\_5\_3\_Released\_Branch”.
5. **Application Structures**

|-- pom.xml Maven POM File

|-- lib Third Part Library folder

|-- client DispatcherMW Client Code

|-- Document Project description folder

`-- src Java File

`-- main

|-- java DispatcherMW Java Files

|-- globalsight GlobalSight MT Java Files

|-- resources Include property file

`-- webapp

|-- WEB-INF

| |-- pages JSP Folder

| `-- web.xml

`-- resources

|-- css

|-- images

|-- jquery

`-- js

1. **Server Configuration**

The DispatcherMW Server needs some configuration:

1. Modify Encoding to support special character.

In Tomcat 7, modification file is {Server Path}/conf/server.xml,

And the related server parameter is

<Connector port="8888" protocol="HTTP/1.1" ="20000" redirectPort="8443" URIEncoding="UTF-8"/>

1. **Data save path**

The basic path is {user.home}/AppData/Local/DispatcherMW, such as C:\Users\Joey\AppData\Local\DispatcherMW

The folder structure:

|  |  |  |
| --- | --- | --- |
| Folder Name | Child File | Description |
| data | Account.xml  Languages.xml  MachineTranslationProfiles.xml | The folder is used for saving server configure info. Such as Account Info, Languages Info and MT Profile Info. |
| fileStorage | {Account Name}/{Job ID}/source  {Account Name}/{Job ID}/target | The folder is used for saving upload xlf file and translated xlf file |
| logs | application.log | Application log |

***Appendix:***

1. Maven command:

mvn version

mvn package

mvn clean

**mvn eclipse:eclipse -DdownloadSources**

1. Eclipse project configure file:

