**GlobalSight Dispatcher Description**

1. **About Dispatcher**

This name of this application is Dispatcher. Dispatcher supplies online Machine Translation Service, which could translate text with web 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\_Released\_Branch”.
5. **Application Structures**

|-- pom.xml Maven POM File

|-- lib Third Part Library folder

`-- src Java File

`-- main

|-- java Dispatcher Java Files

|-- globalsight GlobalSight MT Java Files

`-- webapp

|-- WEB-INF

| |-- pages JSP Folder

| `-- web.xml

|-- resources

| |-- css

| |-- images

| |-- jquery

| `-- js

`-- data

|-- Languages.xml Languages Data

`-- MachineTranslation MT Profile Data

Profiles.xml

1. **Server Configuration**

The Dispatcher 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. Set a proper PermGen Space.

In Tomcat 7, modification file is {Server Path}/bin/catalina.bat

And the related server parameter is

set JAVA\_OPTS=%JAVA\_OPTS% -server -XX:PermSize=128M -XX:MaxPermSize=512m

***Appendix:***

1. Maven command:

mvn version

mvn package

mvn clean

**mvn eclipse:eclipse -DdownloadSources**

1. Eclipse project configure file:

