Map Test Service

The Map Test service runs only in concert with the Map Editor to enable you to remotely test a compiled map (.txo file) from a client machine prior to checking the map in to the application server.

The following table provides an overview of the Map Test service:

System Name	MapTestService
Graphical Process Modeler (GPM) categories)	All Services
Description	This service accepts a message containing a compiled map and associated data, runs the data through translation, and returns a translation report and output data to the user.
Business usage	This service is used by the Map Test feature of the Map Editor to allow testing of a map from the client machine without having to check the map into the application.
	Note: Although you can run this service from the client, the actual map is executed on the application server. We recommend testing maps only against Test of Development systems, not against the application production system.
Usage example	A User runs the Map Test feature to remotely test a compiled map (.txo) from a client machine prior to checking the map in to the application server, .to ensure that the map translates data correctly and efficiently, prior to executing the map in a Production environment.
Preconfigured?	Yes
Requires third party files?	None
Platform availability	All supported application platforms.
Related services	SOAP service, HTTP Server adapter, Translation service
Application requirements	None
Initiates business processes?	No
Invocation	Used internally by the application; invoked by the Map Editor Map Test feature on the client.
Business process context considerations	None
Returned status values	Success
	Error
Restrictions	If you have not configured your operating system to specify default programs to open .txt and .xml files, the test result files may not be automatically displayed. If this is the case, however, you can locate and open the files using the file/path location.
Persistence level	System default
Testing considerations	None

How the Map Test Service Works

When you use the Map Test service, the Map Editor takes a compiled map (translation object) and a data file to run with the map, and loads both the translation object and the data file into an XML SOAP message. When the Map Test service runs, it is visible in the application Current Processes interface.

Using HTTP, the Map Test client posts the XML SOAP message to the Map Test service. The Map Test service submits the SOAP message to the SOAP service (inbound or outbound), and the SOAP service disassembles the message and returns the translation object and associated data back to the Map Test service.

Note: You need to enable or start the Map Test service; by default it is disabled.

The Map Test service then submits the translation object and the data to the Translation service, which runs translation using the supplied translation object and data, and returns the output data and a translation report to the Map Test service.

The Map Test service loads the translation report and output data into another XML SOAP message and sends it to the client using the HTTP Server adapter. Then the Map Editor disassembles the SOAP message and presents the user with the translation report (in XML format) and the output translation data. If there is no translation report, the Map Editor returns a file stating that no translation report is available.

Implementing the Map Test Service

Note: You do not need to create a configuration of the Map Test service. However, since the default is for the service to be disabled, you do need to enable it to use the Map Test feature. That is, in the **translator.properties** file the **maptest.MaptestServiceEnabled property** is set to False by default. If you do not set the value to True using the Customer Override feature (explained below), the service will not accept any map test requests.

You can turn off the Map Test service to prevent users who have access to a trading partner's application system from attempting to use the Map Test feature to run translation on that trading partner's system. Turning off the Map Test service prevents the possible execution of JDBC maps which could access production data. The application supports the use of a customer override property file to override property settings in the property files. The customer override property file is not changed during installation of the application upgrades or patches. To prevent having your customized settings overwritten, you should use the customer override property file whenever possible rather than editing the application property files directly.

To enable the Map Test service, complete the following tasks:

Note: If the Map Test service is disabled by the **translator.properties** entry, an error message returned to the client and is presented to the user in a format like the translator report.

1. In the *install_dir*/properties directory, locate (or create, if necessary) the **customer_overrides.properties** file.

2. Open the **customer_overrides.properties** file in a text editor.

3. Add the property you want to override, using the following format:

   ```
   translator.maptest.MaptestServiceEnabled=true
   ```

4. Save and close the **customer_overrides.properties** file.

5. Stop and restart the application to use the new values.

6. Test your changes to ensure that the overrides give the desired results. If you have problems, contact Sterling Commerce Customer Support for assistance.