

# How to Guide Loading Static Data XML Files into Siena

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## Review and Approval

Role	Name	Signature	Date
Author	Oliver Eggert		06/01/2011
Reviewer	Dick Buttler		06/01/2011
Authoriser	Purnima Trasi		06/01/2011

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## Related Documents

N/a

## Definitions of Terms and Abbreviations

Term/Abbreviation	Description

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# 1 Process Coverage

This guide takes the user through the process of configuring the Siena Static Data Importer through to processing import xml files containing data.

## 1.1 Instruction Packages

### Static Data Importer Configuration & Use

[Siena]

1	Siena Configuration Instruction: Configure Siena
2	Siena Services and Handlers Instruction: Starting the Static Data Importer
3	Data Templates Instruction: Templates and validation
4	Static Data Import Processing Instruction: Loading XML and acknowledgements




## 1.2 Cross References



- Templates referred to in this document are sample xml formats that can be adapted for purpose.
- To verify import data formats, the Siena Database Manual should be used.

## 1.3 XML Formatting

In order to validate the XML formatting, the file can be opened using standard xml editors; this should reveal xml syntax issues but will not validate values entered as being correct. XML formatting can also be validated against a dataimport.xsd file; this is described further in instruction3.

## 1.4 Templates

Name	Embedded Object	Instruction
Append Services append.txt	 H:\Siena\Documents\ Manuals\Static Data I	
twist_StaticDataImporter.properties	 H:\Siena\Documents\ Manuals\Static Data I	
Append externalInterface properties.txt	 H:\Siena\Documents\ Manuals\Static Data I	

Standard Templates	 H:\Siena\Documents\ Manuals\Static Data I	
Dataimport.xsd	 H:\Siena\Documents\ Manuals\Static Data I	

## 2 Instruction Packages

1

### Siena Configuration Instruction: Configure Siena.

1. **Purpose:** To define the system configuration needed to run the static data importer where such configuration does not exist already. Note that this instruction needs to be implemented by a technician. The following are required:
  - a. *Configuration of the Static Data Importer in service.properties*
  - b. *twist\_DataImporter.properties*
  - c. *externalInterface.properties*
  - d. *genericTwistPanel.properties*
  - e. *Directory locations for the data\_importer\_in and data\_importer\_out folders*

This configuration should be replicated for each Siena server.

2. *Services.properties*
  - a. Open the "Append Services properties.txt" file and append to the services.properties file in the std/systems/..config directory.
  - b. Update the service number in the appended part to the next available service number.
  - c. Obtain an available port number from your technical resource department and replace the value of 4045 with the new port number. The port number is found in the row beginning "Service15.args..."
  - d. Save the file.
3. *Twist\_DataImporter.properties*
  - a. Copy the twist\_StaticDataImporter.properties file into the std/systems/..config directory.
4. *externalInterface.properties*
  - a. Open the "Append externalInterface properties.txt" file and append to the externalInterface.properties file in the std/systems/..config directory.
  - b. Save the file.
5. *genericTwistPanel.properties*
  - a. Insert "StaticDataImporter" into the remote service list e.g.  
`remoteServiceList=RateExporter,DealExporter,LimitImporter,DealImporter,RMDS,LimitImporter,Deal,RMDS,RateManager,RateImporter,StaticDataImporter,remoteServiceList.DealingInterface=360T,FXall,FIXEngine,Bloomberg`
  - b. Save the file.
6. *Data input and output locations*
  - a. Create two folders in the std/systems/..data directory. These should be called:-
    - i. data\_import\_out
    - ii. data\_import\_in

To verify that the configuration is correct, the service and handler need to be started – see the next section for details.

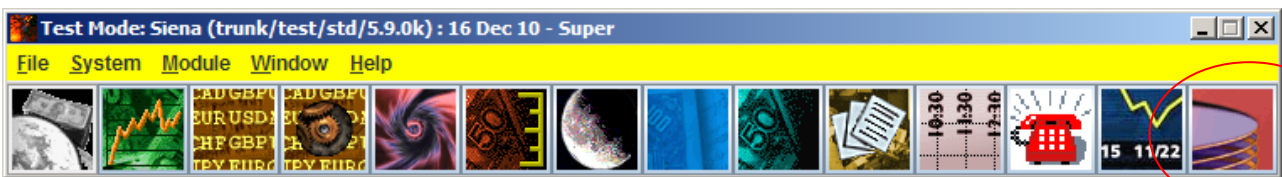
2

## Siena Services and Handlers

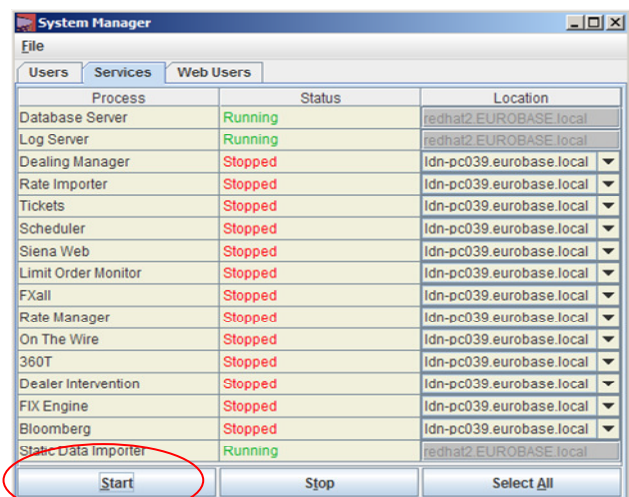
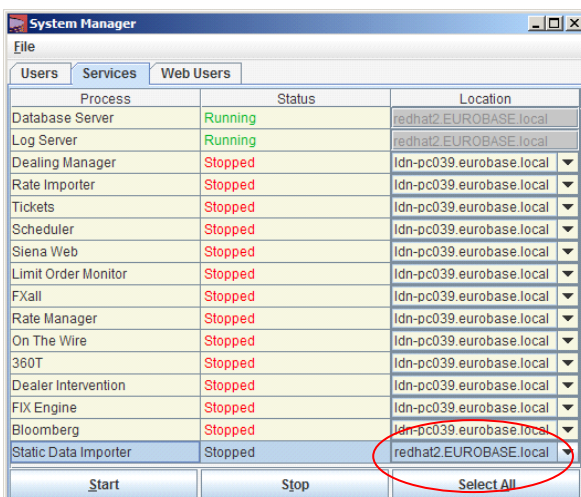
### Instruction: Starting the Static Data Importer

1. **Purpose:** To detail how the Static Data Importer service and Static Data Import Handler are started from the Siena Tool bar.
2. *Starting the Static Data Importer service*

Select the System Manager from the Siena Tool bar [See image below]



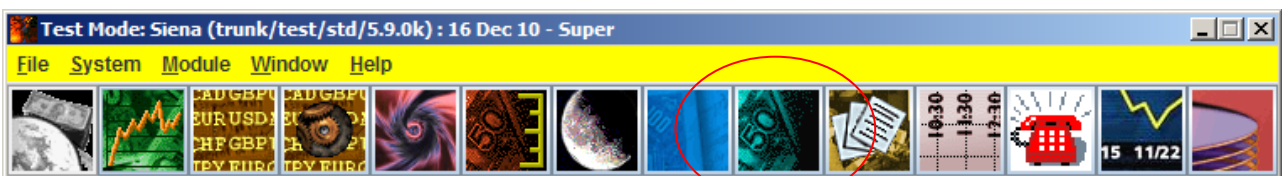
Go the row where the Static Data Importer is defined and select the server on which the service is going to be run. Then hit the Start button to initiate the service. Only once the process has started its status changes to “Running”. [See images below for further guidance]



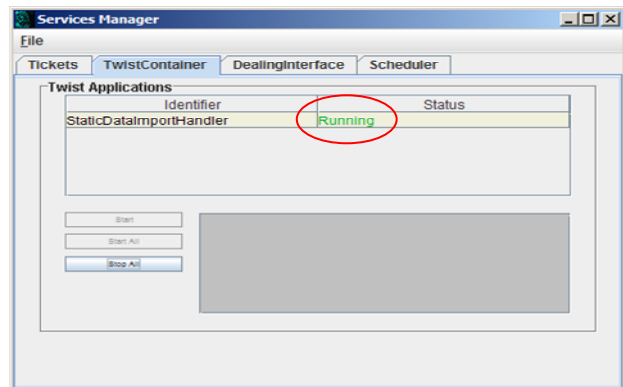
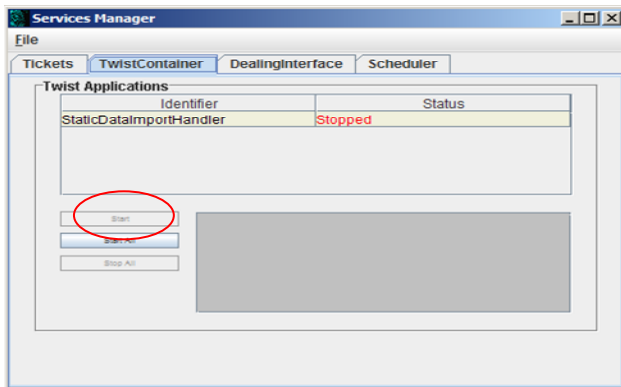
Note if the System Manager appears totally blank, it is very likely that you have made a configuration error in the services.properties file. If the service goes to “Failed” status, you need to check for error log messages in the following log files StaticDataImporter.log, SienaClient.log and dbServer.log (You may be asked by Eurobase Technical support to provide others log files too).

### 3. Starting the Static Data Importer Handler

Once the Static Data Importer is running, select the Services Manager menu item from the Siena Tool bar as indicated in the image below.



Select the TwistContainer tab, and then highlight the row with the label StaticDataImportHandler. Now click on the Start Button to start the handler. Once the handler status is set to “Running”, static data importing can commence.





**3**

**Data Templates**  
**Instruction: Templates and validation**

1. **Purpose:** To extract templates and amend them to define data to be imported.

- a. *Copy Required Template to an interim folder*
- b. *Make changes & Save File*
- c. *Validation against the dataimport.xsd (optional)*

2. *Copy Required Template to a temporary folder*

From the templates select the template from the Standard Templates Zip (Compressed Folder). It is strongly recommended that you copy template XML to an interim temp folder before starting to edit it.

3. *Make changes & Save File*

The template XML is best opened using a standard XML editor to highlight syntax errors. Defining values of fields within the XML requires knowledge of XML. Corresponding field attributes/parameters for each Siena Table are provided in the Siena Database Manual. Once data has been defined in the XML, the file must be saved.

4. *Validation against the dataimport.xsd (Optional)*

If the XML editor being used is supplied with an XSD validation utility, any defined XML can be validated against the *dataimport.xsd*. Note that the attribute fields are not validated by the XSD; they are validated when the record is processed by the importer itself.

Static Data Import Templates available [By Static Data Area]

Table (Template Folder Name)	Primary Functional Usage	Take On & Maintenance
Agreement Dealing Interface	Portal Maintenance	Take On & Maintenance
Agreements	Portal Maintenance	Take On & Maintenance
Amount Band Id	Portal Maintenance	Take On & Maintenance
Amount Bands	Portal Maintenance	Take On & Maintenance
Centre	Firm & Counterparty	Take On & Maintenance
Channel	Portal Maintenance	Take On & Maintenance
Channel Margins	Portal Maintenance	Take On & Maintenance
Counterparty	Firm & Counterparty	Take On & Maintenance
Counterparty + import Id + Firms	Firm & Counterparty	Take On only
Country	General Static Data	Take On & Maintenance
Currency	General Static Data	Take On & Maintenance
Currency Pairs	General Static Data	Take On & Maintenance
Currency Pair Rate	General Static Data	Take On & Maintenance
Dealing Interface	Portal Maintenance	Take On & Maintenance
Firm	Firm & Counterparty	Take On & Maintenance
Holiday Dates	General Static Data	Take On & Maintenance
Mandated User	General Static Data	Take On & Maintenance
Nostro	Front Office	Take On & Maintenance
Nostro Agent	Front Office	Take On & Maintenance

SSI (Full)	Front Office	Take On & Maintenance
Trading Group	Portal Maintenance	Take On & Maintenance
Trading Group Link	Portal Maintenance	Take On & Maintenance

Each Static data area has templates for INSERT, UPDATE & DELETE transactions. Each folder also includes a general *dataimport.xsd* for validating the XML.

4

**Static Data Import Processing**  
**Instruction: Loading XML and acknowledgements**

1. **Purpose:** To process XML definitions through the Static data Importer and verify results through logs. There are three steps to this process:-

- a. *Submitting the Import Data File*
- b. *Auto acknowledging the import*
- c. *Checking the logs for failed imports*

2. *Submitting the Import Data File*

Once data has been defined in XML, you should copy and paste the file (**Not cut and paste because you may need to repeat the import after having corrected the XML**) to the “data\_import\_in” folder defined in package 1 step 6. Provided that both the Static Data service and handler are running, Siena will pick up the file and will attempt apply the change to the Siena database. The file is deleted after it has been processed.

3. *Auto acknowledging the import*

If the data import has been processed successfully, the system will generate an “ACK” (Acknowledgment) XML message. If the data import fails the system will generate a “NAK” XML message. These messages are generated in the “data\_import\_out” folder as defined in package 1 step 6.

4. *Checking the logs for failed imports*

To establish the reason for a NAK transaction, further detail will be supplied in one of three areas:-

- a. The Event log on the Siena Tool bar
- b. In the NAK XML message itself
- c. In the StaticDataImporter.log, located in the std/systems/..logs directory.