

# Composing EDIFACT X12 Messages

After having imported the EDIFACT message definition, you can compose such EDI data by invoking a `<<EDIFACTAdapter>>` or `<<X12Adapter>>` action as shown in the examples below.

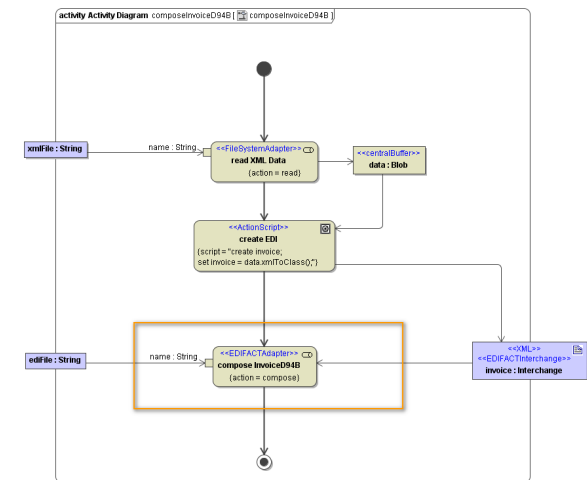
Name	Mandatory	Description	Allowed Values	
action		Specify the action of the adapter: parse or compose.	compose	Compose a file or file blob from a given EDI data structure.
			parse	Parse an EDI file or file blob to an EDI data structure.
alias		Specify an alias that links to an input file defined in the component diagram.	a valid <code>&lt;&lt;FileAlias&gt;&gt;</code>	

### Related Pages:

- [Debugging a UN/EDIFACT Adapter Call](#)

How to debug an adapter call is described on [Debugging a UN/EDIFACT Adapter Call](#).



Figure: Composing UN/EDIFACT Messages



Similar to [Parsing UN/EDIFACT Messages](#), you can use static or dynamic matters to specify the output of the **compose** action:

- Static Composition**  
Specify a `<<FileAlias>>` on the adapter action to define to which file the EDI data will be composed.
- Dynamic Composition**  
Specify the file name with the **name** parameter or receive the composed EDI data in a Blob (**data**).

Name	Type	Direction	Mandatory	Description	Allowed Values	Example
<code>&lt;any&gt;</code>	Any <code>&lt;&lt;EDIFACTInterchange&gt;&gt;</code> or <code>&lt;&lt;X12Interchange&gt;&gt;</code>	in		Provide an object containing the EDI data. The class defining the type of this object should have stereotype <code>&lt;&lt;EDIFACTInterchange&gt;&gt;</code> or <code>&lt;&lt;X12Interchange&gt;&gt;</code> .		
encoding	String	in		Provide the encoding of the EDI data to be composed as specified in the <a href="#">Charset Definitions</a> appendix.	any valid encoding (see <a href="#">Charset Definitions</a> )	UTF-8
					default	ISO-8859-1 (Latin1)
locale	NumberLocale	in		Specify how number values will be treated, when composed to the EDI data (decimal point, currency symbol, ...). You can overwrite the system locales here, if the file was written with divergent locales. Refer to <a href="#">Number Formatting</a> for more information.	default	system locales

<b>name</b>	String	in		<p>Specify a full path to a file, if you want to write the <code>&lt;&lt;EDIFACTInterchange&gt;&gt;</code> or <code>&lt;&lt;X12 Interchange&gt;&gt;</code> object to the file system.</p> <p>Alternatively, you can compose the EDI data to a <b>Blob</b> object (see parameter <b>data</b>) . Note, that the <b>name</b> parameter takes priority over <b>data</b>.</p>	tmp /myFile.txt	
<b>data</b>	Blob	out		<p>If you want to compose the <code>&lt;&lt;EDIFACTInterchange&gt;&gt;</code> or <code>&lt;&lt;X12 Interchange&gt;&gt;</code> object to a <b>Blob</b> object, use this parameter as output of the compose action.</p> <p>Alternatively, you can write the composed EDI data directly to the file system (see parameter <b>name</b>). Note, that the <b>name</b> parameter takes priority over <b>data</b>.</p>		