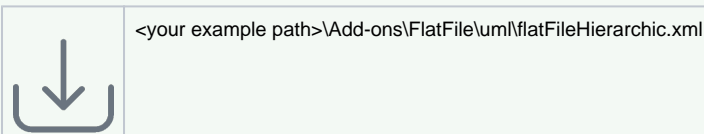


Mapping of Hierarchical Record Structures

This page explains the **Flat File Adapter** in Bridge context. If you were looking for the same information regarding the **PAS Designer**, refer to **Flat File Adapter** in the Designer guide.

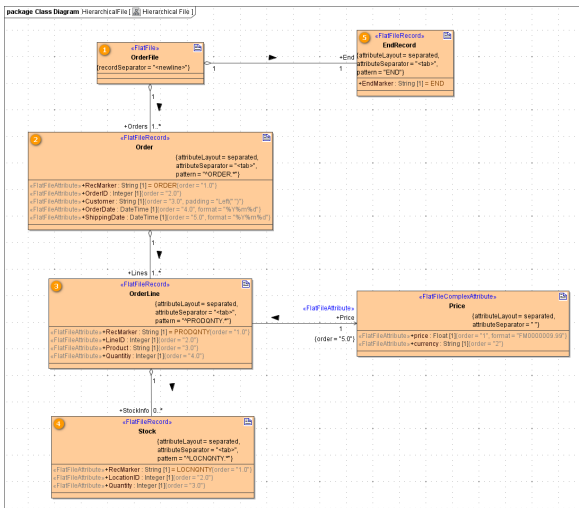
Even flat files can have a hierarchical record structure, means that the file contains different record types. This structure can be directly expressed in class diagrams by associations between **<<FlatFileRecord>>** classes.

Example File (Builder project Add-ons/FlatFiles):



See, for example, an order file class structure for a file containing order, order line and stock data:

Figure: Flat File Hierarchical Record Structures



The flat file parser identifies each **<<FlatFileRecord>>** class by a regular expression found in the tagged value **pattern** . This pattern applies to the complete record (data line of the file). If the classes are placed in a hierarchical order, the flat file records must follow this order to be parsed correctly. If they do not, the parser stops at the first record not matching the expected pattern.

Flat File Record	Pattern	Description
2 Order	^ORDER . *	All record lines starting with ORDER are Order records.
3 OrderLine	^PRODQNTY .	All record lines starting with PRODQNTY are OrderLine records.
4 Stock	^LOCNQNTY . *	All record lines starting with LOCNQNTY are Stock records.
5 EndRecord	END	All records containing END are EndRecords .

An example file for this structure could be the following:

ORDER	1234567	MYER	19990823	19990825		
19990903		4631				
PRODQNTY	1	PRD004	6	25.52	EA	C
I						
LOCNQNTY	204	6				
PRODQNTY	2	PRD001	9	25.52	EA	C
I						
LOCNQNTY	202	4				
LOCNQNTY	204	3				
LOCNQNTY	211	2				
PRODQNTY	3	PRD002	10	127.99	EA	C
I						
LOCNQNTY	202	2				
LOCNQNTY	204	1				
LOCNQNTY	207	3				
LOCNQNTY	211	4				
END						