

## Using Patterns to Separate Attributes

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.

To split flat file record fields, you can also use regex patterns. However, you need deeper knowledge of regex patterns to use this approach.

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



Look at the example flat file below. It contains a list of URLs.

*Figure: Flat File With URLs*

```

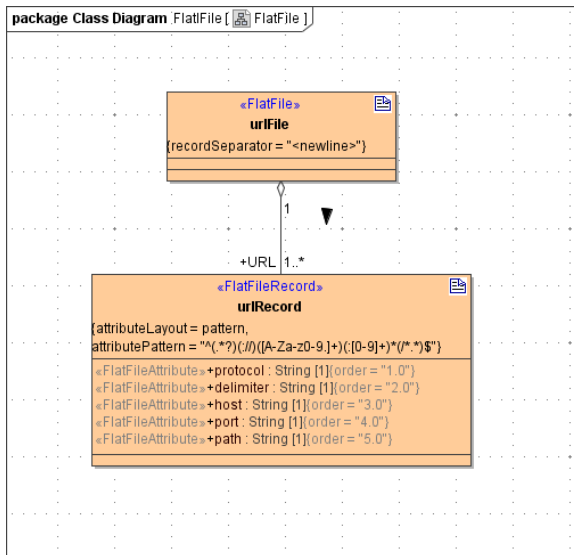
1  http://e2ehridge.com/e2e-bridge/verwendungen/e2e-reisefuer-fuer-map/
2  https://localhost:8080/admin/Console/BridgeServerConfigurations?mode=localhost&group=XXXXExample
3  ftp://ftp.softnrichs.ch/
4  http://www.google.ch/search?source=ig&hl=de&rlz=C1G1G1G_DECH265&sa=e2ehridge&btnG=Google-Suche
5  http://www.bing.com/search?sa=e2ehridge&qo=&form=QBH&fil=all
6  http://localhost:12020/HelloWorldExample?WSID/

```

By specifying an **Attribute Pattern** on the flat file record, you can split the records e.g. into

- protocol
- delimiter
- host
- port
- path

Figure: Class Diagram of a Flat File Using Pattern



The pattern to split the record with is:

$$^{\wedge}(.^*?)(://)([A-Za-z0-9.]+)(:[0-9]+)^*(/*.^*)\$$$

Each group delimited with brackets represents an record field (class attribute).