

Protocols

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As well as being able to service http requests, Cocoon uses protocols to retrieve information from other sources. These include the standard protocols like `http` and `file`, as well as some special "internal" protocols.

"Internal" protocols

- `context://` - get a resource using the servlet context
- `cocoon:/` - get a pipeline from the current sitemap
- `cocoon://` - get a pipeline using the root sitemap
- `resource://` - get a resource from the context classloader

The `cocoon:` protocol supports the `raw:` subprotocol. When the subprotocol is appended, the request parameters of the original request are not forwarded to the internal pipelines.

The standard Java protocols

- `http:` - get a resource from a web server
- `ftp:` - get a resource from an ftp server
- `file:` - get a resource from a file server
- `jar:` - get a resource from inside a jar or zip file. [JarProtocolExample](#)

See [Aggregator](#) for more examples of how these can be used.

NOTE: It's possible to combine protocols and archives in one URI. For example, to get an jar archive via HTTP and to read the zipped picture "mypic.gif", located in "/mydata/pictures", you have to use an URI like this:

```
http://localhost/mypictures.jar!/mydata/pictures/mypic.gif
```

It's important to use the `!` after "mypictures.jar" to divide the path of the picture in the jar from the jar itself.