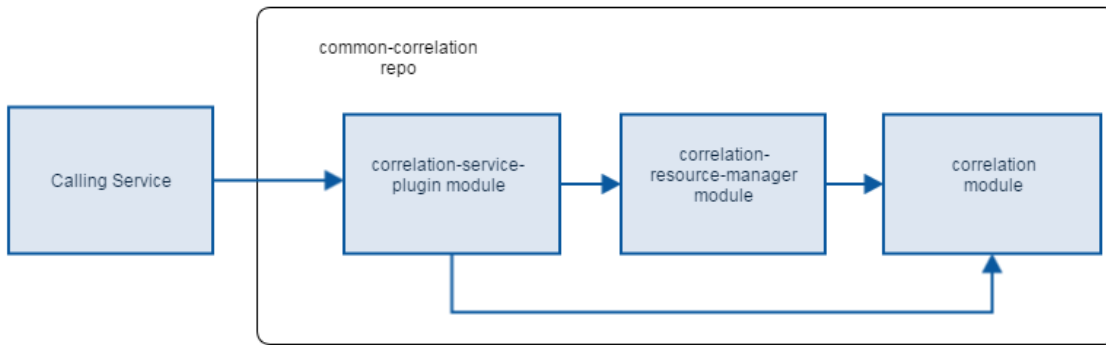


Common Correlation



Functionality offered by Common Correlation

Registering the common correlation plugin to your service ensures that

- correlation ids from incoming HTTP requests are saved to a common [sfl4 MDC](#).
- correlation ids are forwarded on in subsequent HTTP responses.

This is achieved through filter classes defined in the correlation module that intercept HTTP requests and responses.

The actual getting and setting of correlation id's is achieved through the correlation-resource-manager module. Other services (common or otherwise) that need to get/set the correlation id must use this resource manager. A standalone correlation-resource-manager can be added as a dependency to a service if required.

Integrating correlation-service-plugin into your service

This will be automatically integrated into services built from the archetype from archetype version 1.1.0 onwards.

To manually integrate the correlation-service-plugin:

1. Add the plug-in dependency to your service's pom

```
<dependency>
<groupId>net.weareact</groupId>
<artifactId>correlation-service-plugin</artifactId>
<version>${correlation.version}</version>
</dependency>
```

2. Register the correlation plugin in your service's application class.

```
new CorrelationServicePlugin().register( environment, configuration );
```

Logging correlation ids

The resource manager uses an [sfl4 MDC](#) to store the correlation id. This means that correlation ids can be added to logging by specifying `[correlation-id:%X{CORRELATION_ID}]` in your service's appender log format, specified in its yml config file, e.g.:

```
appenders:  
- type: console  
threshold: TRACE  
timeZone: UTC  
target: stdout  
logFormat: "%d [%thread] [correlation-id:%X{CORRELATION_ID}] %-5level %logger{36} -  
%msg %n"
```