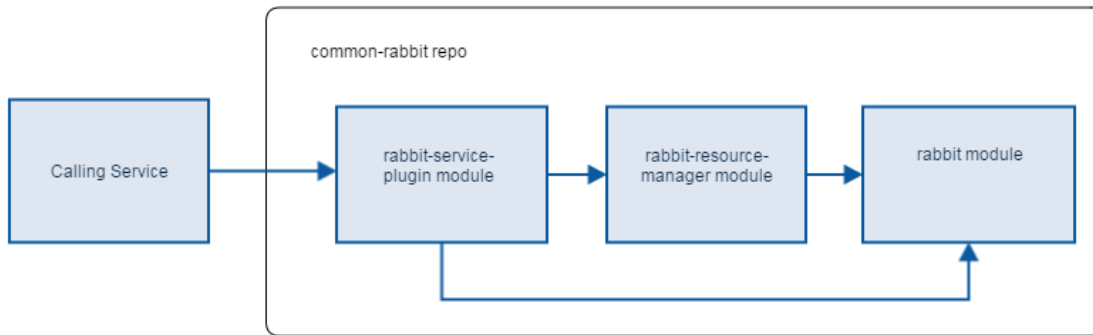


Common Rabbit



Functionality offered by Common Rabbit

Common Rabbit enables services to publish and handle rabbit notifications in a standard way. As such it will be required for:

- Services that consume notifications e.g. from Timer services
- Services that publish notifications e.g. to publish Audit records to the audit service.

Registering the common rabbit plugin to your service ensures that:

1. Your service has access to a Rabbit Message Consumer.

This is provided by a Message Consumer Factory that is initialised when the plug in is registered.

2. Your service has access to a Rabbit Message Producer.

This is provided by a Message Producer Factory that is initialised when the plug in is registered.

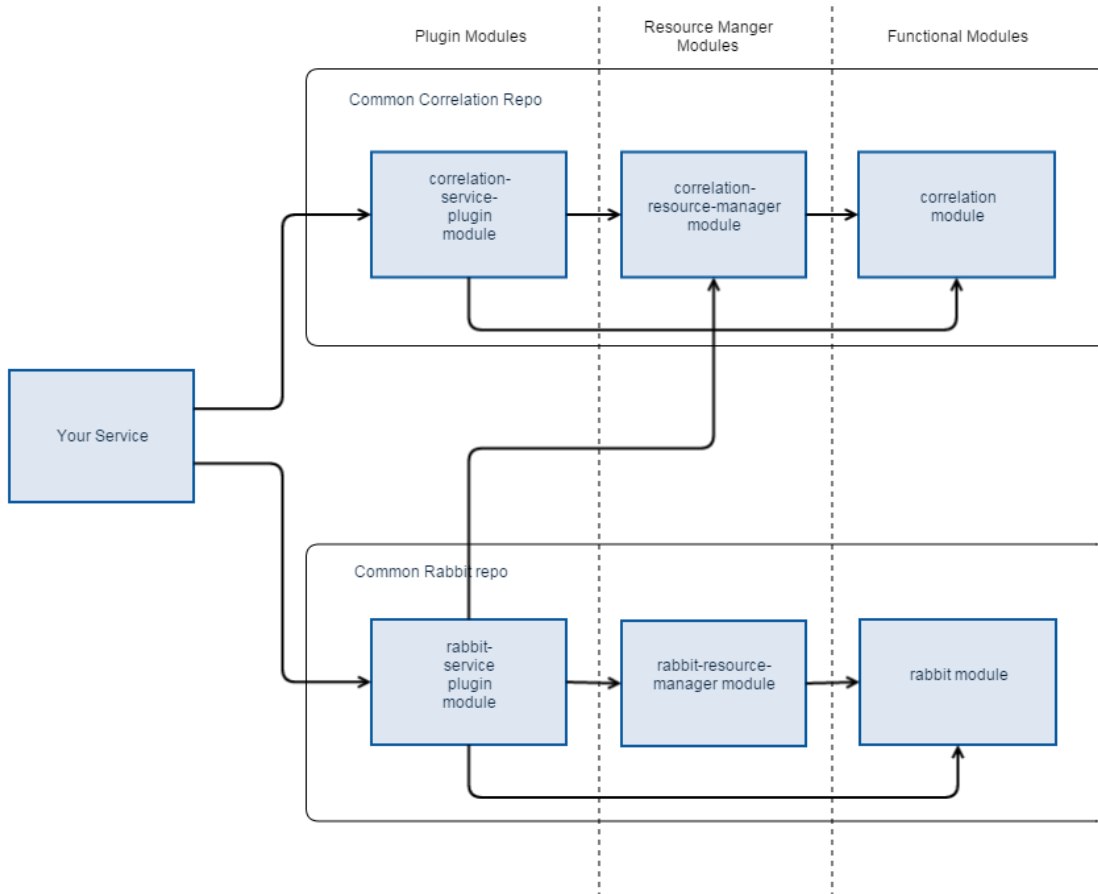
3. Correlation ids on incoming rabbit messages are saved to the common MDC.

This is performed by a deserialiser in the Message Consumer that takes the correlation id from the notification (or generates a new one if not present) and then uses common correlation to store it.

4. Every rabbit message published will have a correlation id.

This is performed by a serialiser in the Message Notifier that takes the correlation id from the MDC and appends it to the Notification before publishing.

The dependencies between the common-rabbit and common-correlation repos for a typical service are illustrated here:



Integrating rabbit-service-plugin into your service

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

To manually integrate the rabbit-service-plugin:

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

```

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

```

2. Register the rabbit plugin in your service's application class, following the registration of the CorrelationServicePlugin:

```

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

```

3. To get a notifier (e.g. for Auditing):

```

final MessageNotifier messageNotifier = RabbitManager.getMessageNotifier(
configuration.getRabbitMq() );

```

4. To get a consumer:

```
final MessageConsumer<RabbitMqNotification> messageConsumer =  
RabbitManager.getMessageConsumer(  
    configuration.getRabbitmq(),  
    messageHandler );
```