

Correlation Identifier

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Camel supports the [Correlation Identifier](#) from the [EIP patterns](#) by getting or setting a header on a [Message](#).

When working with the [ActiveMQ](#) or [JMS](#) components the correlation identifier header is called **JMSCorrelationID**. You can add your own correlation identifier to any message exchange to help correlate messages together to a single conversation (or business process).

The use of a Correlation Identifier is key to working with the [Camel Business Activity Monitoring Framework](#) and can also be highly useful when testing with simulation or canned data such as with the [Mock testing framework](#)

Some [EIP patterns](#) will spin off a sub message, and in those cases, Camel will add a correlation id on the [Exchange](#) as a property with the key `Exchange.CORRELATION_ID`, which links back to the source [Exchange](#). For example the [Splitter](#), [Multicast](#), [Recipient List](#), and [Wire Tap](#) EIP does this.

The following example demonstrates using the Camel `JMSMessageID` as the Correlation Identifier within a request/reply pattern in the [JMS](#) component

Using the [Fluent Builders](#)

```
from("direct:start")
    .to(ExchangePattern.InOut, "jms:queue:foo?useMessageIDAsCorrelationID=true")
    .to("mock:result");
```

Using the [Spring XML Extensions](#)

```
<route>
  <from uri="direct:start"/>
  <to uri="jms:queue:foo?useMessageIDAsCorrelationID=true" pattern="InOut"/>
  <to uri="mock:result"/>
</route>
```

See Also

- [BAM](#)