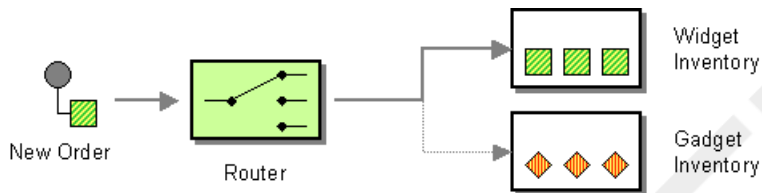# Content-Based Router

Overview

A *content-based router* enables you to route messages to the appropriate destination, where the routing decision is based on the message contents.

Figure 15. Content-Based Router Pattern

Java DSL example

The following example shows how to route a request from an input `queue:a` endpoint to either `queue:b`, `queue:c` or `queue:d` depending on the evaluation of various predicate expressions:

```
RouteBuilder builder = new RouteBuilder() {
    public void configure() {
        from("seda:a").choice().when(head
er("foo").isEqualTo("bar")).to("seda:b")
            .when(head
er("foo").isEqualTo("cheese")).to("seda:c").other
wise().to("seda:d");
    }
};
```

XML configuration example

The following example shows how to configure the same route in XML:

```
<camelContext id="buildSimpleRouteWithChoice" xmlns="http://act
ivemq.apache.org/camel/schema/spring">
  <route>
    <from uri="seda:a"/>
    <choice>
      <when>
        <simple>header.foo = 'bar'</simple>
        <to uri="seda:b"/>
      </when>
      <when>
        <simple>header.foo = 'cheese'</simple>
        <to uri="seda:c"/>
```

```
      </when>
      <otherwise>
        <to uri="seda:d"/>
      </otherwise>
    </choice>
  </route>
</camelContext>
```