

Throttler

Overview

A *throttler* is a processor that limits the flow rate of incoming messages. You can use this pattern to protect a target endpoint from getting overloaded. In Mediation Router, you can implement the throttler pattern using the `throttler()` Java DSL command.

Java DSL example

To limit the flow rate to 100 messages per second, define a route as follows:

```
from("seda:a").throttler(100).to("seda:b");
```

If necessary, you can customize the time period that governs the flow rate using the `timePeriodMillis()` DSL command. For example, to limit the flow rate to 3 messages per 30000 milliseconds, define a route as follows:

```
from("seda:a").throttler(3).timePeriodMil  
lis(30000).to("mock:result");
```

XML configuration example

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

```
<camelContext id="throttlerRoute" xmlns="http://act  
ivemq.apache.org/camel/schema/spring">  
  <route>  
    <from uri="seda:a"/>  
    <throttler maximumRequestsPerPeriod="3" timePeriodMil  
lis="30000">  
      <to uri="mock:result"/>  
    </throttler>  
  </route>  
</camelContext>
```