

# Jing

## Jing Component

The Jing component uses the [Jing Library](#) to perform XML validation of the message body using either

- [RelaxNG XML Syntax](#)
- [RelaxNG Compact Syntax](#)

Maven users will need to add the following dependency to their `pom.xml` for this component:

```
<dependency>
  <groupId>org.apache.camel</groupId>
  <artifactId>camel-jing</artifactId>
  <version>x.x.x</version>
  <!-- use the same version as your Camel core version -->
</dependency>
```

Note that the [MSV](#) component can also support RelaxNG XML syntax.

## URI format Camel 2.15 or older

```
rng:someLocalOrRemoteResource
rnc:someLocalOrRemoteResource
```

Where **rng** means use the [RelaxNG XML Syntax](#) whereas **rnc** means use [RelaxNG Compact Syntax](#). The following examples show possible URI values

Example	Description
<code>rng:foo/bar.rng</code>	References the XML file <b>foo/bar.rng</b> on the classpath
<code>rnc: <a href="http://foo.com/bar.rnc">http://foo.com/bar.rnc</a></code>	References the RelaxNG Compact Syntax file from the URL, <a href="http://foo.com/bar.rnc">http://foo.com/bar.rnc</a>

You can append query options to the URI in the following format, `?option=value&option=value&...`

## URI format Camel 2.16

```
jing:someLocalOrRemoteResource
```

From Camel 2.16 the component use `jing` as name, and you can use the option `compactSyntax` to turn on either RNG or RNC mode.

## Options

Option	Default	Description
<code>compactSyntax</code>	<code>false</code>	Whether to validate using RelaxNG compact syntax or not.

## Example

The following [example](#) shows how to configure a route from the endpoint **direct:start** which then goes to one of two endpoints, either **mock:valid** or **mock:invalid** based on whether or not the XML matches the given [RelaxNG Compact Syntax](#) schema (which is supplied on the classpath).



## See Also

- [Configuring Camel](#)
- [Component](#)
- [Endpoint](#)
- [Getting Started](#)