

RMI

RMI Component

The **rmi**: component binds [Exchanges](#) to the RMI protocol (JRMP).

Since this binding is just using RMI, normal RMI rules still apply regarding what methods can be invoked. This component supports only Exchanges that carry a method invocation from an interface that extends the [Remote](#) interface. All parameters in the method should be either [Serializable](#) or `Remote` objects.

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

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

URI format

```
rmi://rmi-registry-host:rmi-registry-port/registry-path[?options]
```

For example:

```
rmi://localhost:1099/path/to/service
```

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

Options

Name	Default Value	Description
method	null	You can set the name of the method to invoke.
remoteInterfaces	null	Its now possible to use this option from Camel 2.7 : in the XML DSL. It can be a list of interface names separated by comma.

Using

To call out to an existing RMI service registered in an RMI registry, create a route similar to the following:

```
from("pojo:foo").to("rmi://localhost:1099/foo");
```

To bind an existing camel processor or service in an RMI registry, define an RMI endpoint as follows:

```
RmiEndpoint endpoint= (RmiEndpoint) endpoint("rmi://localhost:1099/bar");
endpoint.setRemoteInterfaces(ISay.class);
from(endpoint).to("pojo:bar");
```

Note that when binding an RMI consumer endpoint, you must specify the `Remote` interfaces exposed.

In XML DSL you can do as follows from **Camel 2.7** onwards:

```
<camel:route>
  <from uri="rmi://localhost:37541/helloServiceBean?remoteInterfaces=org.apache.camel.example.osgi.
HelloService"/>
  <to uri="bean:helloServiceBean"/>
</camel:route>
```

See Also

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