

# Python

## Python

Camel supports [Python](#) among other [Scripting Languages](#) to allow an [Expression](#) or [Predicate](#) to be used in the [DSL](#) or [Xml Configuration](#).

To use a Python expression use the following Java code

```
... python("somePythonExpression") ...
```

For example you could use the **python** function to create an [Predicate](#) in a [Message Filter](#) or as an [Expression](#) for a [Recipient List](#)

## Example

In the sample below we use Python to create a [Predicate](#) use in the route path, to route exchanges from admin users to a special queue.

```
from("direct:start")
    .choice()
        .when().python("request.headers['user'] == 'admin'").to("seda:adminQueue")
        .otherwise()
            .to("seda:regularQueue");
```

And a Spring DSL sample as well:

```
<route>
  <from uri="direct:start"/>
  <choice>
    <when>
      <python>request.headers['user'] == 'admin'</python>
      <to uri="seda:adminQueue"/>
    </when>
    <otherwise>
      <to uri="seda:regularQueue"/>
    </otherwise>
  </choice>
</route>
```

**Error rendering macro 'include'**

org.owasp.validator.html.ScanException: java.util.EmptyStackException