

# Web Service: RfemApplication

## Web Service: RfemApplication

Target Namespace: <http://www.dlupal.com>

Port ***RfemApplicationPort*** [Port type](#) [Source code](#)

Location: <http://localhost:8081>

Protocol: SOAP

Default style: document

Transport protocol: SOAP over HTTP

Operations:

1. [close\\_application](#) [Detail](#) [Source code](#)
2. [close\\_model](#) [Detail](#) [Source code](#)
3. [get\\_active\\_model](#) [Detail](#) [Source code](#)
4. [get\\_information](#) [Detail](#) [Source code](#)
5. [get\\_model](#) [Detail](#) [Source code](#)
6. [get\\_model\\_list](#) [Detail](#) [Source code](#)
7. [new\\_model](#) [Detail](#) [Source code](#)
8. [open\\_model](#) [Detail](#) [Source code](#)

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## Operations

Port type ***IRfemApplication*** [Source code](#)

### 1. close\_application

[Source code](#)

**Operation type:** Request-response. The endpoint receives a message, and sends a correlated message.

**SOAP action:** [http://localhost:8081/close\\_application](http://localhost:8081/close_application)

**Input:** close\_application\_request (soap:body, use = literal) [Source code](#)

parameters type [close\\_application](#)

**Output:** close\_application\_response (soap:body, use = literal) [Source code](#)

parameters type [close\\_applicationResponse](#)

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### 2. close\_model

[Source code](#)

**Operation type:** Request-response. The endpoint receives a message, and sends a correlated message.

**SOAP action:** [http://localhost:8081/close\\_model](http://localhost:8081/close_model)

**Input:** close\_model\_request (soap:body, use = literal) [Source code](#)

parameters type [close\\_model](#)

- index type [int](#)
- save\_changes type [boolean](#)

**Output:** close\_model\_response (soap:body, use = literal) [Source code](#)

parameters type [close\\_modelResponse](#)

### 3. get\_active\_model

[Source code](#)

**Operation type:** *Request-response*. The endpoint receives a message, and sends a correlated message.

**SOAP action:** http://localhost:8081/get\_active\_model

**Input:** get\_active\_model\_request (soap:body, use = literal) [Source code](#)

parameters type [get\\_active\\_model](#)

**Output:** get\_active\_model\_response (soap:body, use = literal) [Source code](#)

parameters type [get\\_active\\_modelResponse](#)

- value type [string](#)

### 4. get\_information

[Source code](#)

**Operation type:** *Request-response*. The endpoint receives a message, and sends a correlated message.

**SOAP action:** http://localhost:8081/get\_information

**Input:** get\_information\_request (soap:body, use = literal) [Source code](#)

parameters type [get\\_information](#)

**Output:** get\_information\_response (soap:body, use = literal) [Source code](#)

parameters type [get\\_informationResponse](#)

- value type [application\\_information](#)
  - name type [string](#)
  - type type [application\\_types](#) - type *undefined* with restriction - enum { 'DLUBAL\_CENTER', 'REPORT\_VIEWER', 'RFEM6', 'RSECTION', 'RSTAB9', 'WEB\_SECTIONS' }
  - version type [string](#)
  - language\_name type [string](#)
  - language\_id type [string](#)

### 5. get\_model

[Source code](#)

**Operation type:** *Request-response*. The endpoint receives a message, and sends a correlated message.

**SOAP action:** http://localhost:8081/get\_model

**Input:** get\_model\_request (soap:body, use = literal) [Source code](#)

parameters type [get\\_model](#)

- index type [int](#)

**Output:** get\_model\_response (soap:body, use = literal) [Source code](#)

parameters type [get\\_modelResponse](#)

- value type [string](#)

### 6. get\_model\_list

[Source code](#)

**Operation type:** *Request-response*. The endpoint receives a message, and sends a correlated message.

**SOAP action:** http://localhost:8081/get\_model\_list

**Input:** get\_model\_list\_request (soap:body, use = literal) [Source code](#)

parameters type *get\_model\_list*

**Output:** get\_model\_list\_response (soap:body, use = literal) [Source code](#)

parameters type *get\_model\_listResponse*

- value type *array\_of\_model\_names*
- name - optional, unbounded; type *string*

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## 7. new\_model

[Source code](#)

**Operation type:** *Request-response*. The endpoint receives a message, and sends a correlated message.

**SOAP action:** http://localhost:8081/new\_model

**Input:** new\_model\_request (soap:body, use = literal) [Source code](#)

parameters type *new\_model*

- model\_name type *string*

**Output:** new\_model\_response (soap:body, use = literal) [Source code](#)

parameters type *new\_modelResponse*

- value type *string*

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## 8. open\_model

[Source code](#)

**Operation type:** *Request-response*. The endpoint receives a message, and sends a correlated message.

**SOAP action:** http://localhost:8081/open\_model

**Input:** open\_model\_request (soap:body, use = literal) [Source code](#)

parameters type *open\_model*

- model\_path type *string*

**Output:** open\_model\_response (soap:body, use = literal) [Source code](#)

parameters type *open\_modelResponse*

- value type *string*

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## WSDL source code

```
<?xml version="1.0"?>
<definitions name="RfemApplication" targetNamespace="http://www.dlupal.com"
  xmlns:tns="http://www.dlupal.com"
  xmlns:xsd="http://www.dlupal.com/rfem.xsd"
  xmlns="http://schemas.xmlsoap.org/wsdl/"
  xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  >
  <types>
    <schema targetNamespace="http://www.dlupal.com/rfem.xsd"
      xmlns="http://www.w3.org/2001/XMLSchema"
      >
```

```
>
<complexType name="close_application">
  <sequence/>
</complexType>
<element name="close_application" type="xsd:close_application"/>
<complexType name="close_applicationResponse">
  <sequence/>
</complexType>
<element name="close_applicationResponse" type="xsd:close_applicationResponse"/>
<complexType name="close_model">
  <sequence>
    <element name="index" type="int"/>
    <element name="save_changes" type="boolean"/>
  </sequence>
</complexType>
<element name="close_model" type="xsd:close_model"/>
<complexType name="close_modelResponse">
  <sequence/>
</complexType>
<element name="close_modelResponse" type="xsd:close_modelResponse"/>
<complexType name="get_active_model">
  <sequence/>
</complexType>
<element name="get active model" type="xsd:get active model"/>
<complexType name="get_active_modelResponse">
  <sequence>
    <element name="value" type="string"/>
  </sequence>
</complexType>
<element name="get active modelResponse" type="xsd:get active modelResponse"/>
<complexType name="array_of_model_names">
  <sequence>
    <element name="name" type="string" minOccurs="0"
      maxOccurs="unbounded"/>
  </sequence>
</complexType>
<element name="array_of_model_names" type="xsd:array_of_model_names"/>
<complexType name="get_model_list">
  <sequence/>
</complexType>
<element name="get_model_list" type="xsd:get_model_list"/>
<complexType name="get_model_listResponse">
  <sequence>
    <element name="value" type="xsd:array_of_model_names"/>
  </sequence>
</complexType>
<element name="get_model_listResponse" type="xsd:get_model_listResponse"/>
<complexType name="get_model">
  <sequence>
    <element name="index" type="int"/>
  </sequence>
</complexType>
```

```
<element name="get_model" type="xsd:get_model"/>
<complexType name="get_modelResponse">
  <sequence>
    <element name="value" type="string"/>
  </sequence>
</complexType>
<element name="get_modelResponse" type="xsd:get_modelResponse"/>
<complexType name="new_model">
  <sequence>
    <element name="model_name" type="string"/>
  </sequence>
</complexType>
<element name="new_model" type="xsd:new_model"/>
<complexType name="new_modelResponse">
  <sequence>
    <element name="value" type="string"/>
  </sequence>
</complexType>
<element name="new_modelResponse" type="xsd:new_modelResponse"/>
<complexType name="open_model">
  <sequence>
    <element name="model_path" type="string"/>
  </sequence>
</complexType>
<element name="open_model" type="xsd:open_model"/>
<complexType name="open_modelResponse">
  <sequence>
    <element name="value" type="string"/>
  </sequence>
</complexType>
<element name="open_modelResponse" type="xsd:open_modelResponse"/>
<simpleType name="application_types">
  <restriction base="string">
    <enumeration value="DLUBAL_CENTER"/>
    <enumeration value="REPORT_VIEWER"/>
    <enumeration value="RFEM6"/>
    <enumeration value="RSECTION"/>
    <enumeration value="RSTAB9"/>
    <enumeration value="WEB_SECTIONS"/>
  </restriction>
</simpleType>
<complexType name="application_information">
  <sequence>
    <element name="name" type="string"/>
    <element name="type" type="xsd:application_types"/>
    <element name="version" type="string"/>
    <element name="language_name" type="string"/>
    <element name="language_id" type="string"/>
  </sequence>
</complexType>
<complexType name="get_information">
```

```
</sequence/>
</complexType>
<element name="get_information" type="xsd:get_information"/>
<complexType name="get_informationResponse">
  <sequence>
    <element name="value" type="xsd:application_information"/>
  </sequence>
</complexType>
<element name="get_informationResponse" type="xsd:get_informationResponse"/>
</schema>
</types>
<message name="open_model_request">
  <part name="parameters" element="xsd:open_model"/>
</message>
<message name="open_model_response">
  <part name="parameters" element="xsd:open_modelResponse"/>
</message>
<message name="close_model_request">
  <part name="parameters" element="xsd:close_model"/>
</message>
<message name="close_model_response">
  <part name="parameters" element="xsd:close_modelResponse"/>
</message>
<message name="get_active_model_request">
  <part name="parameters" element="xsd:get_active_model"/>
</message>
<message name="get_active_model_response">
  <part name="parameters" element="xsd:get_active_modelResponse"/>
</message>
<message name="get_model_request">
  <part name="parameters" element="xsd:get_model"/>
</message>
<message name="get_model_response">
  <part name="parameters" element="xsd:get_modelResponse"/>
</message>
<message name="get_model_list_request">
  <part name="parameters" element="xsd:get_model_list"/>
</message>
<message name="get_model_list_response">
  <part name="parameters" element="xsd:get_model_listResponse"/>
</message>
<message name="get_information_request">
  <part name="parameters" element="xsd:get_information"/>
</message>
<message name="get_information_response">
  <part name="parameters" element="xsd:get_informationResponse"/>
</message>
<message name="new_model_request">
  <part name="parameters" element="xsd:new_model"/>
</message>
<message name="new_model_response">
  <part name="parameters" element="xsd:new_modelResponse"/>
</message>
```

```
</message>
<message name="close_application_request">
  <part name="parameters" element="xsd:close_application"/>
</message>
<message name="close_application_response">
  <part name="parameters" element="xsd:close_applicationResponse"/>
</message>
<portType name="IRfemApplication">
  <operation name="open_model">
    <input message="tns:open_model_request"/>
    <output message="tns:open_model_response"/>
  </operation>
  <operation name="close_model">
    <input message="tns:close_model_request"/>
    <output message="tns:close_model_response"/>
  </operation>
  <operation name="get_active_model">
    <input message="tns:get_active_model_request"/>
    <output message="tns:get_active_model_response"/>
  </operation>
  <operation name="get_model">
    <input message="tns:get_model_request"/>
    <output message="tns:get_model_response"/>
  </operation>
  <operation name="get_model_list">
    <input message="tns:get_model_list_request"/>
    <output message="tns:get_model_list_response"/>
  </operation>
  <operation name="get_information">
    <input message="tns:get_information_request"/>
    <output message="tns:get_information_response"/>
  </operation>
  <operation name="new_model">
    <input message="tns:new_model_request"/>
    <output message="tns:new_model_response"/>
  </operation>
  <operation name="close_application">
    <input message="tns:close_application_request"/>
    <output message="tns:close_application_response"/>
  </operation>
</portType>
<binding name="RfemApplicationBinding" type="tns:IRfemApplication">
  <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <operation name="open_model">
    <soap:operation soapAction="http://localhost:8081/open_model"/>
    <input>
      <soap:body use="literal"/>
    </input>
    <output>
      <soap:body use="literal"/>
    </output>
  </operation>
</binding>
</service>
```

```
</operation>
<operation name="close_model">
  <soap:operation soapAction="http://localhost:8081/close_model"/>
  <input>
    <soap:body use="literal"/>
  </input>
  <output>
    <soap:body use="literal"/>
  </output>
</operation>
<operation name="get_active_model">
  <soap:operation soapAction="http://localhost:8081/get_active_model"/>
  <input>
    <soap:body use="literal"/>
  </input>
  <output>
    <soap:body use="literal"/>
  </output>
</operation>
<operation name="get_model">
  <soap:operation soapAction="http://localhost:8081/get_model"/>
  <input>
    <soap:body use="literal"/>
  </input>
  <output>
    <soap:body use="literal"/>
  </output>
</operation>
<operation name="get_model_list">
  <soap:operation soapAction="http://localhost:8081/get_model_list"/>
  <input>
    <soap:body use="literal"/>
  </input>
  <output>
    <soap:body use="literal"/>
  </output>
</operation>
<operation name="get_information">
  <soap:operation soapAction="http://localhost:8081/get_information"/>
  <input>
    <soap:body use="literal"/>
  </input>
  <output>
    <soap:body use="literal"/>
  </output>
</operation>
<operation name="new_model">
  <soap:operation soapAction="http://localhost:8081/new_model"/>
  <input>
    <soap:body use="literal"/>
  </input>
  <output>
```



```
<soap:body use="literal"/>
</output>
</operation>
<operation name="close_application">
  <soap:operation soapAction="http://localhost:8081/close_application"/>
  <input>
    <soap:body use="literal"/>
  </input>
  <output>
    <soap:body use="literal"/>
  </output>
</operation>
</binding>
<service name="RfemApplication">
  <port name="RfemApplicationPort" binding="tns:RfemApplicationBinding">
    <soap:address location="http://localhost:8081"/>
  </port>
</service>
</definitions>
```

---

## About *wSDL-viewer.xsl*

This page has been generated by `wSDL-viewer.xsl`, version 3.1.02

Author: [tomi vanek](#)

Download at <http://tomi.vanek.sk/xml/wSDL-viewer.xsl>.

The transformation was inspired by the article

Uche Ogbuji: [WSDL processing with XSLT](#)

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XSLT engine. The engine  
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