Web Service: VishnuIMSService - Generated by wsdl-viewer.x

Table of Contents

Web Service: VishnuIMSService

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Target Namespace:
urn:ResourceProxy
Port VishnuIMSPort Port typeSource code

Location:
http://127.0.0.1:8080/ResourceProxy/VishnuIMS
Protocol:
SOAP
Default style:
document
Transport protocol:
SOAP over HTTP
Operations:

1. *exportCommands*_{Detail}Source code
2. *getMetricCurrentValue*_{Detail}Source code
3. *getMetricHistory*_{Detail}Source code
4. *getSystemInfo*_{Detail}Source code
5. *getUpdateFrequency*_{Detail}Source code

Operations

Port type VishnuIMSPortTypeSource code

1. ## exportCommands
   Source code
   Description:
   exports all the commands made by a user during a session
   Operation type:
   Request-response. The endpoint receives a message, and sends a correlated message.
   Input:
   exportCommandsInput (soapbind:body, use = literal)Source code
   parameters type *exportCommandsRequest*
   - ◆ sessionKey type *string*
     The session key
   - ◆ oldSessionId type *string*
     The id of the session to export (session has ended)
   - ◆ exportType - optional; type *ExportType* - type *string* with restriction - enum { 'UNDEFINED', 'SHELL' }
     The type to export

Output:

exportCommandsOutput (soapbind:body, use = literal)<u>Source code</u>

parameters type *exportCommandsResponse*

Fault:

DBERRMessage (documentation, use = literal)<u>Source code</u>

fault type *DBERRFault*

Fault:

INVALID_PARAMETERMessage (documentation, use = literal)<u>Source code</u>

fault type *INVALID_PARAMETERFault*

Fault:

UNDEFINEDMessage (documentation, use = literal)<u>Source code</u>

fault type *UNDEFINEDFault*

Fault:

SESSIONKEY_EXPIREDMessage (documentation, use = literal)<u>Source code</u>

fault type *SESSIONKEY_EXPIREDFault*

Fault:

SESSIONKEY_NOT_FOUNDMessage (documentation, use = literal)<u>Source code</u>

fault type *SESSIONKEY_NOT_FOUNDFault*

2. **getMetricCurrentValue**

<u>Source code</u>

Description:

displays the current values of system metrics

Operation type:

Request-response. The endpoint receives a message, and sends a correlated message.

Input:

getMetricCurrentValueInput (soapbind:body, use = literal)<u>Source code</u>

parameters type *getMetricCurrentValueRequest*

- ♦ sessionKey type *string*

  The session key
- ♦ machineId type *string*

  The id of the machine
- ♦ metricType type *MetricType* - type *string* with restriction - enum { 'UNDEFINED', 'CPUUSE', 'FREEDISKSPACE', 'FREEMEMORY' }

  The type of the metric

Output:

getMetricCurrentValueOutput (soapbind:body, use = literal)<u>Source code</u>

parameters type *getMetricCurrentValueResponse*

- ♦ data - optional;

  - ♦ metric - optional, unbounded, nillable;

    - • type - optional; type *MetricType* - type *string* with restriction - enum { 'UNDEFINED', 'CPUUSE', 'FREEDISKSPACE', 'FREEMEMORY' }

      The type of the metric
    - • value - optional; type *long*

      The value of the metric
    - • time - optional; type *long*

      The timestamp the metric had the value

Fault:

DBERRMessage (documentation, use = literal)<u>Source code</u>

fault type *DBERRFault*

Fault:

INVALID_PARAMETERMessage (documentation, use = literal)<u>Source code</u>
fault type *INVALID_PARAMETERFault*
Fault:
SESSIONKEY_EXPIREDMessage (documentation, use = literal)<u>Source code</u>
fault type *SESSIONKEY_EXPIREDFault*
Fault:
SESSIONKEY_NOT_FOUNDMessage (documentation, use = literal)<u>Source code</u>
fault type *SESSIONKEY_NOT_FOUNDFault*
Fault:
UNDEFINEDMessage (documentation, use = literal)<u>Source code</u>
fault type *UNDEFINEDFault*

3. **getMetricHistory**

<u>Source code</u>
Description:
displays the history of values of a system metric
Operation type:
Request-response. The endpoint receives a message, and sends a correlated message.
Input:
getMetricHistoryInput (soapbind:body, use = literal)<u>Source code</u>
parameters type *getMetricHistoryRequest*

- ◆ sessionKey type *string*
  The session key
- ◆ machineId type *string*
  The id of the machine
- ◆ startTime - optional; type *long*
  The start time to get the history
- ◆ endTime - optional; type *long*
  The end time to get the history
- ◆ type - optional; type *MetricType* - type *string* with restriction - enum { 'UNDEFINED', 'CPUUSE', 'FREEDISKSPACE', 'FREEMEMORY' }
  The type of metric searched

Output:
getMetricHistoryOutput (soapbind:body, use = literal)<u>Source code</u>
parameters type *getMetricHistoryResponse*

- ◆ data - optional;
    - ◆ metric - optional, unbounded, nillable;
        - • type - optional; type *MetricType* - type *string* with restriction - enum { 'UNDEFINED', 'CPUUSE', 'FREEDISKSPACE', 'FREEMEMORY' }
          The type of the metric
        - • value - optional; type *long*
          The value of the metric
        - • time - optional; type *long*
          The timestamp the metric had the value

Fault:
DBERRMessage (documentation, use = literal)<u>Source code</u>
fault type *DBERRFault*
Fault:
INVALID_PARAMETERMessage (documentation, use = literal)<u>Source code</u>
fault type *INVALID_PARAMETERFault*
Fault:

SESSIONKEY_EXPIREDMessage (documentation, use = literal)<u>Source code</u>
fault type *SESSIONKEY_EXPIREDFault*
Fault:
SESSIONKEY_NOT_FOUNDMessage (documentation, use = literal)<u>Source code</u>
fault type *SESSIONKEY_NOT_FOUNDFault*
Fault:
UNDEFINEDMessage (documentation, use = literal)<u>Source code</u>
fault type *UNDEFINEDFault*

4. **getSystemInfo**

<u>Source code</u>
Description:
To get the system info on a machine
Operation type:
Request-response. The endpoint receives a message, and sends a correlated message.
Input:
getSystemInfoInput (soapbind:body, use = literal)<u>Source code</u>
parameters type *getSystemInfoRequest*

- ♦ sessionKey type *string*
  The session key
- ♦ machineId - optional; type *string*
  The machine id

Output:
getSystemInfoOutput (soapbind:body, use = literal)<u>Source code</u>
parameters type *getSystemInfoResponse*

- ♦ data - optional;
  - ♦ systeminfo - optional, unbounded, nillable;
    - • memory - optional; type *long*
      Amount of RAM memory available on the machine (in Bytes)
    - • diskSpace - optional; type *long*
      Amount of disk space available on the machine (in Bytes)
    - • machineId - optional; type *string*
      The id of the machine

Fault:
DBERRMessage (documentation, use = literal)<u>Source code</u>
fault type *DBERRFault*
Fault:
INVALID_PARAMETERMessage (documentation, use = literal)<u>Source code</u>
fault type *INVALID_PARAMETERFault*
Fault:
SESSIONKEY_EXPIREDMessage (documentation, use = literal)<u>Source code</u>
fault type *SESSIONKEY_EXPIREDFault*
Fault:
SESSIONKEY_NOT_FOUNDMessage (documentation, use = literal)<u>Source code</u>
fault type *SESSIONKEY_NOT_FOUNDFault*
Fault:
UNDEFINEDMessage (documentation, use = literal)<u>Source code</u>
fault type *UNDEFINEDFault*

5. **getUpdateFrequency**

Source code
Description:
gets the update frequency of the IMS database
Operation type:
Request-response. The endpoint receives a message, and sends a correlated message.
Input:
getUpdateFrequencyInput (soapbind:body, use = literal)Source code
parameters type *getUpdateFrequencyRequest*
- ♦ sessionKey type *string*
  The session key
Output:
getUpdateFrequencyOutput (soapbind:body, use = literal)Source code
parameters type *getUpdateFrequencyResponse*
- ♦ freq type *integer*
  Frequency the data are updated, in second
Fault:
DBERRMessage (documentation, use = literal)Source code
fault type *DBERRFault*
Fault:
INVALID_PARAMETERMessage (documentation, use = literal)Source code
fault type *INVALID_PARAMETERFault*
Fault:
SESSIONKEY_EXPIREDMessage (documentation, use = literal)Source code
fault type *SESSIONKEY_EXPIREDFault*
Fault:
SESSIONKEY_NOT_FOUNDMessage (documentation, use = literal)Source code
fault type *SESSIONKEY_NOT_FOUNDFault*
Fault:
UNDEFINEDMessage (documentation, use = literal)Source code
fault type *UNDEFINEDFault*

WSDL source code

```xml
<?xml version="1.0"?>
<definitions name="VishnuIMS" targetNamespace="urn:ResourceProxy"
xmlns="http://schemas.xmlsoap.org/wsdl/"
xmlns:tns="urn:ResourceProxy"
xmlns:soapbind="http://schemas.xmlsoap.org/wsdl/soap/"
>
<types>
<xs:schema attributeFormDefault="unqualified" elementFormDefault="unqualified"
targetNamespace="urn:ResourceProxy"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
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<xs:complexType>
<xs:sequence>
<xs:element minOccurs="1" name="sessionKey" type="xs:string">
<xs:annotation>
```

```
<xs:documentation>The session key</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element minOccurs="1" name="oldSessionId" type="xs:string">
<xs:annotation>
<xs:documentation>The id of the session to export (session has ended)</xs:documentation>
</xs:annotation>
</xs:element>
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<xs:annotation>
<xs:documentation>The type to export</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:simpleType name="ExportType">
<xs:restriction base="xs:string">
<xs:enumeration value="UNDEFINED" />
<xs:enumeration value="SHELL" />
</xs:restriction>
</xs:simpleType>
<xs:element name="exportCommandsResponse">
<xs:complexType>
<xs:sequence />
</xs:complexType>
</xs:element>
<xs:element name="getMetricCurrentValueRequest">
<xs:complexType>
<xs:sequence>
<xs:element minOccurs="1" name="sessionKey" type="xs:string">
<xs:annotation>
<xs:documentation>The session key</xs:documentation>
</xs:annotation>
</xs:element>
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<xs:annotation>
<xs:documentation>The id of the machine</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element minOccurs="1" name="metricType" type="Q1:MetricType">
<xs:annotation>
<xs:documentation>The type of the metric</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
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<xs:simpleType name="MetricType">
<xs:restriction base="xs:string">
<xs:enumeration value="UNDEFINED" />
```

```xml
<xs:enumeration value="CPUUSE" />
<xs:enumeration value="FREEDISKSPACE" />
<xs:enumeration value="FREEMEMORY" />
</xs:restriction>
</xs:simpleType>
<xs:element name="getMetricCurrentValueResponse">
<xs:complexType>
<xs:sequence>
<xs:element minOccurs="0" name="data">
<xs:complexType>
<xs:sequence>
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<xs:sequence />
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<xs:annotation>
<xs:documentation>The type of the metric</xs:documentation>
</xs:annotation>
</xs:attribute>
<xs:attribute name="value" type="xs:long" use="optional">
<xs:annotation>
<xs:documentation>The value of the metric</xs:documentation>
</xs:annotation>
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<xs:annotation>
<xs:documentation>The timestamp the metric had the value</xs:documentation>
</xs:annotation>
</xs:attribute>
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</xs:element>
</xs:sequence>
</xs:complexType>
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</xs:sequence>
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<xs:sequence>
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<xs:documentation>The session key</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element minOccurs="1" name="machineId" type="xs:string">
<xs:annotation>
<xs:documentation>The id of the machine</xs:documentation>
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<xs:element minOccurs="0" name="startTime" type="xs:long">
```

```
<xs:annotation>
<xs:documentation>The start time to get the history</xs:documentation>
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<xs:element name="getUpdateFrequencyRequest">
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```

```
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<xs:documentation>Frequency the data are updated, in second</xs:documentation>
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```

```
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```xml
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<part element="tns:exportCommandsResponse" name="parameters" />
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<part element="tns:getMetricCurrentValueResponse" name="parameters" />
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<part element="tns:getMetricHistoryRequest" name="parameters" />
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<documentation>exports all the commands made by a user during a session</documentation>
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<output message="tns:exportCommandsOutput" name="exportCommandsOutput" />
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</fault>
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</fault>
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<documentation>Undefined error code</documentation>
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<documentation>The session key has expired. The session is closed.</documentation>
</fault>
<fault message="tns:SESSIONKEY_NOT_FOUNDMessage" name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
</fault>
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<operation name="getMetricCurrentValue">
<documentation>displays the current values of system metrics</documentation>
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<output message="tns:getMetricCurrentValueOutput" name="getMetricCurrentValueOutput" />
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</fault>
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<documentation>Undefined error code</documentation>
</fault>
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<documentation>The session key is unrecognized.</documentation>
</fault>
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<documentation>Undefined error code</documentation>
```

```
</fault>
</operation>
<operation name="getUpdateFrequency">
<documentation>gets the update frequency of the IMS database</documentation>
<input message="tns:getUpdateFrequencyInput" name="getUpdateFrequencyInput" />
<output message="tns:getUpdateFrequencyOutput" name="getUpdateFrequencyOutput" />
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</fault>
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</fault>
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<documentation>The session key has expired. The session is closed.</documentation>
</fault>
<fault message="tns:SESSIONKEY_NOT_FOUNDMessage" name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
</fault>
<fault message="tns:UNDEFINEDMessage" name="UNDEFINED">
<documentation>Undefined error code</documentation>
</fault>
</operation>
<operation name="getSystemInfo">
<documentation>To get the system info on a machine</documentation>
<input message="tns:getSystemInfoInput" name="getSystemInfoInput" />
<output message="tns:getSystemInfoOutput" name="getSystemInfoOutput" />
<fault message="tns:DBERRMessage" name="DBERR">
<documentation>The database generated an error</documentation>
</fault>
<fault message="tns:INVALID_PARAMETERMessage" name="INVALID_PARAMETER">
<documentation>If a parameter is invalid</documentation>
</fault>
<fault message="tns:SESSIONKEY_EXPIREDMessage" name="SESSIONKEY_EXPIRED">
<documentation>The session key has expired. The session is closed.</documentation>
</fault>
<fault message="tns:SESSIONKEY_NOT_FOUNDMessage" name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
</fault>
<fault message="tns:UNDEFINEDMessage" name="UNDEFINED">
<documentation>Undefined error code</documentation>
</fault>
</operation>
</portType>
<binding name="VishnuIMSSOAPBinding" type="tns:VishnuIMSPortType">
<soapbind:binding style="document" transport="http://schemas.xmlsoap.org/soap/http" />
<operation name="exportCommands">
<documentation>exports all the commands made by a user during a session</documentation>
<soapbind:operation soapAction="" />
<input name="exportCommandsInput">
<soapbind:body use="literal" />
</input>
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<output name="exportCommandsOutput">
<soapbind:body use="literal" />
</output>
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<documentation>The database generated an error</documentation>
<soapbind:fault name="DBERR" use="literal" />
</fault>
<fault name="INVALID_PARAMETER">
<documentation>If a parameter is invalid</documentation>
<soapbind:fault name="INVALID_PARAMETER" use="literal" />
</fault>
<fault name="UNDEFINED">
<documentation>Undefined error code</documentation>
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<documentation>The session key has expired. The session is closed.</documentation>
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</fault>
<fault name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
<soapbind:fault name="SESSIONKEY_NOT_FOUND" use="literal" />
</fault>
</operation>
<operation name="getMetricCurrentValue">
<documentation>displays the current values of system metrics</documentation>
<soapbind:operation soapAction="" />
<input name="getMetricCurrentValueInput">
<soapbind:body use="literal" />
</input>
<output name="getMetricCurrentValueOutput">
<soapbind:body use="literal" />
</output>
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<soapbind:fault name="DBERR" use="literal" />
</fault>
<fault name="INVALID_PARAMETER">
<documentation>If a parameter is invalid</documentation>
<soapbind:fault name="INVALID_PARAMETER" use="literal" />
</fault>
<fault name="SESSIONKEY_EXPIRED">
<documentation>The session key has expired. The session is closed.</documentation>
<soapbind:fault name="SESSIONKEY_EXPIRED" use="literal" />
</fault>
<fault name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
<soapbind:fault name="SESSIONKEY_NOT_FOUND" use="literal" />
</fault>
<fault name="UNDEFINED">
<documentation>Undefined error code</documentation>
```

WSDL source code   14

```
<soapbind:fault name="UNDEFINED" use="literal" />
</fault>
</operation>
<operation name="getMetricHistory">
<documentation>displays the history of values of a system metric</documentation>
<soapbind:operation soapAction="" />
<input name="getMetricHistoryInput">
<soapbind:body use="literal" />
</input>
<output name="getMetricHistoryOutput">
<soapbind:body use="literal" />
</output>
<fault name="DBERR">
<documentation>The database generated an error</documentation>
<soapbind:fault name="DBERR" use="literal" />
</fault>
<fault name="INVALID_PARAMETER">
<documentation>If a parameter is invalid</documentation>
<soapbind:fault name="INVALID_PARAMETER" use="literal" />
</fault>
<fault name="SESSIONKEY_EXPIRED">
<documentation>The session key has expired. The session is closed.</documentation>
<soapbind:fault name="SESSIONKEY_EXPIRED" use="literal" />
</fault>
<fault name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
<soapbind:fault name="SESSIONKEY_NOT_FOUND" use="literal" />
</fault>
<fault name="UNDEFINED">
<documentation>Undefined error code</documentation>
<soapbind:fault name="UNDEFINED" use="literal" />
</fault>
</operation>
<operation name="getUpdateFrequency">
<documentation>gets the update frequency of the IMS database</documentation>
<soapbind:operation soapAction="" />
<input name="getUpdateFrequencyInput">
<soapbind:body use="literal" />
</input>
<output name="getUpdateFrequencyOutput">
<soapbind:body use="literal" />
</output>
<fault name="DBERR">
<documentation>The database generated an error</documentation>
<soapbind:fault name="DBERR" use="literal" />
</fault>
<fault name="INVALID_PARAMETER">
<documentation>If a parameter is invalid</documentation>
<soapbind:fault name="INVALID_PARAMETER" use="literal" />
</fault>
<fault name="SESSIONKEY_EXPIRED">
```

WSDL source code   15

```xml
<documentation>The session key has expired. The session is closed.</documentation>
<soapbind:fault name="SESSIONKEY_EXPIRED" use="literal" />
</fault>
<fault name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
<soapbind:fault name="SESSIONKEY_NOT_FOUND" use="literal" />
</fault>
<fault name="UNDEFINED">
<documentation>Undefined error code</documentation>
<soapbind:fault name="UNDEFINED" use="literal" />
</fault>
</operation>
<operation name="getSystemInfo">
<documentation>To get the system info on a machine</documentation>
<soapbind:operation soapAction="" />
<input name="getSystemInfoInput">
<soapbind:body use="literal" />
</input>
<output name="getSystemInfoOutput">
<soapbind:body use="literal" />
</output>
<fault name="DBERR">
<documentation>The database generated an error</documentation>
<soapbind:fault name="DBERR" use="literal" />
</fault>
<fault name="INVALID_PARAMETER">
<documentation>If a parameter is invalid</documentation>
<soapbind:fault name="INVALID_PARAMETER" use="literal" />
</fault>
<fault name="SESSIONKEY_EXPIRED">
<documentation>The session key has expired. The session is closed.</documentation>
<soapbind:fault name="SESSIONKEY_EXPIRED" use="literal" />
</fault>
<fault name="SESSIONKEY_NOT_FOUND">
<documentation>The session key is unrecognized.</documentation>
<soapbind:fault name="SESSIONKEY_NOT_FOUND" use="literal" />
</fault>
<fault name="UNDEFINED">
<documentation>Undefined error code</documentation>
<soapbind:fault name="UNDEFINED" use="literal" />
</fault>
</operation>
</binding>
<service name="VishnuIMSService">
<port binding="tns:VishnuIMSSOAPBinding" name="VishnuIMSPort">
<soapbind:address location="http://127.0.0.1:8080/ResourceProxy/VishnuIMS" />
</port>
</service>
</definitions>
```

WSDL source code   16

About *wsdl-viewer.xsl*

This document was generated by <u>libxslt</u> XSLT engine. The engine processed the WSDL in XSLT 1.0 compliant mode.

This page has been generated by wsdl-viewer.xsl, version 3.1.01
Author: <u>tomi vanek</u>
Download at <u>http://tomi.vanek.sk/xml/wsdl-viewer.xsl</u>.

The transformation was inspired by the article
Uche Ogbuji: <u>WSDL processing with XSLT</u>
This page was generated by wsdl-viewer.xsl (<u>http://tomi.vanek.sk</u>)