```xml
<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions targetNamespace="urn:fws"
xmlns:fwsmodel="http://model.ws.foundation.groundwork.org"
xmlns:apachesoap="http://xml.apache.org/xml-soap" xmlns:impl="urn:fws"
xmlns:intf="urn:fws"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<!--
Collage - The ultimate data integration framework.
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info@groundworkopensource.com

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    Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA  02110-1301  USA
-->

<wsdl:import namespace="urn:fwsmodel"
            xmlns:fwsmodel="http://model.ws.foundation.groundwork.org"
            location="../fwsmodel.wsdl" />

  <wsdl:message name="WSFoundationException">

    <wsdl:part name="fault" element="fwsmodel:WSFoundationException"/>

  </wsdl:message>

  <wsdl:message name="getServicesResponse">

    <wsdl:part name="getServicesReturn"
    type="fwsmodel:WSFoundationCollection"/>

  </wsdl:message>

  <wsdl:message name="getServicesRequest">

    <wsdl:part name="type" type="fwsmodel:ServiceQueryType"/>

    <wsdl:part name="value" type="xsd:string"/>

    <wsdl:part name="appType" type="xsd:string"/>

     <wsdl:part name="startRange" type="xsd:int"/>
```

```xml
    <wsdl:part name="endRange" type="xsd:int"/>

    <wsdl:part name="orderedBy" type="fwsmodel:SortCriteria"/>
</wsdl:message>

<wsdl:message name="getServicesByStringResponse">

    <wsdl:part name="getServicesByStringReturn"
    type="fwsmodel:WSFoundationCollection"/>

</wsdl:message>

<wsdl:message name="getServicesByStringRequest">

    <wsdl:part name="type" type="xsd:string"/>

    <wsdl:part name="value" type="xsd:string"/>

    <wsdl:part name="appType" type="xsd:string"/>

     <wsdl:part name="startRange" type="xsd:string"/>

    <wsdl:part name="endRange" type="xsd:string"/>

    <wsdl:part name="sortOrder" type="xsd:string"/>

    <wsdl:part name="sortField" type="xsd:string"/>
</wsdl:message>

<wsdl:message name="getServicesByCriteriaRequest">
    <wsdl:part name="filter" type="fwsmodel:Filter"/>
    <wsdl:part name="sort" type="fwsmodel:Sort"/>
    <wsdl:part name="firstResult" type="xsd:int"/>
    <wsdl:part name="maxResults" type="xsd:int"/>
</wsdl:message>

<wsdl:message name="getServicesByCriteriaResponse">
    <wsdl:part name="getServicesByCriteriaReturn"
    type="fwsmodel:WSFoundationCollection"/>
</wsdl:message>


    <wsdl:message name="getTroubledServicesRequest">
    <wsdl:part name="sort" type="fwsmodel:Sort"/>
    <wsdl:part name="firstResult" type="xsd:int"/>
    <wsdl:part name="maxResults" type="xsd:int"/>
</wsdl:message>

<wsdl:message name="getTroubledServicesResponse">
    <wsdl:part name="getTroubledServicesReturn"
    type="fwsmodel:WSFoundationCollection"/>
</wsdl:message>
```

```xml
<wsdl:message name="getServiceListByHostNameRequest">
    <wsdl:part name="hostName" type="xsd:string"/>

</wsdl:message>



<wsdl:message name="getServiceListByHostNameResponse">
    <wsdl:part name="getServiceListByHostNameReturn"
    type="fwsmodel:WSFoundationCollection"/>
</wsdl:message>

 <wsdl:message name="getSimpleServiceListByHostNameRequest">
    <wsdl:part name="hostName" type="xsd:string"/>
</wsdl:message>

<wsdl:message name="getSimpleServiceListByHostNameResponse">
    <wsdl:part name="getSimpleServiceListByHostNameReturn"
    type="fwsmodel:WSFoundationCollection"/>
</wsdl:message>

<wsdl:message name="getSimpleServiceListByCriteriaRequest">
    <wsdl:part name="filter" type="fwsmodel:Filter"/>
</wsdl:message>

<wsdl:message name="getSimpleServiceListByCriteriaResponse">
    <wsdl:part name="getSimpleServiceListByCriteriaReturn"
    type="fwsmodel:WSFoundationCollection"/>
</wsdl:message>

<wsdl:portType name="WSService">

    <wsdl:operation name="getServices" parameterOrder="type value appType
    startRange endRange orderedBy">
        <wsdl:input message="impl:getServicesRequest"
        name="getServicesRequest"/>
        <wsdl:output message="impl:getServicesResponse"
        name="getServicesResponse"/>
        <wsdl:fault message="impl:WSFoundationException"
        name="WSFoundationException"/>
    </wsdl:operation>

    <wsdl:operation name="getServicesByString" parameterOrder="type value
    appType startRange endRange sortOrder sortField">
        <wsdl:input message="impl:getServicesByStringRequest"
        name="getServicesByStringRequest"/>
        <wsdl:output message="impl:getServicesByStringResponse"
        name="getServicesByStringResponse"/>
        <wsdl:fault message="impl:WSFoundationException"
        name="WSFoundationException"/>
    </wsdl:operation>

    <wsdl:operation name="getServicesByCriteria" parameterOrder="filter
    sort firstResult maxResults">
```

```xml
        <wsdl:input message="impl:getServicesByCriteriaRequest"
        name="getServicesByCriteriaRequest"/>
        <wsdl:output message="impl:getServicesByCriteriaResponse"
        name="getServicesByCriteriaResponse"/>
        <wsdl:fault message="impl:WSFoundationException"
        name="WSFoundationException"/>
    </wsdl:operation>

    <wsdl:operation name="getTroubledServices" parameterOrder="sort
    firstResult maxResults">
        <wsdl:input message="impl:getTroubledServicesRequest"
        name="getTroubledServicesRequest"/>
        <wsdl:output message="impl:getTroubledServicesResponse"
        name="getTroubledServicesResponse"/>
        <wsdl:fault message="impl:WSFoundationException"
        name="WSFoundationException"/>
    </wsdl:operation>

    <wsdl:operation name="getServiceListByHostName"
    parameterOrder="hostName">
        <wsdl:input message="impl:getServiceListByHostNameRequest"
        name="getServiceListByHostNameRequest"/>
        <wsdl:output message="impl:getServiceListByHostNameResponse"
        name="getServiceListByHostNameResponse" />
         <wsdl:fault message="impl:WSFoundationException"
         name="WSFoundationException" />
    </wsdl:operation>

    <wsdl:operation name="getSimpleServiceListByHostName"
    parameterOrder="hostName">
        <wsdl:input message="impl:getSimpleServiceListByHostNameRequest"
        name="getSimpleServiceListByHostNameRequest"/>
        <wsdl:output message="impl:getSimpleServiceListByHostNameResponse"
        name="getSimpleServiceListByHostNameResponse" />
         <wsdl:fault message="impl:WSFoundationException"
         name="WSFoundationException" />
    </wsdl:operation>

    <wsdl:operation name="getSimpleServiceListByCriteria"
    parameterOrder="filter">
        <wsdl:input message="impl:getSimpleServiceListByCriteriaRequest"
        name="getSimpleServiceListByCriteriaRequest"/>
        <wsdl:output message="impl:getSimpleServiceListByCriteriaResponse"
        name="getSimpleServiceListByCriteriaResponse"/>
        <wsdl:fault message="impl:WSFoundationException"
        name="WSFoundationException"/>
    </wsdl:operation>

</wsdl:portType>

<wsdl:binding name="serviceSoapBinding" type="impl:WSService">
    <wsdlsoap:binding style="rpc"
    transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="getServices">
```

```xml
<wsdlsoap:operation soapAction="/foundation-
webapp/services/wsservice"/>
<wsdl:input name="getServicesRequest">
   <wsdlsoap:body
   encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
   namespace="urn:fws" use="literal"/>
</wsdl:input>

<wsdl:output name="getServicesResponse">
   <wsdlsoap:body
   encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
   namespace="urn:fws" use="literal"/>
</wsdl:output>

<wsdl:fault name="WSFoundationException">
   <wsdlsoap:fault
   encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
   name="WSFoundationException" use="literal"/>
</wsdl:fault>
</wsdl:operation>

<wsdl:operation name="getServicesByString">

   <wsdlsoap:operation soapAction="/foundation-
   webapp/services/wsservice"/>

   <wsdl:input name="getServicesByStringRequest">

      <wsdlsoap:body
      encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      namespace="urn:fws" use="literal"/>

   </wsdl:input>

   <wsdl:output name="getServicesByStringResponse">

      <wsdlsoap:body
      encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      namespace="urn:fws" use="literal"/>

   </wsdl:output>

   <wsdl:fault name="WSFoundationException">

      <wsdlsoap:fault
      encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      name="WSFoundationException" use="literal"/>

   </wsdl:fault>

</wsdl:operation>

<wsdl:operation name="getServicesByCriteria">
   <wsdlsoap:operation soapAction="/foundation-
```

```xml
        webapp/services/wsservice"/>
     <wsdl:input name="getServicesByCriteriaRequest">
        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        namespace="urn:fws" use="literal"/>
     </wsdl:input>

     <wsdl:output name="getServicesByCriteriaResponse">
        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        namespace="urn:fws" use="literal"/>
     </wsdl:output>

     <wsdl:fault name="WSFoundationException">
        <wsdlsoap:fault
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        name="WSFoundationException" use="literal"/>
     </wsdl:fault>
  </wsdl:operation>

  <wsdl:operation name="getTroubledServices">
     <wsdlsoap:operation soapAction="/foundation-
     webapp/services/wsservice"/>
     <wsdl:input name="getTroubledServicesRequest">
        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        namespace="urn:fws" use="literal"/>
     </wsdl:input>

     <wsdl:output name="getTroubledServicesResponse">

        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        namespace="urn:fws" use="literal"/>

     </wsdl:output>

     <wsdl:fault name="WSFoundationException">
        <wsdlsoap:fault
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        name="WSFoundationException" use="literal"/>
     </wsdl:fault>

  </wsdl:operation>

  <wsdl:operation name="getServiceListByHostName">

     <wsdlsoap:operation soapAction="/foundation-
     webapp/services/wsservice"/>

     <wsdl:input name="getServiceListByHostNameRequest">

        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
```

```xml
          namespace="urn:fws" use="literal"/>

     </wsdl:input>

     <wsdl:output name="getServiceListByHostNameResponse">

        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        namespace="urn:fws" use="literal"/>

     </wsdl:output>

     <wsdl:fault name="WSFoundationException">
        <wsdlsoap:fault
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        name="WSFoundationException" use="literal"/>
     </wsdl:fault>

  </wsdl:operation>

  <wsdl:operation name="getSimpleServiceListByHostName">

     <wsdlsoap:operation soapAction="/foundation-
     webapp/services/wsservice"/>

     <wsdl:input name="getSimpleServiceListByHostNameRequest">

        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        namespace="urn:fws" use="literal"/>

     </wsdl:input>

     <wsdl:output name="getSimpleServiceListByHostNameResponse">

        <wsdlsoap:body
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        namespace="urn:fws" use="literal"/>

     </wsdl:output>

     <wsdl:fault name="WSFoundationException">
        <wsdlsoap:fault
        encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        name="WSFoundationException" use="literal"/>
     </wsdl:fault>

  </wsdl:operation>

  <wsdl:operation name="getSimpleServiceListByCriteria">
     <wsdlsoap:operation soapAction="/foundation-
     webapp/services/wsservice"/>
     <wsdl:input name="getSimpleServiceListByCriteriaRequest">
        <wsdlsoap:body
```

```
            encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
            namespace="urn:fws" use="literal"/>
        </wsdl:input>

        <wsdl:output name="getSimpleServiceListByCriteriaResponse">
            <wsdlsoap:body
            encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
            namespace="urn:fws" use="literal"/>
        </wsdl:output>

        <wsdl:fault name="WSFoundationException">
            <wsdlsoap:fault
            encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
            name="WSFoundationException" use="literal"/>
        </wsdl:fault>
    </wsdl:operation>

</wsdl:binding>

<wsdl:service name="WSServiceService">

    <wsdl:port binding="impl:serviceSoapBinding" name="wsservice">

        <wsdlsoap:address location="http://localhost:8080/foundation-
        webapp/services/wsservice"/>

    </wsdl:port>

</wsdl:service>

</wsdl:definitions>
```