Hello Amira,

We have setup a web service on a staging site: <https://sg.idsdatanet.com/d2_omv_global_staging/webservice/depotwebservice.html>  
  
**HTTP Basic Authentication:**

|  |  |
| --- | --- |
| **Username** | **Password** |
| *witsmltest* | *witsmltest123* |

**HTTP GET Method:**

|  |  |
| --- | --- |
| **Parameter** | **Value** |
| type | *"witsml"* |
| version | *"1.3.1.1"* |
| data\_object | *"well" OR "wellbore" OR "opsReport"* (see below) |
| query\_template | XML formatted string (see below) |

You may refer to the **WITSML 1.3.1.1** core API documentation on how to form the **query\_template**parameter: <http://w3.energistics.org/schema/witsml_v1.3.1_api/WITSML_Core_API_Version_1.3.1.doc> (specifically the GetFromStore method).

Using **HTTP GET**:

1. Run a query to get all available***well***data objects from the web service. **query\_template =**
   * <wells xmlns="<http://www.witsml.org/schemas/131>" version="1.3.1.1">  
         <well uid="">  
             <name />  
         </well>  
     </wells>
2. Using the*<well uid="" />*attribute from above, run a query to get all available***wellbore***data objects from the web service. **Query\_template =**
   * <wellbores xmlns="<http://www.witsml.org/schemas/131>" version="1.3.1.1">  
         <wellbore uidWell="xxxxxxxx" uid="">  
             <name />  
         </wellbore>  
     </wellbores>
3. Using both the *<well uid="" />*and *<wellbore uid="" />*attributes from above, run a query for all available***opsReport*** objects of that well. **query\_template =**
   * <opsReports  xmlns="<http://www.witsml.org/schemas/131>" version="1.3.1.1">  
         <opsReport  uidWell="xxxxxxxx" uidWellbore="yyyyyyyy" uid="">  
             <name />  
             <dTim />  
         </opsReport>  
     </opsReports>
4. Each *<opsReport />*represents a reporting day in DataNet. You can further retrieve all ***<activity />*** records from within each *<opsReport />,* by adding on the*<opsReport uid="" />* value. **query\_template =**
   * <opsReports xmlns="<http://www.witsml.org/schemas/131>" version="1.3.1.1">  
         <opsReport uidWell="xxxxxxxx" uidWellbore="yyyyyyyy" uid="zzzzzzzz">  
             <activity uid="">

            <dTimStart/>

            <dTimEnd/>

            <duration/>

            <phase/>

            <activityCode/>

            <detailActivity/>

            <typeActivityClass/>

            <state/>

            <operator/>

            <optimum/>

            <productive/>

            <itemState/>

            <comments/>

        </activity>  
    </opsReport>  
</opsReports>

1. The given *<activity />* object(s) should be able to give you the data that you need for analysis.

**Note:**

1. *well*, *wellbore* and *opsReport* are **main**data objects, independent of each other. This must be specified in the 'data\_object' HTTP GET parameter together with its relevant query template.
2. *opsReport* is the **parent**of the *activity* data object.
3. Reference: <http://w3.energistics.org/schema/witsml_v1.3.1.1_data/doc/WITSML_Schema_docu.htm>

Attached FS\_DEPOT\_RESTful API\_v1.0.pdf for your reference.

Kindly do some tests on your application/client to see if it’s connectable from your end.

Amira,

As requested, I have enabled access to the following data objects with a sample of their respective query templates:

1. '**tubular**':

<tubulars xmlns=**"http://www.witsml.org/schemas/131"** version=**"1.3.1.1"**>

<tubular uidWell=**""** uidWellbore=**""** uid=**""**>

<nameWell/>

<nameWellbore/>

<name/>

<typeTubularAssy/>

<tubularComponent uid=**""**>

<typeTubularComp/>

<sequence/>

<description/>

<id uom=**""**/>

<od uom=**""**/>

<odMx uom=**""**/>

<len uom=**""**/>

<numJointStand/>

<wtPerLen uom=**""**/>

<grade/>

<vendor/>

<model/>

<bitRecord>

<numBit/>

<diaBit uom=**""**/>

<manufacturer/>

<typeBit/>

<codeIADC/>

<condFinalInner/>

<condFinalOuter/>

<condFinalDull/>

<condFinalLocation/>

<condFinalBearing/>

<condFinalGauge/>

<condFinalOther/>

<condFinalReason/>

</bitRecord>

<nozzle uid=**""**>

<index/>

<diaNozzle uom=**""**/>

</nozzle>

</tubularComponent>

</tubular>

</tubulars>

2. '**bhaRun**':

<bhaRuns xmlns=**"http://www.witsml.org/schemas/131"** version=**"1.3.1.1"**>

<bhaRun uidWell=**""** uidWellbore=**""** uid=**""**>

<nameWell/>

<nameWellbore/>

<name/>

<tubular uidRef=**""**/>

<dTimStart/>

<dTimStop/>

<numBitRun/>

<numStringRun/>

<objectiveBha/>

<drillingParams uid=**""**>

<eTimOpBit uom=**""**/>

<mdHoleStart uom=**""**/>

<mdHoleStop uom=**""**/>

<tubular uidRef=**""**/>

<tqOnBotAv uom=**""**/>

<tqOnBotMx uom=**""**/>

<tqOnBotMn uom=**""**/>

<tqOffBotAv uom=**""**/>

<tqDhAv uom=**""**/>

<wtMud uom=**""**/>

<flowratePump uom=**""**/>

<distHold uom=**""**/>

<rpmAv uom=**""**/>

<rpmMx uom=**""**/>

<rpmMn uom=**""**/>

<rpmAvDh uom=**""**/>

<ropAv uom=**""**/>

<ropMx uom=**""**/>

<ropMn uom=**""**/>

<wobAv uom=**""**/>

<wobMx uom=**""**/>

<wobMn uom=**""**/>

<wobAvDh uom=**""**/>

<aziTop uom=**""**/>

<aziBottom uom=**""**/>

<inclStart uom=**""**/>

<inclMx uom=**""**/>

<inclMn uom=**""**/>

<inclStop uom=**""**/>

<presPumpAv uom=**""**/>

<flowrateBit uom=**""**/>

<comments/>

</drillingParams>

</bhaRun>

</bhaRuns>

3. '**trajectory**':

<trajectorys xmlns=**"http://www.witsml.org/schemas/131"** version=**"1.3.1.1"**>

<trajectory uidWell=**""** uidWellbore=**""** uid=**""** >

<nameWell/>

<nameWellbore/>

<name/>

<objectGrowing/>

<mdMn uom=**""** datum=**""**/>

<mdMx uom=**""** datum=**""**/>

<magDeclUsed uom=**""**/>

<aziVertSect uom=**""**/>

<dispNsVertSectOrig uom=**""**/>

<dispEwVertSectOrig uom=**""**/>

<trajectoryStation uid=**""**>

<dTimStn/>

<typeTrajStation/>

<typeSurveyTool/>

<md uom=**""**/>

<tvd uom=**""**/>

<incl uom=**""**/>

<azi uom=**""**/>

<dispNs uom=**""**/>

<dispEw uom=**""**/>

<vertSect uom=**""**/>

<dls uom=**""**/>

<rateTurn uom=**""**/>

<rateBuild uom=**""**/>

</trajectoryStation>

</trajectory>

</trajectorys>

**2.**Survey = **trajectory**. **Tubular**represents the assembly of a BHA before it is used/run inside a wellbore (thus a BHA 'run'). For more information, you may refer to the WITSML 1.3.1.1 standard schema (<http://w3.energistics.org/schema/witsml_v1.3.1.1_data/doc/WITSML_Schema_docu.htm>) on which the web service is built upon.