

web

YellowfinwebLISTDATASOURCESLOADDATASOURCESAVEDATASOURCE

webIDAdministrationDataSource

|          |         |   |
|----------|---------|---|
|          |         |   |
| LoginId  | String  | Yellowfin WebIDIDID<br>Yellowfin <b>Yellowfin Web</b> |
| Password | String  |   |
| OrgId    | Integer | YellowfinID1  |
| Function | String  | Web <b>LISTDATASOURCES</b>                            |
| OrgRef   | String  | ID  |

SOAP XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservices.web.mi.hof.com/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:remoteAdministrationCall>
      <arg0>
        <loginId>admin@yellowfin.com.au</loginId>
        <password>test</password>
        <orgId>1</orgId>
        <function>LISTDATASOURCES</function>
      </arg0>
    </web:remoteAdministrationCall>
  </soapenv:Body>
</soapenv:Envelope>
```

|             |   |  |
|-------------|---|--|
|             |   |  |
| StatusCode  | String                                      | Web<br><ul style="list-style-type: none"><li>• SUCCESS</li><li>• FAILURE</li></ul> |
| DataSources | <a href="#">AdministrationDataSource</a> [] |  |

# SOAP

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:remoteAdministrationCallResponse xmlns:ns2="http://webservices.web.mi.hof.com/">
      <return>
        <datasources>
          <accessLevelCode>UNSECURE</accessLevelCode>
          <connectionDriver>org.hsqldb.jdbcDriver</connectionDriver>
          <connectionPath/>
          <connectionString>jdbc:hsqldb:file:/Applications/Yellowfin 7.4 86/tutorialdata/newskiteam;
shutdown=true</connectionString>
          <connectionTimeout>180</connectionTimeout>
          <connectionType>JDBC</connectionType>
          <connectionTypeCode>GENERICUSER</connectionTypeCode>
          <inheritChildSourceFilters>false</inheritChildSourceFilters>
          <maxRows>10000</maxRows>
          <maximumConnections>5</maximumConnections>
          <minimumConnections>1</minimumConnections>
          <refreshTime>3</refreshTime>
          <sourceDescription>Ski Team is the demonstration and tutorial database.</sourceDescription>
          <sourceId>54700</sourceId>
          <sourceName>Ski Team</sourceName>
          <sourceType>HSQLDB</sourceType>
          <timezone>AUSTRALIA/SYDNEY</timezone>
          <userName>SA</userName>
          <userPassword>cDahEHuTOrk=</userPassword>
        </datasources>
        <datasources>
          <accessLevelCode>UNSECURE</accessLevelCode>
          <connectionDriver>org.hsqldb.jdbcDriver</connectionDriver>
          <connectionString>jdbc:hsqldb:file:/Applications/Yellowfin 7.4 86/data/configdb;shutdown=true<
/connectionString>
          <connectionTimeout>180</connectionTimeout>
          <connectionType>JDBC</connectionType>
          <connectionTypeCode>GENERICUSER</connectionTypeCode>
          <inheritChildSourceFilters>false</inheritChildSourceFilters>
          <maxRows>10000</maxRows>
          <maximumConnections>5</maximumConnections>
          <minimumConnections>1</minimumConnections>
          <refreshTime>3</refreshTime>
          <sourceDescription/>
          <sourceId>54701</sourceId>
          <sourceName>Yellowfin Configuration Database</sourceName>
          <sourceType>GENERICJDBC</sourceType>
          <timezone>AUSTRALIA/SYDNEY</timezone>
          <userName>SA</userName>
          <userPassword>cDahEHuTOrk=</userPassword>
        </datasources>
        <datasources>
          <accessLevelCode>UNSECURE</accessLevelCode>
          <connectionDriver>net.sourceforge.jtds.jdbc.Driver</connectionDriver>
          <connectionPath/>
          <connectionString>jdbc:jtds:sqlserver://:1433</connectionString>
          <connectionTimeout>180</connectionTimeout>
          <connectionType>JDBC</connectionType>
          <connectionTypeCode>GENERICUSER</connectionTypeCode>
          <inheritChildSourceFilters>false</inheritChildSourceFilters>
          <maxRows>10000</maxRows>
          <maximumConnections>5</maximumConnections>
          <minimumConnections>1</minimumConnections>
          <refreshTime>3</refreshTime>
          <sourceDescription/>
          <sourceId>70108</sourceId>
          <sourceName>c</sourceName>
          <sourceType>MSSQLSERVER</sourceType>
          <timezone>AUSTRALIA/SYDNEY</timezone>
          <userName/>
          <userPassword>cDahEHuTOrk=</userPassword>
        </datasources>
      </return>
    </ns2:remoteAdministrationCallResponse>
  </S:Body>
</S:Envelope>
```

```

</datasources>
<datasources>
  <accessLevelCode>UNSECURE</accessLevelCode>
  <connectionDriver>org.postgresql.Driver</connectionDriver>
  <connectionPath/>
  <connectionString>jdbc:postgresql://10.10.0.117:5432/employees</connectionString>
  <connectionTimeout>180</connectionTimeout>
  <connectionType>JDBC</connectionType>
  <connectionTypeCode>GENERICUSER</connectionTypeCode>
  <inheritChildSourceFilters>false</inheritChildSourceFilters>
  <maxRows>10000</maxRows>
  <maximumConnections>5</maximumConnections>
  <minimumConnections>1</minimumConnections>
  <refreshTime>3</refreshTime>
  <sourceDescription/>
  <sourceId>70101</sourceId>
  <sourceName>Oracle database</sourceName>
  <sourceType>POSTGRESQL</sourceType>
  <timezone>AUSTRALIA/SYDNEY</timezone>
  <userName>postgres</userName>
  <userPassword>6monvQ6/nGZMnqeG1K/yEw==</userPassword>
</datasources>
<datasources>
  <accessLevelCode>UNSECURE</accessLevelCode>
  <connectionDriver>oracle.jdbc.OracleDriver</connectionDriver>
  <connectionPath/>
  <connectionString>jdbc:oracle:thin:@10.10.5.184:1521:orcl</connectionString>
  <connectionTimeout>180</connectionTimeout>
  <connectionType>JDBC</connectionType>
  <connectionTypeCode>GENERICUSER</connectionTypeCode>
  <inheritChildSourceFilters>false</inheritChildSourceFilters>
  <maxRows>10000</maxRows>
  <maximumConnections>5</maximumConnections>
  <minimumConnections>1</minimumConnections>
  <refreshTime>3</refreshTime>
  <sourceDescription/>
  <sourceId>70109</sourceId>
  <sourceName>Oracle</sourceName>
  <sourceType>ORACLE</sourceType>
  <timezone>AUSTRALIA/SYDNEY</timezone>
  <userName>bjjin</userName>
  <userPassword>FKpY9TvYog7WT9ZdYhoCUg==</userPassword>
</datasources>
<datasources>
  <accessLevelCode>UNSECURE</accessLevelCode>
  <connectionDriver>net.sourceforge.jtds.jdbc.Driver</connectionDriver>
  <connectionPath/>
  <connectionString>jdbc:jtds:sqlserver://:1433/</connectionString>
  <connectionTimeout>180</connectionTimeout>
  <connectionType>JDBC</connectionType>
  <connectionTypeCode>GENERICUSER</connectionTypeCode>
  <inheritChildSourceFilters>false</inheritChildSourceFilters>
  <maxRows>10000</maxRows>
  <maximumConnections>5</maximumConnections>
  <minimumConnections>1</minimumConnections>
  <refreshTime>3</refreshTime>
  <sourceDescription/>
  <sourceId>70110</sourceId>
  <sourceName>f</sourceName>
  <sourceType>MSSQLSERVER</sourceType>
  <timezone>AUSTRALIA/SYDNEY</timezone>
  <userName/>
  <userPassword>cDahEHuTOrk=</userPassword>
</datasources>
<errorCode>0</errorCode>
<messages>Successfully Authenticated User: admin@yellowfin.com.au</messages>
<messages>Web Service Request Complete</messages>
<sessionId>8dbd54ecedc55238ece1408713fbc692</sessionId>
<statusCode>SUCCESS</statusCode>
</return>
</ns2:remoteAdministrationCallResponse>

```

```
</S:Body>
</S:Envelope>
```

## Java

- web

```
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));

rsr.setFunction("LISTDATASOURCES");
```

- Base64util

```
byte[] lic = com.hof.util.Base64.decode("Base64 Encoded String of licence file");
rsr.setBinaryData(lic);
```

- 

```
AdministrationServiceResponse rs = adminService.remoteAdministrationCall(rsr);
```

web

- StatusCode

## web

1. **ws\_listdatasources.jsp**
2. rootYellowfin/appserver/webapps/ROOT
- 3.
4. **http://<host>:<port>/ws\_listdatasources.jsp**

```

<%
/*      ws_listdatasources.jsp      */
%>
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<%@ page import="com.hof.util.*, java.util.*, java.text.*" %>
<%@ page import="com.hof.web.form.*" %>
<%@ page import="com.hof.mi.web.service.*" %>
<%

AdministrationServiceResponse rs = null;
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
AdministrationServiceService ts = new AdministrationServiceServiceLocator("localhost", 8080, "/services
/AdministrationService", false);
AdministrationServiceSoapBindingStub rssbs = (AdministrationServiceSoapBindingStub) ts.
getAdministrationService();

rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));
rsr.setFunction("LISTDATASOURCES");

rs = rssbs.remoteAdministrationCall(rsr);

if ("SUCCESS".equals(rs.getStatusCode())) {

    out.write("<table>");
    out.write("<tr>");
    out.write("<th>Source ID</th><th>Source Name</th>");
    out.write("</tr>");
    for (AdministrationDataSource administrationDataSource: rs.getDatasources()) {
        out.write("<tr>");
        out.write("<td>" + administrationDataSource.getSourceId() + "</td><td>" + administrationDataSource.
getSourceName() + "</td>");
        out.write("</tr>");
    }
    out.write("</table>");

} else {
    out.write(rs.getStatusCode());
    out.write(rs.toString());
}
%>

```

webID

|          |         |   |
|----------|---------|---|
|          |         |   |
| LoginId  | String  | Yellowfin WebIDIDID<br>Yellowfin <b>Yellowfin Web</b> |
| Password | String  |   |
| OrgId    | Integer | YellowfinID1  |
| Function | String  | Web <b>LOADDATASOURCE</b>                             |
| Sourceld | Integer | ID  |
| OrgRef   | String  | ID  |

SOAP XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservices.web.mi.hof.com/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:remoteAdministrationCall>
      <arg0>
        <loginId>admin@yellowfin.com.au</loginId>
        <password>test</password>
        <orgId>1</orgId>
        <function>LOADDATASOURCE</function>
        <sourceId>54701</sourceId>
      </arg0>
    </web:remoteAdministrationCall>
  </soapenv:Body>
</soapenv:Envelope>
```

|                   |  |   |
|-------------------|--|---|
|                   |  |   |
| StatusCode        | String                                     | Web <ul style="list-style-type: none"><li>• SUCCESS</li><li>• FAILURE</li></ul> |
| LoadedDataSources | <a href="#">AdministrationDataSource[]</a> |   |

SOAP

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:remoteAdministrationCallResponse xmlns:ns2="http://webservices.web.mi.hof.com/">
      <return>
        <errorCode>0</errorCode>
        <loadedDataSource>
          <accessLevelCode>UNSECURE</accessLevelCode>
          <connectionDriver>org.hsqldb.jdbcDriver</connectionDriver>
          <connectionString>jdbc:hsqldb:file:/Applications/Yellowfin 7.4 86/data/configdb;shutdown=true<
/connectionString>
          <connectionTimeout>180</connectionTimeout>
          <connectionType>JDBC</connectionType>
          <connectionTypeCode>GENERICUSER</connectionTypeCode>
          <inheritChildSourceFilters>false</inheritChildSourceFilters>
          <maxRows>10000</maxRows>
          <maximumConnections>5</maximumConnections>
          <minimumConnections>1</minimumConnections>
          <refreshTime>3</refreshTime>
          <sourceDescription/>
          <sourceId>54701</sourceId>
          <sourceName>Yellowfin Configuration Database</sourceName>
          <sourceOptions>
            <optionKey>ISOLATIONLEVEL</optionKey>
            <optionValue>1.0</optionValue>
            <valueDataType>1</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>USESCHEMA</optionKey>
            <optionValue>true</optionValue>
            <valueDataType>6</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>YF_DRIVER_SELECTION</optionKey>
            <optionValue>org.hsqldb.jdbc.JDBCdriver</optionValue>
            <valueDataType>2</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>CONNECTIONSTRING</optionKey>
            <optionValue>jdbc:hsqldb:file:/Applications/Yellowfin 7.4 86/data/configdb;shutdown=true<
/optionValue>
            <valueDataType>2</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>USEFETCHSIZE</optionKey>
            <optionValue>false</optionValue>
            <valueDataType>6</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>FETCHSIZE</optionKey>
            <optionValue/>
            <valueDataType>2</valueDataType>
          </sourceOptions>
          <sourceType>GENERICJDBC</sourceType>
          <timezone>AUSTRALIA/SYDNEY</timezone>
          <userName>SA</userName>
          <userPassword>cDahEHuTOrk=</userPassword>
        </loadedDataSource>
        <messages>Successfully Authenticated User: admin@yellowfin.com.au</messages>
        <messages>Web Service Request Complete</messages>
        <sessionId>6e8fa3d3c3789cef6f6c048d98alf6a4</sessionId>
        <statusCode>SUCCESS</statusCode>
      </return>
    </ns2:remoteAdministrationCallResponse>
  </S:Body>
</S:Envelope>

```

## Java

- web

```
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));

rsr.setFunction("LISTDATASOURCE");
```

- Base64util

```
byte[] lic = com.hof.util.Base64.decode("Base64 Encoded String of licence file");
rsr.setBinaryData(lic);
```

- 

```
AdministrationServiceResponse rs = adminService.remoteAdministrationCall(rsr);
```

web

- StatusCode

## web

1. **ws\_loaddatasource.jsp**
2. rootYellowfin/appserver/webapps/ROOT
- 3.
4. **http://<host>:<port>/ws\_loaddatasource.jsp**



```

<%
/*      ws_loaddatasource.jsp      */
%>
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<%@ page import="com.hof.util.*, java.util.*, java.text.*" %>
<%@ page import="com.hof.web.form.*" %>
<%@ page import="com.hof.mi.web.service.*" %>
<%

AdministrationServiceResponse rs = null;
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
AdministrationServiceService ts = new AdministrationServiceServiceLocator("localhost", 8080, "/services
/AdministrationService", false);
AdministrationServiceSoapBindingStub rssbs = (AdministrationServiceSoapBindingStub) ts.
getAdministrationService();

rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));
rsr.setFunction("LOADDATASOURCE");
rsr.setSourceId(54700);
rs = rssbs.remoteAdministrationCall(rsr);

if ("SUCCESS".equals(rs.getStatusCode())) {

    out.write("<table>");
    out.write("<tr>");
    out.write("<th>Source ID</th><th>Source Name</th>");
    out.write("</tr>");
    for (AdministrationDataSource administrationDataSource: rs.getDataSources()) {
        out.write("<tr>");
        out.write("<td>" + administrationDataSource.getSourceId() + "</td><td>" + administrationDataSource.
getSourceName() + "</td>");
        out.write("</tr>");
    }
    out.write("</table>");

} else {
    out.write(rs.getStatusCode());
    out.write(rs.toString());
}
%>

```

webYellowfinAdministrationDataSourceNull

```

<loginId>clientOrgUser@yellowfin.com.au</loginId>
<password>test</password>
<orgId>1</orgId>
<orgRef>clientOrgRef</orgRef>
<function>SAVEDATASOURCE</function>...

```


|          |        |   |
|----------|--------|---|
|          |        |   |
| LoginId  | String | Yellowfin WebIDID<br>YellowfinYellowfin Web |
| Password | String |   |

|            |  |                           |
|------------|--|---------------------------|
| OrgId      | Integer                                  | YellowfinID1              |
| Function   | String                                   | Web <b>SAVEDATASOURCE</b> |
| Datasource | <a href="#">AdministrationDataSource</a> |                           |
| OrgRef     | String                                   | IDSourceID                |

**AdministrationDataSource**

|                           |  |              |
|---------------------------|--|--------------|
|                           |  |              |
| AccessLevelCode           | String   |              |
| ClientSources             | <a href="#">AdministrationDataSourceClientLink</a> |              |
| ConnectionDriver          | String   |              |
| ConnectionPath            | String   |              |
| ConnectionString          | String   |              |
| ConnectionTimeout         | Integer  |              |
| ConnectionType            | String   | JDBC         |
| ConnectionTypeCode        | String   |              |
| InheritChildSourceFilters | Boolean  |              |
| LogFile                   | String   |              |
| MaxRows                   | Integer  |              |
| MaximumConnections        | Integer  |              |
| MinimumConnections        | Integer  |              |
| RefreshTime               | Integer  |              |
| SourceDescription         | String   |              |
| SourceId                  | Integer  | Yellowfin ID |
| SourceName                | String   |              |
| SourceOptions             | <a href="#">AdministrationDataSourceOption</a>     |              |
| SourceType                | String   | MySQLOracle  |
| Timezone                  | String   |              |
| UserName                  | String   |              |
| UserPassword              | String   |              |

**AdministrationDataSourceOption**

 **AdministrationDataSourceOption**YellowfinLOADDATASOURCE

|               |        |
|---------------|--------|
|               |        |
| OptionKey     | String |
| OptionValue   | String |
| ValueDataType | String |

## SOAP XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservices.web.mi.hof.com/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:remoteAdministrationCall>
      <arg0>
        <loginId>admin@yellowfin.com.au</loginId>
        <password>test</password>
        <orgId>1</orgId>
        <function>SAVEDATASOURCE</function>
        <datasource>
          <accessLevelCode>UNSECURE</accessLevelCode>
          <connectionDriver>com.mysql.jdbc.Driver</connectionDriver>
          <connectionPath/>
          <connectionString>jdbc:mysql://localhost:3306/default</connectionString>
          <connectionTimeout>180</connectionTimeout>
          <connectionType>JDBC</connectionType>
          <connectionTypeCode>GENERICUSER</connectionTypeCode>
          <inheritChildSourceFilters>false</inheritChildSourceFilters>
          <maxRows>10000</maxRows>
          <maximumConnections>5</maximumConnections>
          <minimumConnections>1</minimumConnections>
          <refreshTime>3</refreshTime>
          <sourceDescription/>
          <sourceName>Default</sourceName>
          <sourceOptions>
            <optionKey>ISOLATIONLEVEL</optionKey>
            <optionValue>1</optionValue>
            <valueDataType>1</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>USESCHEMA</optionKey>
            <optionValue>true</optionValue>
            <valueDataType>6</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>HOSTNAME</optionKey>
            <optionValue>localhost</optionValue>
            <valueDataType>2</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>PORT</optionKey>
            <optionValue>3306</optionValue>
            <valueDataType>1</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>DATABASE</optionKey>
            <optionValue>default</optionValue>
            <valueDataType>2</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>USEFETCHSIZE</optionKey>
            <optionValue>false</optionValue>
            <valueDataType>6</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>FETCHSIZE</optionKey>
            <optionValue/>
            <valueDataType>2</valueDataType>
          </sourceOptions>
          <sourceOptions>
            <optionKey>YF_DRIVER_SELECTION</optionKey>
            <optionValue>com.mysql.jdbc.Driver</optionValue>
            <valueDataType>2</valueDataType>
          </sourceOptions>
          <sourceType>MYSQL</sourceType>
          <timezone>AUSTRALIA/SYDNEY</timezone>
          <userName>root</userName>
        </datasource>
      </arg0>
    </web:remoteAdministrationCall>
  </soapenv:Body>
</soapenv:Envelope>
```

```

        <userPassword>root</userPassword>
    </datasource>
</arg0>
</web:remoteAdministrationCall>
</soapenv:Body>
</soapenv:Envelope>

```

| StatusCode        | String                                   | Web <ul style="list-style-type: none"> <li>• SUCCESS</li> <li>• FAILURE</li> </ul> |
|-------------------|--|--|
| LoadedDataSources | <a href="#">AdministrationDataSource</a> |  |

## SOAP

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:remoteAdministrationCallResponse xmlns:ns2="http://webservices.web.mi.hof.com/">
      <return>
        <errorCode>0</errorCode>
        <loadedDataSource>
          <accessLevelCode>UNSECURE</accessLevelCode>
          <connectionDriver>com.mysql.jdbc.Driver</connectionDriver>
          <connectionPath/>
          <connectionString>jdbc:mysql://localhost:3306/default</connectionString>
          <connectionTimeout>180</connectionTimeout>
          <connectionType>JDBC</connectionType>
          <connectionTypeCode>GENERICUSER</connectionTypeCode>
          <inheritChildSourceFilters>false</inheritChildSourceFilters>
          <maxRows>10000</maxRows>
          <maximumConnections>5</maximumConnections>
          <minimumConnections>1</minimumConnections>
          <refreshTime>3</refreshTime>
          <sourceDescription/>
          <sourceId>74374</sourceId>
          <sourceName>Default</sourceName>
          <sourceType>MYSQL</sourceType>
          <timezone>AUSTRALIA/SYDNEY</timezone>
          <userName>root</userName>
          <userPassword>kOjvh+lsaec=</userPassword>
        </loadedDataSource>
        <messages>Successfully Authenticated User: admin@yellowfin.com.au</messages>
        <messages>Web Service Request Complete</messages>
        <sessionId>5bcaabd9865824d45b1768eddb21c99e</sessionId>
        <statusCode>SUCCESS</statusCode>
      </return>
    </ns2:remoteAdministrationCallResponse>
  </S:Body>
</S:Envelope>

```

- web

```
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));

rsr.setFunction("SAVEDATASOURCE");
```

- 

```
AdministrationDataSource source = new AdministrationDataSource();

source.setAccessLevelCode("UNSECURE");
source.setConnectionDriver("com.mysql.jdbc.Driver");
source.setConnectionPath("");
source.setConnectionString("jdbc:mysql://localhost:3306/org1");
source.setConnectionTimeout(180);
source.setConnectionType("JDBC");
source.setConnectionTypeCode("GENERICUSER");
source.setInheritChildSourceFilters(false);
source.setMaxRows(10000);
source.setMaximumConnections(5);
source.setMinimumConnections(1);
source.setRefreshTime(3);
source.setSourceDescription("Org 1");
source.setSourceName("org1");
source.setSourceType("MYSQL");
source.setTimezone("AUSTRALIA/SYDNEY");
source.setUserName("root");
source.setUserPassword("root");
```

-

```

AdministrationDataSourceOption[] options = new AdministrationDataSourceOption[8];

options[0] = new AdministrationDataSourceOption();
options[0].setOptionKey("ISOLATIONLEVEL");
options[0].setOptionValue("1");
options[0].setValueDataType("1");

options[1] = new AdministrationDataSourceOption();
options[1].setOptionKey("USESCHEMA");
options[1].setOptionValue("true");
options[1].setValueDataType("6");

options[2] = new AdministrationDataSourceOption();
options[2].setOptionKey("HOSTNAME");
options[2].setOptionValue("localhost");
options[2].setValueDataType("2");

options[3] = new AdministrationDataSourceOption();
options[3].setOptionKey("PORT");
options[3].setOptionValue("3306");
options[3].setValueDataType("1");

options[4] = new AdministrationDataSourceOption();
options[4].setOptionKey("DATABASE");
options[4].setOptionValue("org1");
options[4].setValueDataType("2");

options[5] = new AdministrationDataSourceOption();
options[5].setOptionKey("USEFETCHSIZE");
options[5].setOptionValue("false");
options[5].setValueDataType("6");

options[6] = new AdministrationDataSourceOption();
options[6].setOptionKey("FETCHSIZE");
options[6].setOptionValue("");
options[6].setValueDataType("2");

options[7] = new AdministrationDataSourceOption();
options[7].setOptionValue("com.mysql.jdbc.Driver");
options[7].setValueDataType("2");

source.setSourceOptions(options);
rsr.setDatasource(source);

```

- 

```
AdministrationServiceResponse rs = adminService.remoteAdministrationCall(rsr);
```

web

- 

```

if ("SUCCESS".equals(rs.getStatusCode()) ) {
    out.write("<br>Success");
}
else {
    out.write("<br>Failure");
    out.write(" Code: " + rs.getErrorCode());
}

```

web

1. **ws\_savedatasource.jsp**
2. rootYellowfin/appserver/webapps/ROOT
- 3.
4. **http://<host>:<port>/ws\_savedatasource.jsp**

```
<%
/*          ws_savedatasource.jsp          */
%>
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<%@ page import="com.hof.util.*, java.util.*, java.text.*" %>
<%@ page import="com.hof.web.form.*" %>
<%@ page import="com.hof.mi.web.service.*" %>
<%

AdministrationServiceService s_admin = new AdministrationServiceServiceLocator("localhost",8080, "/services
/AdministrationService", false);          // adjust host and port number
AdministrationServiceSoapBindingStub adminService = (AdministrationServiceSoapBindingStub) s_admin.
getAdministrationService();
AdministrationServiceRequest rsr = new AdministrationServiceRequest();

rsr.setLoginId("admin@yellowfin.com.au");          // provide your Yellowfin web services admin account
rsr.setPassword("test");                          // change to the password of the account above
rsr.setOrgId(1);
rsr.setFunction("SAVEDATASOURCE");

AdministrationDataSource source = new AdministrationDataSource();

source.setAccessLevelCode("UNSECURE");
source.setConnectionDriver("com.mysql.jdbc.Driver");
source.setConnectionPath("");
source.setConnectionString("jdbc:mysql://localhost:3306/org1");
source.setConnectionTimeout(180);
source.setConnectionType("JDBC");
source.setConnectionTypeCode("GENERICUSER");
source.setInheritChildSourceFilters(false);
source.setMaxRows(10000);
source.setMaximumConnections(5);
source.setMinimumConnections(1);
source.setRefreshTime(3);
source.setSourceDescription("Org 1");
source.setSourceName("org1");
source.setSourceType("MYSQL");
source.setTimezone("AUSTRALIA/SYDNEY");
source.setUserName("root");
source.setUserPassword("root");

AdministrationDataSourceOption[] options = new AdministrationDataSourceOption[8];

options[0] = new AdministrationDataSourceOption();
options[0].setOptionKey("ISOLATIONLEVEL");
options[0].setOptionValue("1");
options[0].setValueDataType("1");

options[1] = new AdministrationDataSourceOption();
options[1].setOptionKey("USESCHEMA");
options[1].setOptionValue("true");
options[1].setValueDataType("6");

options[2] = new AdministrationDataSourceOption();
options[2].setOptionKey("HOSTNAME");
options[2].setOptionValue("localhost");
options[2].setValueDataType("2");
```

```

options[3] = new AdministrationDataSourceOption();
options[3].setOptionKey("PORT");
options[3].setOptionValue("3306");
options[3].setValueDataType("1");

options[4] = new AdministrationDataSourceOption();
options[4].setOptionKey("DATABASE");
options[4].setOptionValue("org1");
options[4].setValueDataType("2");

options[5] = new AdministrationDataSourceOption();
options[5].setOptionKey("USEFETCHSIZE");
options[5].setOptionValue("false");
options[5].setValueDataType("6");

options[6] = new AdministrationDataSourceOption();
options[6].setOptionKey("FETCHSIZE");
options[6].setOptionValue("");
options[6].setValueDataType("2");

options[7] = new AdministrationDataSourceOption();
options[7].setOptionValue("com.mysql.jdbc.Driver");
options[7].setValueDataType("2");

source.setSourceOptions(options);
rsr.setDatasource(source);

AdministrationServiceResponse rs = adminService.remoteAdministrationCall(rsr);

if ("SUCCESS".equals(rs.getStatusCode()) ) {
    out.write("<br>Success");
}
else {
    out.write("<br>Failure");
    out.write(" Code: " + rs.getErrorCode());
}
%>

```

web

|                  |  |   |
|------------------|--|---|
|                  |  |   |
| LoginId          | String   | Yellowfin WebIDID<br>Yellowfin <b>Yellowfin Web</b> |
| Password         | String   |   |
| OrgId            | Integer  | YellowfinID1  |
| Function         | String   | Web <b>LINKDATASOURCE</b>                           |
| SourceId         | Integer  | ID  |
| SourceClientLink | <a href="#">AdministrationDataSourceClientLink</a> | ID  |

AdministrationDataSourceClientLink

|             |         |  |
|-------------|---------|--|
|             |         |  |
| ClientOrgId | Integer |  |



|              |         |  |
|--------------|---------|--|
| ClientOrgRef | String  |  |
| SourceId     | Integer |  |

## SOAP XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservices.web.mi.hof.com/">
  <soapenv:Header/>
  <soapenv:Body>
    <web:remoteAdministrationCall>
      <arg0>
        <loginId>admin@yellowfin.com.au</loginId>
        <password>test</password>
        <orgId>1</orgId>
        <function>LINKDATASOURCE</function>
        <sourceId>74374</sourceId>
        <sourceClientLink>
          <sourceId>74376</sourceId>
        </sourceClientLink>
      </arg0>
    </web:remoteAdministrationCall>
  </soapenv:Body>
</soapenv:Envelope>
```

|                   |                          |  |
|-------------------|--------------------------|--|
|                   |                          |  |
| StatusCode        | String                   | Web <ul style="list-style-type: none"> <li>• SUCCESS</li> <li>• FAILURE</li> </ul> |
| LoadedDataSources | AdministrationDataSource |  |

## SOAP

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ns2:remoteAdministrationCallResponse xmlns:ns2="http://webservices.web.mi.hof.com/">
      <return>
        <errorCode>0</errorCode>
        <loadedDataSource>
          <accessLevelCode>UNSECURE</accessLevelCode>
        <clientSources>
          <clientOrgId>13004</clientOrgId>
          <clientOrgRef>org1</clientOrgRef>
          <sourceId>74376</sourceId>
        </clientSources>
        <connectionDriver>com.mysql.jdbc.Driver</connectionDriver>
        <connectionPath/>
        <connectionString>jdbc:mysql://localhost:3306/default</connectionString>
        <connectionTimeout>180</connectionTimeout>
        <connectionType>JDBC</connectionType>
        <connectionTypeCode>GENERICUSER</connectionTypeCode>
        <inheritChildSourceFilters>false</inheritChildSourceFilters>
        <maxRows>10000</maxRows>
        <maximumConnections>5</maximumConnections>
      </return>
    </ns2:remoteAdministrationCallResponse>
  </S:Body>
</S:Envelope>
```

```

        <minimumConnections>1</minimumConnections>
<refreshTime>3</refreshTime>
<sourceDescription/>
    <sourceId>74374</sourceId>
    <sourceName>Default</sourceName>
<sourceOptions>
    <optionKey>ISOLATIONLEVEL</optionKey>
    <optionValue>1</optionValue>
    <valueDataType>1</valueDataType>
</sourceOptions>
<sourceOptions>
    <optionKey>USESCHEMA</optionKey>
    <optionValue>true</optionValue>
    <valueDataType>6</valueDataType>
</sourceOptions>
<sourceOptions>
    <optionKey>HOSTNAME</optionKey>
    <optionValue>localhost</optionValue>
    <valueDataType>2</valueDataType>
</sourceOptions>
<sourceOptions>
    <optionKey>PORT</optionKey>
    <optionValue>3306</optionValue>
    <valueDataType>1</valueDataType>
</sourceOptions>
<sourceOptions>
    <optionKey>DATABASE</optionKey>
    <optionValue>default</optionValue>
    <valueDataType>2</valueDataType>
</sourceOptions>
<sourceOptions>
    <optionKey>USEFETCHSIZE</optionKey>
    <optionValue>false</optionValue>
    <valueDataType>6</valueDataType>
</sourceOptions>
<sourceOptions>
    <optionKey>FETCHSIZE</optionKey>
    <optionValue/>
    <valueDataType>2</valueDataType>
</sourceOptions>
<sourceOptions>
    <optionKey>VF_DRIVER_SELECTION</optionKey>
    <optionValue>com.mysql.jdbc.Driver</optionValue>
    <valueDataType>2</valueDataType>
</sourceOptions>
    <sourceType>MYSQL</sourceType>
    <timezone>AUSTRALIA/SYDNEY</timezone>
    <userName>root</userName>
    <userPassword>k0jvh+lsaec=</userPassword>
</loadedDataSource>
<messages>Successfully Authenticated User: admin@yellowfin.com.au</messages>
<messages>Web Service Request Complete</messages>
<sessionId>a8ea7db63b9b96bdcda9e0f9bba067d1</sessionId>
<statusCode>SUCCESS</statusCode>
</return>
</ns2:remoteAdministrationCallResponse>
</S:Body>
</S:Envelope>

```

Java

- web

```
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));

rsr.setFunction("LINKDATASOURCE");
```

- ID

```
rsr.setSourceId(74374);
```

- ID

```
AdministrationDataSourceClientLink link = new AdministrationDataSourceClientLink();
link.setSourceId(74376);
rsr.setSourceClientLink(link);
```

- 

```
AdministrationServiceResponse rs = adminService.remoteAdministrationCall(rsr);
```

web

- 

```
if ("SUCCESS".equals(rs.getStatusCode()) ) {
    out.write("<br>Success");
}
else {
    out.write("<br>Failure");
    out.write(" Code: " + rs.getErrorCode());
}
```

web

1. **ws\_linkdatasource.jsp**
2. rootYellowfin/appserver/webapps/ROOT
- 3.
4. **http://<host>:<port>/ws\_linkdatasource.jsp**

```

/*          ws_linkdatasource.jsp          */
%>
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<%@ page import="com.hof.util.*, java.util.*, java.text.*" %>
<%@ page import="com.hof.web.form.*" %>
<%@ page import="com.hof.mi.web.service.*" %>
<%

AdministrationServiceService s_admin = new AdministrationServiceServiceLocator("localhost",8080, "/services
/AdministrationService", false);          // adjust host and port number
AdministrationServiceSoapBindingStub adminService = (AdministrationServiceSoapBindingStub) s_admin.
getAdministrationService();
AdministrationServiceRequest rsr = new AdministrationServiceRequest();

rsr.setLoginId("admin@yellowfin.com.au");          // provide your Yellowfin web services admin account
rsr.setPassword("test");                          // change to the password of the account above
rsr.setOrgId(1);
rsr.setFunction("LINKDATASOURCE");

rsr.setSourceId(74374);
AdministrationDataSourceClientLink link = new AdministrationDataSourceClientLink();
link.setSourceId(74376);
rsr.setSourceClientLink(link);

AdministrationServiceResponse rs = adminService.remoteAdministrationCall(rsr);

if ("SUCCESS".equals(rs.getStatusCode()) ) {
    out.write("<br>Success");
}
else {
    out.write("<br>Failure");
    out.write(" Code: " + rs.getErrorCode());
}
%>

```

webYellowfinID

|            |          |   |
|------------|----------|---|
|            |          |   |
| LoginId    | String   | Yellowfin WebIDIDID<br>Yellowfin <b>Yellowfin Web</b> |
| Password   | String   |   |
| OrgId      | Integer  | YellowfinID1  |
| Function   | String   | Web <b>DELETESOURCE</b>                               |
| Parameters | String[] | ID  |

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

| StatusCode | String | Web  |
|------------|--------|--|
|            |        | <ul style="list-style-type: none"> <li>• SUCCESS</li> <li>• FAILURE</li> </ul> |

## Java

- web

```
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));

rsr.setFunction("DELETESOURCE");
```

- IDUUID

```
rsr.setParameters(new String[] {
    "40563"
});
```

- 

```
AdministrationServiceResponse rs = adminService.remoteAdministrationCall(rsr);
```

web

- StatusCode

## web

1. **ws\_deletesource.jsp**
2. rootYellowfin/appserver/webapps/ROOT
- 3.
4. **http://<host>:<port>/ws\_deletesource.jsp**

```

<%
/*          ws_deletesource.jsp          */
%>
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<%@ page import="com.hof.util.*, java.util.*, java.text.*" %>
<%@ page import="com.hof.web.form.*" %>
<%@ page import="com.hof.mi.web.service.*" %>

AdministrationServiceResponse rs = null;
AdministrationServiceRequest rsr = new AdministrationServiceRequest();
AdministrationServiceService ts = new AdministrationServiceServiceLocator("localhost", 8080, "/services
/AdministrationService", false);
AdministrationServiceSoapBindingStub rssbs = (AdministrationServiceSoapBindingStub) ts.
getAdministrationService();

rsr.setLoginId("admin@yellowfin.com.au");
rsr.setPassword("test");
rsr.setOrgId(new Integer(1));
rsr.setFunction("DELETESOURCE");

//Specify the data source to be deleted by providing its ID
rsr.setParameters(new String[] {
    "40567"
});

rs = rssbs.remoteAdministrationCall(rsr);

if ("SUCCESS".equals(rs.getStatusCode())) {
    out.write("Success </br>");
} else {
    out.write(rs.getStatusCode());
    out.write(rs.toString());
}

```