

web

YellowfinwebLISTDATASOURCESLOADDATASOURCESAVEDATASOURCE

webIDAdministrationDataSource

LoginId	String	Yellowfin WebIDIDID Yellowfin Yellowfin Web
Password	String	
OrgId	Integer	YellowfinID1
Function	String	Web LISTDATASOURCES
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 <ul style="list-style-type: none">• SUCCESS• FAILURE
DataSources	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>
        <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 Yellowfin Yellowfin Web
Password	String	
OrgId	Integer	YellowfinID1
Function	String	Web LOADDATASOURCE
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">• SUCCESS• FAILURE
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>
          <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 YellowfinYellowfin Web

Password	String	
OrgId	Integer	YellowfinID1
Function	String	Web SAVEDATASOURCE
Datasource	AdministrationDataSource	
OrgRef	String	IDSourceID

AdministrationDataSource

AccessLevelCode	String	
ClientSources	AdministrationDataSourceClientLink	
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	AdministrationDataSourceOption	
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>
        </datasource>
      </arg0>
    </web:remoteAdministrationCall>
  </soapenv:Body>
</soapenv:Envelope>
```

```

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

```

StatusCode	String	Web <ul style="list-style-type: none"> • SUCCESS • FAILURE
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>
          <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>k0jvh+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 Yellowfin Yellowfin Web
Password	String	
OrgId	Integer	YellowfinID1
Function	String	Web LINKDATASOURCE
SourceId	Integer	ID
SourceClientLink	AdministrationDataSourceClientLink	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"> • SUCCESS • FAILURE
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());
}
%>

```