

kbopubws-client (version 11.0.0)

Add these dependencies to your pom (in case you want to use logback, otherwise replace the last two dependencies by those for your preferred logging framework).

```
<dependency>
  <groupId>be.fgov.economie.kbopub</groupId>
  <artifactId>kbopub-wsclient</artifactId>
  <version>11.0.0</version>
</dependency>
<dependency>
  <groupId>org.slf4j</groupId>
  <artifactId>jcl-over-slf4j</artifactId>
  <version>${slf4j.version}</version>
  <scope>runtime</scope>
</dependency>
<dependency>
  <groupId>org.slf4j</groupId>
  <artifactId>slf4j-api</artifactId>
  <version>${slf4j.version}</version>
  <scope>compile</scope>
</dependency>
<dependency>
  <groupId>ch.qos.logback</groupId>
  <artifactId>logback-core</artifactId>
  <version>${logback.version}</version>
  <scope>runtime</scope>
</dependency>
<dependency>
  <groupId>ch.qos.logback</groupId>
  <artifactId>logback-classic</artifactId>
  <version>${logback.version}</version>
  <scope>runtime</scope>
</dependency>
```

add these properties to your pom

```
<properties>
  <logback.version>1.2.3</logback.version>
  <slf4j.version>1.7.25</slf4j.version>
</properties>
```

Configuration of the module

you have two possibilities

- create a kbopub-wsclient.properties file (in src/main/reources) with the following contents:

```
kbopubws.username=??? -> change it !
kbopubws.password=??? -> change it !
kbopubws.address=http://kbopub.economie.fgov.be/kbopubws110000/services/wsKBOPub?wsdl
```

- OR add these to your web.xml:

```
<env-entry>
  <description>The URL of the WSDL of the BCE Public Search webservice</description>
  <env-entry-name>kbopubws.address</env-entry-name>
  <env-entry-type>java.lang.String</env-entry-type>
  <env-entry-value>http://kbopub.economie.fgov.be/kbopubws110000/services/wsKBOPub?wsdl</env-entry-value>
</env-entry>
<env-entry>
  <description>The username to connect to the BCE Public Search webservice</description>
  <env-entry-name>kbopubws.username</env-entry-name>
  <env-entry-type>java.lang.String</env-entry-type>
  <env-entry-value>??</env-entry-value>
</env-entry>
<env-entry>
  <description>The password to connect to the BCE Public Search webservice</description>
  <env-entry-name>kbopubws.password</env-entry-name>
  <env-entry-type>java.lang.String</env-entry-type>
  <env-entry-value>??</env-entry-value>
</env-entry>
```

Example of a web service call:

```
SettingsService settingsService = SettingsService.getInstance();
String wsaddress = settingsService.getSetting("kbopubws.address");

WSKBOPubService webService = new WSKBOPubService(new URL(wsaddress), new QName(
    "http://economie.fgov.be/kbopub/webservices/v1", "WSKBOPubService"));
WSKBOPub service = webService.getWSKBOPub();

Holder < ReadEnterpriseReplyType > reply = new Holder < ReadEnterpriseReplyType >();
ReadEnterpriseRequestType request = new ReadEnterpriseRequestType();
RequestContextType requestContext = new RequestContextType();
Holder < ReplyContextType > replyContext = new Holder < ReplyContextType >();
// TODO replace the parameter by a generated uuid
requestContext.setId("a generated uuid");
requestContext.getLanguage().add("nl");
// 314595348L = KBO nummer van de FOD Economie
request.setEnterpriseNumber(314595348L);

service.readEnterprise(requestContext, request, reply, replyContext);

ReplyStatusType replyStatus = (ReplyStatusType) replyContext.value.getReplyStatus();

LOG.info("RESULT: Statuscode: " + replyStatus.getCode() + " " + replyStatus.getDescription() + ", KBOnr: " +
reply.value.getEnterprise().getNumber());
```

Servlet example

```
/**
 * Servlet implementation class MyServlet
 */
@WebServlet("/MyServlet")
public class MyServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    @WebServiceRef(wsdlLocation =
        "http://kbopub.economie.fgov.be/kbopubws110000/services/wskBOP?wsdl",
        value = WSKBOPubService.class)
    private WSKBOPub service;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public MyServlet() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
     * HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest req, HttpServletResponse response) throws ServletException,
        IOException {
        PrintWriter out = response.getWriter();
        response.setContentType("text/html");

        Holder < ReadEnterpriseReplyType > reply = new Holder < ReadEnterpriseReplyType >();
        ReadEnterpriseRequestType request = new ReadEnterpriseRequestType();
        RequestContextType requestContext = new RequestContextType();
        Holder < ReplyContextType > replyContext = new Holder < ReplyContextType >();
        requestContext.setId("ABCD");
        requestContext.getLanguage().add("nl");
        // 314595348L = Enterprise number of the FPS Economy, SMEs, Self-Employed and Energy
        request.setEnterpriseNumber(314595348L);

        service.readEnterprise(requestContext, request, reply, replyContext);

        ReplyStatusType replyStatus = (ReplyStatusType) replyContext.value.getReplyStatus();
        out.println("RESULT: Statuscode: " + replyStatus.getCode() + " " + replyStatus.getDescription()
            + ", KBOnr: " + reply.value.getEnterprise().getNumber());
    }
}
```

In this form the kbopubws.address parameter is not used and can be omitted from either the property or the web.xml file.

Another example (without using SettingsService)

```
@SuppressWarnings("rawtypes")
public static void main(String[] args) throws MalformedURLException {
    WSKBOPubService webService = new WSKBOPubService(new URL(WSADDRESS), new QName(
        "http://economie.fgov.be/kbopub/webservices/v1", "WSKBOPubService"));
    WSKBOPub service = webService.getWSKBOPub();
    BindingProvider bp = (BindingProvider) service;
    List < Handler > handlerChain = new ArrayList < Handler >();
    WSSSecurityHandler myHandler = new WSSSecurityHandler();
    myHandler.setUsername(USERNAME);
    myHandler.setPassword(PASSWORD);
    handlerChain.add(myHandler);
    bp.getBinding().setHandlerChain(handlerChain);

    Holder < ReadEnterpriseReplyType > reply = new Holder < ReadEnterpriseReplyType >();
    ReadEnterpriseRequestType request = new ReadEnterpriseRequestType();
    RequestContextType requestContext = new RequestContextType();
    Holder < ReplyContextType > replyContext = new Holder < ReplyContextType >();
    requestContext.setId("ABCD");
    requestContext.getLanguage().add("nl");
    // 314595348L = KBO nummer van de FOD Economie
    request.setEnterpriseNumber(314595348L);

    service.readEnterprise(requestContext, request, reply, replyContext);

    ReplyStatusType replyStatus = (ReplyStatusType) replyContext.value.getReplyStatus();

    LOG.info("RESULT: Statuscode: " + replyStatus.getCode() + " " + replyStatus.getDescription() + ", KBOnr: "
        + reply.value.getEnterprise().getNumber());
}
```

Remark:

WSADDRESS, USERNAME, PASSWORD are constants