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How to debug Java Services outside of webMethods

Tools

Added by [Robert Castaneda](#), last edited by [Robert Castaneda](#) on Nov 23, 2005

The following example shows how to run and debug Java services outside of webMethods. This can be useful to speed up development so that some developers do not even need to use the webMethods Developer to develop code, instead they can use their IDE's.

1. Run your service and save the pipeline locally to a file



In this example, I have saved it in **"c:\webMethods6\pipeline.xml "**

The pipeline.xml file contains the following data:

```
<?xml version="1.0" encoding="UTF-8"?>

<IDataXMLCoder version="1.0">
  <record javaclass="com.wm.util.Values">
    <value name="name">harry</value>
    <value name="address">indonesia</value>
    <value name="age">25</value>
  </record>
</IDataXMLCoder>
```

2. Add client.jar and server.jar to your classpath and set up a project in your ide.
3. Use IDataXMLCoder to be able to save and restore pipelines. In the below example, my service name was myTest and the main method is inside the same class. This is not optimal and should be moved into a <http://www.junit.org> test case, but will suffice for this example.

```
public static void main(String args[]) throws Exception{

    IData pipeline = new IDataXMLCoder().decode(new FileInputStream("C:/webMethods6/pipeline.xml"));
    myTest(pipeline);
}
```

4. For completeness, the myTest service is shown below.

```
public static final void myTest (IData pipeline)
    throws ServiceException
{
    // --- <<IS-START(myTest)>> ---
    // @subtype unknown
    // @sigtype java 3.5
    // [i] field:0:required name
    // [i] field:0:required address
    // [i] field:0:required age

    // pipeline
    IDataCursor pipelineCursor = pipeline.getCursor();
    String name = IDataUtil.getString( pipelineCursor, "name" );
    String address = IDataUtil.getString( pipelineCursor, "address" );
    String age = IDataUtil.getString( pipelineCursor, "age" );

        //do something useful with the data here...

    pipelineCursor.first();
    while (pipelineCursor.next()){

        System.out.println(pipelineCursor.getValue());
    }

    pipelineCursor.destroy();

    // pipeline

    // --- <<IS-END>> ---
}
```

None

1 Comment

**anboss**

Mar 20, 2007

The example is very much abstract. Could you please tell how to import the IDataXMLCoder in the java file so that i can debug my java code in Eclipse environment. Thanks in advance.