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Integrated Capture Points Guide

Apache CXF—Java Client

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Apache CXF—Java Client

To generate a Web Service Capture Point service proxy for Java use the `wsdl2java` tool:

```
wsdl2java -frontend jaxws21 -d <output directory> <WSDL URL>
```

For example:

```
wsdl2java -d c:\Temp\MyJSCClient
http://zoolander.us.int.genesyslab.com:10080/Genesys/Interaction/WSCP_812_zoo/
WebServiceCapturePoint?wsdl
```

The tool generates a set of files for the proxy.

Create a simple Java console application to ping the service:

```
import java.net.URL;
import javax.xml.ws.Holder;
import com.genesyslab.interaction.*;

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

        WebServiceCapturePoint service = new WebServiceCapturePoint(new
        URL("http://zoolander.us.int.genesyslab.com:10080/Genesys/Interaction/WSCP_812_zoo/
        WebServiceCapturePoint/?WSDL"));

        IWebServiceCapturePoint cp = service.getIWebServiceCapturePointHttpBinding();

        KVPairValue val = new KVPairValue();

        val.setValueString("I am coming from CXF client");

        KVPair pair = new KVPair();

        pair.setKey("Source");
        pair.setValue(val);

        KVList extList = new KVList();

        extList.getKvitem().add(pair);

        Holder<KVList> extension = new Holder<KVList>(extList);

        Holder<String> eventTime = new Holder<String>();
        Holder<KVList> userData = new Holder<KVList>();
        Holder<KVList> pingInfo = new Holder<KVList>();

        cp.ping(extension, eventTime, userData, pingInfo);

        System.out.println("Ping response time:" + eventTime.value);
        printKVList("PingInfo", pingInfo.value);
        printKVList("UserData", userData.value);
        printKVList("Extension", extension.value);
    }

    public static void printKVList(String name, KVList kvList) {
        printKVList(name, kvList, "");
    }
}
```

```

    }
    private static void printKVList(String name, KVList kvList, String shift) {
        if (null == kvList) {
            System.out.println(shift + name + "[KVList]=null");
        } else {
            System.out.println(shift + name + "[KVList]=");

            for (KeyValuePair pair : kvList.getKvitem()) {
                KeyValuePair value = pair.getValue();

                if (value.getValueInt() != null) {
                    System.out.println(shift + "\t" + pair.getKey() + "[int]="
                        + value.getValueInt());
                } else if (null != value.getValueList()) {
                    printKVList(pair.getKey(), value.getValueList(), shift
                        + "\t");
                } else {
                    System.out.println(shift + "\t" + pair.getKey()
                        + "[string]=" + value.getValueString());
                }
            }
        }
    }
}

```