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Integrated Capture Points Guide

Generate Service Proxy with `wsimport`

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Generate Service Proxy with wsimport

Start

To generate a Web Service Capture Point service proxy for Java, use the `wsimport` utility, which is included in JDK:

```
wsimport -d <output directory> <WSDL URL>
```

For example:

```
wsimport -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.namespace.QName;  
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"), new  
        QName("http://www.genesyslab.com/interaction", "WebServiceCapturePoint"));  
        IWebServiceCapturePoint cp = service.getIWebServiceCapturePointHttpBinding();  
  
        KeyValuePair val = new KeyValuePair();  
  
        val.setValueString("I am coming from JAXWS client");  
  
        KeyValuePair pair = new KeyValuePair();  
  
        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());
            }
        }
    }
}
}
```

End