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JAX-WS : wsimport tool example

By mkyong (<http://www.mkyong.com/author/mkyong/>) | December 31, 2010 | Updated : August 29, 2012 | Viewed : 514,688 times +1,790 pv/w

The `wsimport` tool is used to parse an existing Web Services Description Language (WSDL) file and generate required files (JAX-WS portable artifacts) for web service client to access the published web services. This `wsimport` tool is available in the `$JDK/bin` folder.

Use Case

An common use case of this `wsimport` tool.



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1. Server – Published web service – WSDL file.

The CompA has published a web service along with a WSDL file at URL : `http://compA.com/ws/server?wsdl`

1 Кодишь, но не работаешь у нас? - Ты странный.

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2. Client – Access the published service.

For CompB, to develop a web service client to access the CompA published web service, they can use `wsimport` tool to parse CompA's WSDL file and generate files (JAX-WS portable artifacts) to access CompA's published service.

Command : wsimport command to parse CompA WSDL file

```
C:\>wsimport -keep -verbose http://compA.com/ws/server?wsdl
parsing WSDL...

generating code...
com\mkyong\ws\ServerInfo.java
com\mkyong\ws\ServerInfoImplService.java
```

Note

For complete example, please visit this JAX-WS hello world example (<http://www.mkyong.com/webservices/jax-ws/jax-ws-hello-world-example/>) article, refer to the section "2. Java Web Service Client via `wsimport` tool".

For other use cases or usages, please visit reference links below.

References

1. Metro : `wsimport` tool (<http://jax-ws.java.net/jax-ws-ea3/docs/wsimport.html>)
2. IBM – `wsimport` command for JAX-WS applications. (http://publib.boulder.ibm.com/infocenter/wasinfo/v6r1/index.jsp?topic=/com.ibm.websphere.wsfepl.multiplatform.doc/info/ae/ae/rwbs_wsimport.html)

Tags : [jax-ws \(http://www.mkyong.com/tag/jax-ws/\)](http://www.mkyong.com/tag/jax-ws/) [soap \(http://www.mkyong.com/tag/soap/\)](http://www.mkyong.com/tag/soap/) [web services \(http://www.mkyong.com/tag/web-services/\)](http://www.mkyong.com/tag/web-services/) [wsimport \(http://www.mkyong.com/tag/wsimport/\)](http://www.mkyong.com/tag/wsimport/)

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15

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mkyong

Founder of Mkyong.com (<http://mkyong.com>), love Java and open source stuff. Follow him on Twitter (<https://twitter.com/mkyong>), or befriend him on Facebook (<http://www.facebook.com/java.tutorial>) or Google Plus (<https://plus.google.com/110948163568945735692?rel=author>). If you like my tutorials, consider make a donation to these charities (<http://www.mkyong.com/blog/donate-to-charity/>).

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Govindh G

Hi,

Guest

i have followed your steps C:>wsimport -keep -verbose http://compA.com/ws/server?wsdl (http://compA.com/ws/server?wsdl) and i got java files.

But when i call webservice method it throws below exception

javax.xml.ws.soap.SOAPFaultException: Missing required SOAP header.

at com.sun.xml.internal.ws.fault.SOAP11Fault.getProtocolException(SOAP11Fault.java:178)

at com.sun.xml.internal.ws.fault.SOAPFaultBuilder.createException(SOAPFaultBuilder.java:119)

at com.sun.xml.internal.ws.client.sei.SyncMethodHandler.invoke(SyncMethodHandler.java:108)

at com.sun.xml.internal.ws.client.sei.SyncMethodHandler.invoke(SyncMethodHandler.java:78)

at com.sun.xml.internal.ws.client.sei.SEIStub.invoke(SEIStub.java:107)

at \$Proxy36.queryCSV(Unknown Source)

at fromcmdrightnow.Class1.getContactSample(Class1.java:90)

at fromcmdrightnow.Class1.main(Class1.java:31)

How to add soap header without using axis2 jar.

Note : I have to call soapheader method but i dont want use axis2 jar. is there any possible?

Thanks Govindh



🕒 3 years 9 months ago



abel

Guest

Hi. wsimport is only for the side client?



🕒 5 months 8 days ago



Jon Inazio

Guest

How to generate client stubs from more than one WSDL that have some objects in common? I'm trying to overcome this problem, as ObjectFactory gets overwritten. Thanks !!



🕒 10 months 11 days ago



ravitej reddy

Guest

Hi i have genrated the client but i am unable to generate its helper classes like helper.class ser.class and desrv.class files ... Can you please help on this



🕒 2 years 6 months ago



zen

Guest

Can you tell me where I might have gone wrong or a way to debug this.

C:\newfolder2>wsimport -keep C:\Users\ssjangoan\Desktop\ppwsdl.xml

parsing WSDL...

[ERROR] found unexpected non-whitespace text: "áááá"

Failed to parse the WSDL.



🕒 2 years 9 months ago



hadi

Guest

how to generate server stubs from wsdl?



🕒 2 years 9 months ago



Meg07

Guest

How can we access a wsdl of a soap project whose war is deployed on the same server, by a Rest based project using spring maven.

Basically , I have to access an API that is exposed via wsdl and I have to access this API, the response than needs to be returned as json from a rest POST method. It will be like a REST post method, accepting the inputs and invoking this API (from wsdl) and manipulating the response as JSON,

Thanks in advance,



3 years 1 month ago



Praveen

Im learning jax ws

Guest

im working with jdk 1.5 .6 22update

wsimport command is not working while creating jax-b binding classes in provider side



3 years 9 months ago



KVR

Hi,

Guest

I am facing below error while parsing WSDL file in to java classes. Could you please help me to resolve this issue.

[ERROR] Failed to read the WSDL document: <http://www.xignite.com/xcurrencies.asm> (<http://www.xignite.com/xcurrencies.asm>)
x?WSDL, because 1) could not find the document; /2) the document could not be read; 3) the root element of the document is not .
unknown location.

Thanks,

KVR



4 years 1 month ago



Yogendra Rampuria (<http://yogendra.me/>)

Guest

Try <http://www.xignite.com/xcurrencies.asmx?wsdl> (<http://www.xignite.com/xcurrencies.asmx?wsdl>). i think you are missing an 'x' at the end. And also, this looks like a paid service, so you have to ensure that your account is configured properly



4 years 1 month ago



Yogi (<http://yogendra.me>)

Guest

I arrived on this post looking for a way to use proxy for internal (intranet) URLs and skip proxy for external URLs (w3c.com) using the wsimport.exe (part of JDK 1.6, 1.7,etc). I see that it does not have the facility to put nonProxyHosts, so I went ahead and used Java class invocations.

Something like this

```
java -Dhttp.proxyHost=proxyServer -Dhttp.proxyPort=9000 -Dhttp.nonProxyHosts="localhost|other-maching-on-lan|*.intranet-domain" -  
classpath %JAVA_HOST%\lib\tools.jar com.sun.tools.internal.ws.Wsimport -p com.ws.client.pkg http://my-internal-domain/endpoint?wsdl  
(http://my-internal-domain/endpoint?wsdl)
```



4 years 6 months ago



vexed man

Guest

Hello I want to generate classes from wsdl file provided to me. I tried to use 1. wsimport: (output) Schema descriptor

{<http://somename>}SomeFile in message part "parameters" is not defined and could not be bound to Java. Perhaps the schema descriptor {<http://somename>}SomeFile is not defined in the schema imported/included in the WSDL. You can either add such imports/includes or run wsimport and provide the schema location using -b switch. line 17 of file:C:/SomeFile.wsdl 2. xjc (output) parsing a schema... compiling schema... 3 only axis2 wsdl2java generated me classes . My questions are, what could be the problem and what to do... Read more »



4 years 7 months ago



Shyam

Guest

using JAXB or use ANT task to create the the client components . so that you can bind your classes with annotation .



4 years 7 months ago



vexed man

Guest

If I understand correctly Your solution, I am not able to do this. All I have is .wsdl and schemas and i will not get another ones (I'm not owner of service and owner won't provide me another one generated with JAXB)



4 years 7 months ago



Guest

rebecca

(<http://www.slideshare.net/jeangraves837/thea-coupons-huge-savings>)

Greetings I am so thrilled I found your blog,
I really found you by mistake, while I was searching on Askjeeve for something
else, Regardless I am here now and would just like to say many
thanks for a incredible post and a all round interesting blog (I also love the
theme/design), I don't have time to go through it all at the
moment but I have saved it and also included your RSS feeds, so when I have time
I will be back to read a lot more, Please do keep up the superb b.



4 years 8 months ago



Guest

Jeff (<http://PredatorVI@gmail.com>)

I have a windows-based service I need to generate a client, but it requires authentication. I've gotten a successful call with my personal username/password using the -XauthFile option, but our "service" account password has special characters and I don't know how to encode it. I tried encoding the full URL but get an error parsing it. Do you have an example of how to encode the username/password of a URL in an authFile that will work with wsimport? I've been unsuccessful so far finding a working example.



4 years 11 months ago



Guest

hanane

hi , how do u use wsimport with -xauthfile
tnx



4 years 6 months ago



Guest

Calvin

How can we convert wsdl to JAR file using wsimport.exe? Thanks.



5 years 10 days ago



Guest

Calvin

How do we create convert the wsdl into a JAR file using wsimport?



5 years 10 days ago



Guest

Shyam

This may help you .

<http://abstractcoding.com/codingApp/showBlog?blogId=63> (<http://abstractcoding.com/codingApp/showBlog?blogId=63>)



4 years 7 months ago



Guest

Nik

how to generate equals() and hashCode() methods for the Type class using wsimport ?

I need to put Type object in ehcache. so need to implement equals() and hashCode() in Type object



5 years 15 days ago

**CypraxPuch**

Guest

How can i handle a java.util.HashMap in my web service as parameter.

I have my WS with a HashMap, but the props is always empty when i do the request from my client.

Example:

```
@WebService
public class MyServiceImpl implements MyService {

    @Override
    @WebMethod
    String searchProps(@WebParam(name="props") HashMap<String, String> props){

        if( props!=null && !props.isEmpty()){
            System.out.println("do something");
        }else{
            System.out.println("always is empty");
        }
    }
}
```



5 years 21 days ago ^

**CypraxPuch**

Guest

well, the solution was to make a wrapper for my java HashMap, and use it as my parameter.

```
public class MapWrapper {
    public HashMap<String, String> properties;
}

String searchProps(@WebParam(name="props") MapWrapper props){...}
```

thank you, any way!!!



5 years 21 days ago

**Azhar**

Guest

Thank you very much,I have a doubt

if wsdl file is available with us,

What is the option to generate the proxy with custom package structure

I have MyWsdL.wsdl , I want to generate the proxy , the generated classess into some package say com.myex.client.bidigs , could you please help me on this

Ex:-

wsimport -s src -d bin MyWsdL.wsdl

above command has generated the java files in src and class files in bin with some package structure I wanted to give my own , please suggest me how can i give.



5 years 3 months ago ^

**Surendra**

Guest

use -p option

-p com.org.proj



5 years 2 months ago

**Javabuddy**

Guest

Thanks a ton. I was struggling to find correct command for wsimport. Now m able to generate my wsdl docs.



5 years 4 months ago




JAX-WS Tutorial
(<http://www.mkyong.com/tutorials/jax-ws-tutorials/>)

[...] "TCP/IP Monitor" in Eclipse IDE, and also intercept the SOAP messages generated by web service.JAX-WS : wsimport tool example The wsimport tool is used to parse an existing Web Services Description Language (WSDL) file and [...]


 0 

 REPLY


6 years 5 months ago



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Mkyong

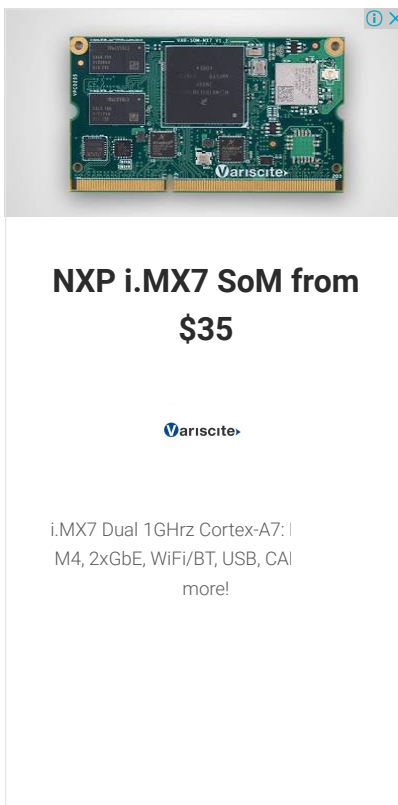
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