

Accessing SAP WAS via SOAP / xml-namespace problem

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hello everybody,

I want to call a method on a SAP WAS. For testing purposes, I do have the same method on two WASs. One of them has been updated recently. The wsdl-files of both are not identical from a text point of view, however, from the xml-point of view they are (one declares all types inline, the other by type-attributes and subsequent definition). so, no wonder at all, both of them result in identical c#-proxyclasses after applying the wsdl.exe.

the problem is, it works fine with one server, i.e. after calling 'invoke' in the proxyclass, I get an object array with two non-null elements, as expected. after calling the 2nd server the results array has two elements as well – but both are null.

the only difference is the namespace handling in the two returned soap-response documents, respectively.

it works if the response handles the response-namespaces without prefix:

```
[...]  
<Service.Response xmlns="urn:sap-com:document:sap:rfc:functions">  
[...]
```

it fails, if the Service.Response-element looks like this:

```
[...]  
<rfc:Service.Response  
xmlns:rfc="urn:sap-com:document:sap:rfc:functions">  
[...]
```

which is, IMHO, pretty strange as both cases should be similar from an xml-point of view (no other namespaces are declared in the child elements, and there are no siblings to this response element, so there is no reason for a namespace-confusion here...).

does anyone have an idea why this happens? to me, this looks like a bug in the machinery behind this invoke (WebServices.dll or

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something...).

and, regardless wether you have an idea why, maybe one of you has a solution to this problem (I do want to work without explicitly generating and sending soap-messages – I thought it'd be soo cool with wsdl and this stuff...).

thanks for reading and thinking...

stefan