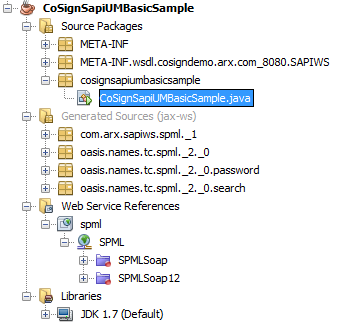
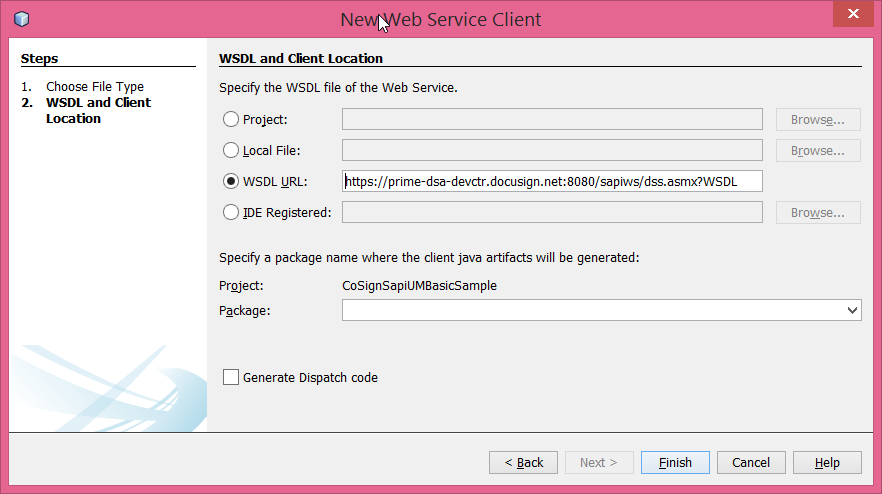
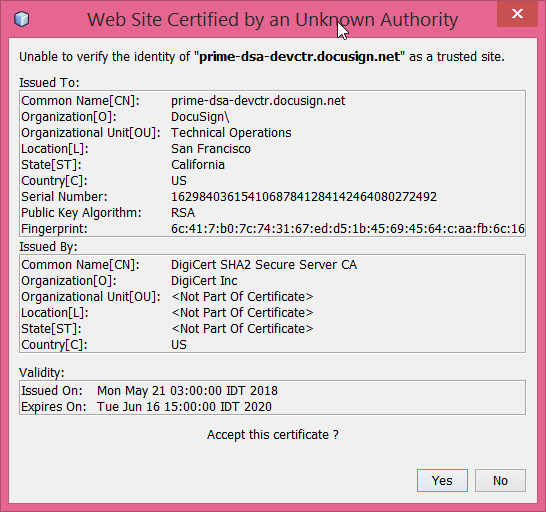
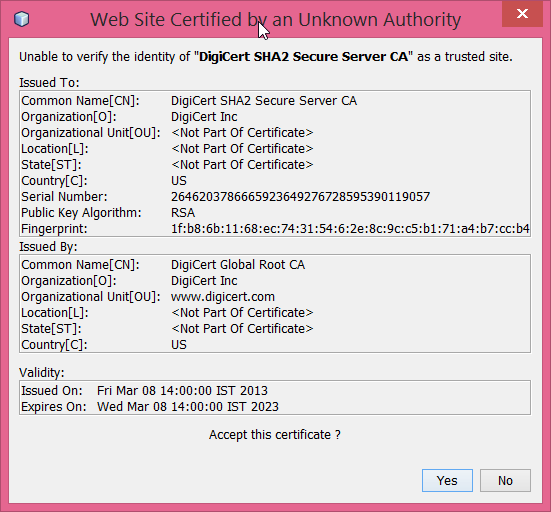
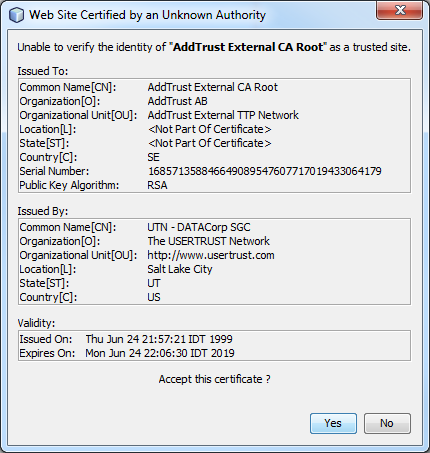
**CoSignSapiUMBasicSample**

The CoSignSapiUMBasicSample java code sample demonstrates how to fetch #n users from a CoSign Server using CoSign web services interface. The code sample resides in a Net Beans project. The code itself implements a simple console application that gets from the user (#n, admin\_user, admin\_user\_pass) and fetches the first #n users from the server. In the reminder of this document I describe how to add and configure the CoSign SapiUM web services reference in the project.

1. Net Beans final project layout  
   
2. How to add the CoSign web services reference to the project



1. The Net Beans IDE asks the programmer to accept the CoSign Server as a trusted site (adds its certificates to the JRE certificate store)  
     
   



1. The Net Beans IDE invokes the wsimport java tool to create the necessary stubs for the web services client. Here is the wsimport output:

ant -f "C:\\work\\CoSign\\APIs Enablement\\docusign\\docusign-signature-appliance-api-recipes\\dsa-soap\\Java-User-Management" wsimport-client-spml

init:

wsimport-init:

wsimport-client-spml:

Created dir: C:\work\CoSign\APIs Enablement\docusign\docusign-signature-appliance-api-recipes\dsa-soap\Java-User-Management\build\generated\jax-wsCache\spml

command line: wsimport -d "C:\work\CoSign\APIs Enablement\docusign\docusign-signature-appliance-api-recipes\dsa-soap\Java-User-Management\build\generated\jax-wsCache\spml" -extension -Xnocompile -Xendorsed -keep -s "C:\work\CoSign\APIs Enablement\docusign\docusign-signature-appliance-api-recipes\dsa-soap\Java-User-Management\build\generated\jax-wsCache\spml" -encoding UTF-8 -catalog "C:\work\CoSign\APIs Enablement\docusign\docusign-signature-appliance-api-recipes\dsa-soap\Java-User-Management\catalog.xml" -verbose "C:\work\CoSign\APIs Enablement\docusign\docusign-signature-appliance-api-recipes\dsa-soap\Java-User-Management\xml-resources\web-service-references\spml\wsdl\prime-dsa-devctr.docusign.net\_8080\sapiws\spml.asmx.wsdl" -wsdllocation https://prime-dsa-devctr.docusign.net:8080/sapiws/spml.asmx?WSDL

parsing WSDL...

[WARNING] src-resolve: Cannot resolve the name 's1:listTargetsRequest' to a(n) 'element declaration' component.

line 11 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema1

[WARNING] src-resolve: Cannot resolve the name 's4:setPasswordRequest' to a(n) 'element declaration' component.

line 137 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema1

[WARNING] src-resolve: Cannot resolve the name 's2:searchRequest' to a(n) 'element declaration' component.

line 193 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema1

[WARNING] cos-nonambig: WC[##any] and "http://arx.com/SAPIWS/SPML/1.0":CoSignLogonData (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 257 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "http://arx.com/SAPIWS/SPML/1.0":CoSignLogonData (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 250 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":component (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 274 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":namespacePrefixMap (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 287 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":containerID (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 326 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":appliesTo (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 343 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":capability (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 363 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":supportedSchemaEntity (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 372 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":schema (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 382 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":psoID (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 394 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":errorMessage (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 406 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":errorMessage (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 443 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":errorMessage (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 452 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":errorMessage (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 461 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "urn:oasis:names:tc:SPML:2:0":errorMessage (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 470 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "http://arx.com/SAPIWS/SPML/1.0":CoSignLogonData (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 485 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "http://arx.com/SAPIWS/SPML/1.0":CoSignLogonData (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 507 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "http://arx.com/SAPIWS/SPML/1.0":CoSignLogonData (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 518 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] cos-nonambig: WC[##any] and "http://arx.com/SAPIWS/SPML/1.0":CoSignLogonData (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

line 529 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl#types?schema2

[WARNING] SOAP port "SPMLSoap12": uses a non-standard SOAP 1.2 binding.

line 1294 of file:/C:/work/CoSign/APIs%20Enablement/docusign/docusign-signature-appliance-api-recipes/dsa-soap/Java-User-Management/xml-resources/web-service-references/spml/wsdl/prime-dsa-devctr.docusign.net\_8080/sapiws/spml.asmx.wsdl

Generating code...

oasis\names\tc\spml\\_2\\_0\password\ExpirePasswordRequestType.java

oasis\names\tc\spml\\_2\\_0\password\ObjectFactory.java

oasis\names\tc\spml\\_2\\_0\password\ResetPasswordRequestType.java

oasis\names\tc\spml\\_2\\_0\password\ResetPasswordResponseType.java

oasis\names\tc\spml\\_2\\_0\password\SetPasswordRequestType.java

oasis\names\tc\spml\\_2\\_0\password\ValidatePasswordRequestType.java

oasis\names\tc\spml\\_2\\_0\password\ValidatePasswordResponseType.java

oasis\names\tc\spml\\_2\\_0\password\package-info.java

com\arx\sapiws\spml\\_1\Add.java

com\arx\sapiws\spml\\_1\AddGroup.java

com\arx\sapiws\spml\\_1\AddGroupResponse.java

com\arx\sapiws\spml\\_1\AddResponse.java

com\arx\sapiws\spml\\_1\CloseIterator.java

com\arx\sapiws\spml\\_1\CloseIteratorResponse.java

com\arx\sapiws\spml\\_1\CoSignLogonData.java

com\arx\sapiws\spml\\_1\Delete.java

com\arx\sapiws\spml\\_1\DeleteGroup.java

com\arx\sapiws\spml\\_1\DeleteGroupResponse.java

com\arx\sapiws\spml\\_1\DeleteResponse.java

com\arx\sapiws\spml\\_1\EnrollmentStatusEnum.java

com\arx\sapiws\spml\\_1\ExpirePassword.java

com\arx\sapiws\spml\\_1\ExpirePasswordResponse.java

com\arx\sapiws\spml\\_1\GroupKeySizeEnum.java

com\arx\sapiws\spml\\_1\GroupRecord.java

com\arx\sapiws\spml\\_1\GroupStatusEnum.java

com\arx\sapiws\spml\\_1\Iterate.java

com\arx\sapiws\spml\\_1\IterateResponse.java

com\arx\sapiws\spml\\_1\ListTargets.java

com\arx\sapiws\spml\\_1\ListTargetsResponse.java

com\arx\sapiws\spml\\_1\Lookup.java

com\arx\sapiws\spml\\_1\LookupGroup.java

com\arx\sapiws\spml\\_1\LookupGroupResponse.java

com\arx\sapiws\spml\\_1\LookupResponse.java

com\arx\sapiws\spml\\_1\Modify.java

com\arx\sapiws\spml\\_1\ModifyGroup.java

com\arx\sapiws\spml\\_1\ModifyGroupResponse.java

com\arx\sapiws\spml\\_1\ModifyResponse.java

com\arx\sapiws\spml\\_1\ObjectFactory.java

com\arx\sapiws\spml\\_1\PendingRequestStatusEnum.java

com\arx\sapiws\spml\\_1\ResetPassword.java

com\arx\sapiws\spml\\_1\ResetPasswordResponse.java

com\arx\sapiws\spml\\_1\SPML.java

com\arx\sapiws\spml\\_1\SPMLSoap.java

com\arx\sapiws\spml\\_1\Search.java

com\arx\sapiws\spml\\_1\SearchGroups.java

com\arx\sapiws\spml\\_1\SearchGroupsResponse.java

com\arx\sapiws\spml\\_1\SearchResponse.java

com\arx\sapiws\spml\\_1\SetPassword.java

com\arx\sapiws\spml\\_1\SetPasswordResponse.java

com\arx\sapiws\spml\\_1\UserCertStatusEnum.java

com\arx\sapiws\spml\\_1\UserKindEnum.java

com\arx\sapiws\spml\\_1\UserLoginEnum.java

com\arx\sapiws\spml\\_1\UserRecord.java

com\arx\sapiws\spml\\_1\ValidatePassword.java

com\arx\sapiws\spml\\_1\ValidatePasswordResponse.java

com\arx\sapiws\spml\\_1\package-info.java

oasis\names\tc\spml\\_2\\_0\AddRequestType.java

oasis\names\tc\spml\\_2\\_0\AddResponseType.java

oasis\names\tc\spml\\_2\\_0\CapabilitiesListType.java

oasis\names\tc\spml\\_2\\_0\CapabilityDataType.java

oasis\names\tc\spml\\_2\\_0\CapabilityType.java

oasis\names\tc\spml\\_2\\_0\DeleteRequestType.java

oasis\names\tc\spml\\_2\\_0\ErrorCode.java

oasis\names\tc\spml\\_2\\_0\ExecutionModeType.java

oasis\names\tc\spml\\_2\\_0\ExtensibleType.java

oasis\names\tc\spml\\_2\\_0\IdentifierType.java

oasis\names\tc\spml\\_2\\_0\ListTargetsRequestType.java

oasis\names\tc\spml\\_2\\_0\ListTargetsResponseType.java

oasis\names\tc\spml\\_2\\_0\LookupRequestType.java

oasis\names\tc\spml\\_2\\_0\LookupResponseType.java

oasis\names\tc\spml\\_2\\_0\ModificationModeType.java

oasis\names\tc\spml\\_2\\_0\ModificationType.java

oasis\names\tc\spml\\_2\\_0\ModifyRequestType.java

oasis\names\tc\spml\\_2\\_0\ModifyResponseType.java

oasis\names\tc\spml\\_2\\_0\NamespacePrefixMappingType.java

oasis\names\tc\spml\\_2\\_0\ObjectFactory.java

oasis\names\tc\spml\\_2\\_0\PSOIdentifierType.java

oasis\names\tc\spml\\_2\\_0\PSOType.java

oasis\names\tc\spml\\_2\\_0\QueryClauseType.java

oasis\names\tc\spml\\_2\\_0\RequestType.java

oasis\names\tc\spml\\_2\\_0\ResponseType.java

oasis\names\tc\spml\\_2\\_0\ReturnDataType.java

oasis\names\tc\spml\\_2\\_0\SchemaEntityRefType.java

oasis\names\tc\spml\\_2\\_0\SchemaType.java

oasis\names\tc\spml\\_2\\_0\SelectionType.java

oasis\names\tc\spml\\_2\\_0\StatusCodeType.java

oasis\names\tc\spml\\_2\\_0\TargetType.java

oasis\names\tc\spml\\_2\\_0\package-info.java

oasis\names\tc\spml\\_2\\_0\search\CloseIteratorRequestType.java

oasis\names\tc\spml\\_2\\_0\search\IterateRequestType.java

oasis\names\tc\spml\\_2\\_0\search\LogicalOperatorType.java

oasis\names\tc\spml\\_2\\_0\search\ObjectFactory.java

oasis\names\tc\spml\\_2\\_0\search\ResultsIteratorType.java

oasis\names\tc\spml\\_2\\_0\search\ScopeType.java

oasis\names\tc\spml\\_2\\_0\search\SearchQueryType.java

oasis\names\tc\spml\\_2\\_0\search\SearchRequestType.java

oasis\names\tc\spml\\_2\\_0\search\SearchResponseType.java

oasis\names\tc\spml\\_2\\_0\search\package-info.java

Copying 98 files to C:\work\CoSign\APIs Enablement\docusign\docusign-signature-appliance-api-recipes\dsa-soap\Java-User-Management\build\generated-sources\jax-ws

BUILD SUCCESSFUL (total time: 3 seconds)