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## Contents

### **1.1 activemq-client 5.9.0**

1.1.1 Available under license

### **1.2 annogen 0.1.0**

1.2.1 Available under license

### **1.3 ANTLR 2.7.6**

1.3.1 Available under license

### **1.4 Apache Commons BeanUtils 1.9.2**

1.4.1 Available under license

### **1.5 Apache Geronimo Specs 11.0**

1.5.1 Available under license

### **1.6 Apache XBean :: Spring 3.7**

1.6.1 Available under license

### **1.7 apache-log4j 1.2.15**

1.7.1 Available under license

### **1.8 ASM Core 3.1**

1.8.1 Available under license

### **1.9 AspectJ runtime 1.6.8**

1.9.1 Available under license

### **1.10 AspectJ weaver 1.6.8**

1.10.1 Available under license

### **1.11 AspectJ weaver\_Apache 1.6.8**

1.11.1 Notifications

1.11.2 Available under license

### **1.12 Atomikos Util 3.7.0**

1.12.1 Available under license

### **1.13 axiom-api 1.2.5**

- 1.13.1 Available under license
- 1.14 axiom-dom 1.2.5**
  - 1.14.1 Available under license
- 1.15 axiom-impl 1.2.5**
  - 1.15.1 Available under license
- 1.16 axis2-codegen 1.3**
  - 1.16.1 Available under license
- 1.17 axis2-json 1.3**
  - 1.17.1 Available under license
- 1.18 axis2-kernel 1.3**
  - 1.18.1 Available under license
- 1.19 bcprov-jdk14 1.38**
  - 1.19.1 Available under license
- 1.20 bcprov-jdk14 140**
  - 1.20.1 Available under license
- 1.21 bcprov-jdk15 1.46**
  - 1.21.1 Available under license
- 1.22 bcprov-jdk15on 1.47**
  - 1.22.1 Available under license
- 1.23 bcprov-jdk15on 1.54**
  - 1.23.1 Available under license
- 1.24 Bean Validation API 1.0.0.GA**
  - 1.24.1 Available under license
- 1.25 centos-release 6**
  - 1.25.1 Available under license
- 1.26 Code Generation Library 2.2**
  - 1.26.1 Available under license
- 1.27 Codec 1.3**
  - 1.27.1 Available under license
- 1.28 Commons Collections 3.2.1**
  - 1.28.1 Available under license
- 1.29 Commons DBCP 1.2.2**
  - 1.29.1 Available under license
- 1.30 Commons fileupload 1.2.1**
  - 1.30.1 Available under license
- 1.31 Commons IO 1.4**
  - 1.31.1 Available under license
- 1.32 Commons Pool 1.3**
  - 1.32.1 Available under license

- 1.33 commons-collections 3.1**
  - 1.33.1 Available under license
- 1.34 commons-fileupload 1.1.1**
  - 1.34.1 Available under license
- 1.35 dom4j 1.6.1**
  - 1.35.1 Available under license
- 1.36 ecj 4.4**
  - 1.36.1 Available under license
- 1.37 Extended StAX API 1.2**
  - 1.37.1 Available under license
- 1.38 fdsapi 1.1**
  - 1.38.1 Available under license
- 1.39 gmbal-api-only 3.0.0-b023**
  - 1.39.1 Available under license
- 1.40 hawtbuf 1.9**
  - 1.40.1 Available under license
- 1.41 Hibernate Commons Annotations 3.2.0.Final**
  - 1.41.1 Available under license
- 1.42 Hibernate Core 3.6.2.Final**
  - 1.42.1 Available under license
- 1.43 Hibernate Entity Manager 3.6.2.Final**
  - 1.43.1 Available under license
- 1.44 Hibernate JPA 2 Metamodel Generator 1.0.0.Final**
  - 1.44.1 Available under license
- 1.45 Hibernate Validator 4.1.0.Final**
  - 1.45.1 Available under license
- 1.46 httpclient 3.1**
  - 1.46.1 Available under license
- 1.47 istack common utility code runtime 2.2**
  - 1.47.1 Available under license
- 1.48 Jamon 2.6**
  - 1.48.1 Available under license
- 1.49 jasypt 1.9.2**
  - 1.49.1 Available under license
- 1.50 jasypt-spring3 1.9.2**
  - 1.50.1 Available under license
- 1.51 JASYPT: Java Simplified Encryption 1.9.1**
  - 1.51.1 Available under license
- 1.52 javasimon-console-embed 3.4.0**

- 1.52.1 Available under license
- 1.53 javasimon-core 3.4.0**
  - 1.53.1 Available under license
- 1.54 javasimon-javaee 3.4.0**
  - 1.54.1 Available under license
- 1.55 javasimon-jdbc4 3.4.0**
  - 1.55.1 Available under license
- 1.56 javasimon-spring 3.4.0**
  - 1.56.1 Available under license
- 1.57 Javassist 3.12.0.GA**
  - 1.57.1 Available under license
- 1.58 javax.inject 1**
  - 1.58.1 Available under license
- 1.59 JAX-WS (JSR-224) Reference Implementation 2.2.1**
  - 1.59.1 Available under license
- 1.60 jersey-bundle 1.17**
  - 1.60.1 Available under license
- 1.61 jersey-core 1.17**
  - 1.61.1 Available under license
- 1.62 jersey-multipart 1.17**
  - 1.62.1 Available under license
- 1.63 jersey-server 1.17**
  - 1.63.1 Available under license
- 1.64 jersey-servlet 1.17**
  - 1.64.1 Available under license
- 1.65 jersey-spring 1.17**
  - 1.65.1 Available under license
- 1.66 JMS 1.1 1.1.1**
  - 1.66.1 Available under license
- 1.67 JOTM 2.2.1**
  - 1.67.1 Available under license
- 1.68 JSR-250 Common Annotations for the Java™ Platform 1.0**
  - 1.68.1 Available under license
- 1.69 jstl 1.2**
  - 1.69.1 Available under license
- 1.70 management-api 3.0.0-b012**
  - 1.70.1 Available under license
- 1.71 MIME streaming extension 1.5**
  - 1.71.1 Available under license

- 1.72 ojdbc 14**
  - 1.72.1 Available under license
- 1.73 OpenSSL 1.0.2h :1**
  - 1.73.1 Notifications
  - 1.73.2 Available under license
- 1.74 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0**
  - 1.74.1 Notifications
  - 1.74.2 Available under license
- 1.75 oro 2.0.8**
  - 1.75.1 Notifications
  - 1.75.2 Available under license
- 1.76 policy 2.2.1**
  - 1.76.1 Available under license
- 1.77 Quartz Enterprise Job Scheduler 1.8.5**
  - 1.77.1 Available under license
- 1.78 quartz-oracle 1.8.5**
  - 1.78.1 Available under license
- 1.79 SLF4J API Module 1.5.6**
  - 1.79.1 Available under license
- 1.80 SLF4J API Module 1.6.1**
  - 1.80.1 Available under license
- 1.81 SLF4J LOG4J-12 Binding 1.6.1**
  - 1.81.1 Available under license
- 1.82 Spring LDAP Core 1.3.0.RELEASE**
  - 1.82.1 Available under license
- 1.83 Spring Security - ACL module 3.0.7.RELEASE**
  - 1.83.1 Available under license
- 1.84 Spring Security - Core 3.0.7.RELEASE**
  - 1.84.1 Available under license
- 1.85 Spring Security - JSP taglibs 3.0.7.RELEASE**
  - 1.85.1 Available under license
- 1.86 Spring Security - LDAP Module 3.0.7.RELEASE**
  - 1.86.1 Available under license
- 1.87 Spring Security - Namespace Configuration Module 3.0.7.RELEASE**
  - 1.87.1 Available under license
- 1.88 Spring Security - Web Application Security Module 3.0.7.RELEASE**
  - 1.88.1 Available under license
- 1.89 Spring support extension 1.8**
  - 1.89.1 Available under license

## **1.90 spring-aop 3.0.7.RELEASE**

1.90.1 Available under license

## **1.91 spring-asm 3.0.7.RELEASE**

1.91.1 Available under license

## **1.92 spring-aspects 3.0.7.RELEASE**

1.92.1 Available under license

## **1.93 spring-context 3.0.7.RELEASE**

1.93.1 Available under license

## **1.94 spring-context-support 3.0.7.RELEASE**

1.94.1 Available under license

## **1.95 spring-expression 3.0.7.RELEASE**

1.95.1 Available under license

## **1.96 spring-instrument-tomcat 3.0.7.RELEASE**

1.96.1 Available under license

## **1.97 spring-jms 3.0.7.RELEASE**

1.97.1 Available under license

## **1.98 spring-orm 3.0.7.RELEASE**

1.98.1 Available under license

## **1.99 spring-oxm 3.0.7.RELEASE**

1.99.1 Available under license

## **1.100 spring-test 3.0.7.RELEASE**

1.100.1 Available under license

## **1.101 spring-tx 3.0.7.RELEASE**

1.101.1 Available under license

## **1.102 spring-webmvc 3.0.7.RELEASE**

1.102.1 Available under license

## **1.103 StAX API 1.0.1**

1.103.1 Available under license

## **1.104 streambuffer 1.1**

1.104.1 Available under license

## **1.105 tomcat-api 7.0.59**

1.105.1 Available under license

## **1.106 tomcat-el-api 7.0.59**

1.106.1 Available under license

## **1.107 tomcat-jasper 7.0.59**

1.107.1 Available under license

## **1.108 tomcat-jasper-el 7.0.59**

1.108.1 Available under license

## **1.109 tomcat-jsp-api 7.0.59**

- 1.109.1 Available under license
- 1.110 tomcat-juli 7.0.59**
  - 1.110.1 Available under license
- 1.111 tomcat-servlet-api 7.0.59**
  - 1.111.1 Available under license
- 1.112 tomcat-util 7.0.59**
  - 1.112.1 Available under license
- 1.113 Transactions API 3.7.0**
  - 1.113.1 Available under license
- 1.114 Transactions Core 3.7.0**
  - 1.114.1 Available under license
- 1.115 Transactions Hibernate3 3.7.0**
  - 1.115.1 Available under license
- 1.116 Transactions JDBC 3.7.0**
  - 1.116.1 Available under license
- 1.117 Transactions JMS 3.7.0**
  - 1.117.1 Available under license
- 1.118 Transactions JTA 3.7.0**
  - 1.118.1 Available under license
- 1.119 Typed XML Writer runtime 20090102**
  - 1.119.1 Available under license
- 1.120 Woodstox 3.2.1**
  - 1.120.1 Available under license
- 1.121 wss4j 1.5.3 :1jpp**
  - 1.121.1 Available under license
- 1.122 XML Commons External Components XML APIs 1.0.b2**
  - 1.122.1 Notifications
  - 1.122.2 Available under license
- 1.123 XmlSchema 1.3.2**
  - 1.123.1 Available under license
- 1.124 xmlsec 1.4.0**
  - 1.124.1 Available under license

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## 1.13 axiom-api 1.2.5

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## 1.40 hawtbuf 1.9

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## 1.59 JAX-WS (JSR-224) Reference

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# 1.61 jersey-core 1.17

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## 1.71 MIME streaming extension 1.5

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 * The implementation was written so as to conform with Netscapes SSL.
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## 1.74 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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```

/* crypto/aes/aes_wrap.c */
/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL
* project.
* Modified by Attaullah Baig (abaig@paypal.com) to wrap/unwrap any
* size keys (Implemented RFC5649)
*/
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## 1.75 oro 2.0.8

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## 1.103 StAX API 1.0.1

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# 1.108 tomcat-jasper-el 7.0.59

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# 1.109 tomcat-jsp-api 7.0.59

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## 1.110 tomcat-juli 7.0.59

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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
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# 1.112 tomcat-util 7.0.59

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# 1.121 wss4j 1.5.3 :1jpp

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David Megginson, [david@megginson.com](mailto:david@megginson.com)  
2000-05-05

## 1.123 XmlSchema 1.3.2

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*/

```

```
package org.apache.ws.commons.schema;
```

```
import javax.xml.namespace.QName;
```

```

/**
 * Class for the restriction of simpleType elements. Represents the World
 * Wide Web Consortium (W3C) restriction element for simple types.
 */

```

```
public class XmlSchemaSimpleTypeRestriction extends XmlSchemaSimpleTypeContent {
```

```

    /**
     * Creates new XmlSchemaSimpleTypeRestriction
     */

```

```

    public XmlSchemaSimpleTypeRestriction() {
        facets = new XmlSchemaObjectCollection();
    }

```

```
    XmlSchemaSimpleType baseType;
```

```

    public XmlSchemaSimpleType getBaseType() {
        return this.baseType;
    }

```

```

    public void setBaseType(XmlSchemaSimpleType baseType) {
        this.baseType = baseType;
    }

```

```
    QName baseTypeName;
```

```

    public QName getBaseTypeName() {
        return this.baseTypeName;
    }

```

```

    public void setBaseTypeName(QName baseTypeName) {
        this.baseTypeName = baseTypeName;
    }

```

```

XmlSchemaObjectCollection facets;// = new XmlSchemaObjectCollection();

public XmlSchemaObjectCollection getFacets() {
    return this.facets;
}

public String toString(String prefix, int tab) {
    String xml = new String();

    if (!prefix.equals("") && prefix.indexOf(":") == -1)
        prefix += ":";

    for (int i = 0; i < tab; i++)
        xml += "\t";

    xml += "<" + prefix + "restriction ";

    if (baseTypeName != null) {
        xml += "base=\"" + baseTypeName + "\">\n";
    } else {
        xml += ">\n";
        // inline def
        xml += baseType.toString(prefix, (tab + 1));
    }

    xml += facets.toString(prefix, (tab + 1));
    for (int i = 0; i < tab; i++)
        xml += "\t";
    xml += "</" + prefix + "restriction>\n";

    return xml;
}

}
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*/
```

```
package org.apache.ws.commons.schema;
```

```
import javax.xml.namespace.QName;
```

```
/**
```

```
* Class for the union of simpleType elements. Defines a simpleType element  
* as a list of values of a specified data type. Represents the World  
* Wide Web Consortium (W3C) union element.  
*/
```

```
public class XmlSchemaSimpleTypeUnion extends XmlSchemaSimpleTypeContent {
```

```
    XmlSchemaObjectCollection baseTypes;
```

```
    String memberTypesSource;
```

```
    QName[] memberTypesQNames;
```

```
    public XmlSchemaSimpleTypeUnion() {  
        baseTypes = new XmlSchemaObjectCollection();  
    }
```

```
    public XmlSchemaObjectCollection getBaseTypes() {  
        return this.baseTypes;  
    }
```

```
    public void setMemberTypesSource(String memberTypesSources) {  
        this.memberTypesSource = memberTypesSources;  
    }
```

```
    public String getMemberTypesSource() {  
        return this.memberTypesSource;  
    }
```

```
    public QName[] getMemberTypesQNames() {  
        return this.memberTypesQNames;  
    }
```

```
}
```

```
/*
```

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```

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*/

```

```
package org.apache.ws.commons.schema;
```

```
import javax.xml.namespace.QName;
```

```

/**
 * Class for complex types with a complex content model that are derived
 * by restriction. Restricts the contents of the complex type to a subset
 * of the inherited complex type. Represents the World Wide Web Consortium
 * (W3C) restriction element for complex content.
 */

```

```
public class XmlSchemaComplexContentRestriction extends XmlSchemaContent {
```

```

    /**
     * Creates new XmlSchemaComplexContentRestriction
     */

```

```

    public XmlSchemaComplexContentRestriction() {
        attributes = new XmlSchemaObjectCollection();
    }

```

```

    /** Allows an XmlSchemaAnyAttribute to be used for the attribute value.*/
    XmlSchemaAnyAttribute anyAttribute;

```

```

    public void setAnyAttribute(XmlSchemaAnyAttribute anyAttribute) {
        this.anyAttribute = anyAttribute;
    }

```

```

    public XmlSchemaAnyAttribute getAnyAttribute() {
        return this.anyAttribute;
    }

```

```

/* Contains XmlSchemaAttribute and XmlSchemaAttributeGroupRef.
 * Collection of attributes for the simple type.
 */
XmlSchemaObjectCollection attributes;

public XmlSchemaObjectCollection getAttributes() {
    return this.attributes;
}

/* Name of the built-in data type, simple type, or complex type.*/
QName baseTypeName;

public void setBaseTypeName(QName baseTypeName) {
    this.baseTypeName = baseTypeName;
}

public QName getBaseTypeName() {
    return this.baseTypeName;
}

/*One of the XmlSchemaGroupRef, XmlSchemaChoice, XmlSchemaAll,
 * or XmlSchemaSequence classes.
 */
XmlSchemaParticle particle;

public XmlSchemaParticle getParticle() {
    return this.particle;
}

public void setParticle(XmlSchemaParticle particle) {
    this.particle = particle;
}

public String toString(String prefix, int tab) {
    String xml = new String();
    for (int i = 0; i < tab; i++)
        xml += "\t";
    if (!prefix.equals("") && prefix.indexOf(":") == -1)
        prefix += ":";

    xml += "<" + prefix + "restriction>\n";

    if (particle != null)
        xml += particle.toString(prefix, (tab + 1));

    for (int i = 0; i < tab; i++)
        xml += "\t";

```

```

    xml += "</" + prefix + "restriction>\n";
    return xml;
}
}
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* under the License.
*/

package org.apache.ws.commons.schema;

import org.apache.ws.commons.schema.constants.Constants;

/**
* Class for complex types. Defines a complex type that determines the
* set of attributes and content of an element. Represents the World Wide
* Web Consortium (W3C) complexType element.
*/

public class XmlSchemaComplexType extends XmlSchemaType {
    XmlSchemaAnyAttribute anyAttribute, attributeWildcard;
    XmlSchemaObjectCollection attributes;
    XmlSchemaObjectTable attributeUses;
    XmlSchemaDerivationMethod block, blockResolved;
    XmlSchemaContentModel contentModel;
    XmlSchemaContentType contentType;
    XmlSchemaParticle particleType, particle;
    boolean isAbstract, isMixed;

    /**
    * Creates new XmlSchemaComplexType
    */
    public XmlSchemaComplexType(XmlSchema schema) {

```



```

    super(schema);
    attributes = new XmlSchemaObjectCollection();
    block = new XmlSchemaDerivationMethod(Constants.BlockConstants.NONE);
    isAbstract = false;
    isMixed = false;
}

public XmlSchemaAnyAttribute getAnyAttribute() {
    return anyAttribute;
}

public void setAnyAttribute(XmlSchemaAnyAttribute anyAttribute) {
    this.anyAttribute = anyAttribute;
}

public XmlSchemaObjectCollection getAttributes() {
    return attributes;
}

public XmlSchemaObjectTable getAttributeUses() {
    return attributeUses;
}

public XmlSchemaAnyAttribute getAttributeWildcard() {
    return attributeWildcard;
}

public XmlSchemaDerivationMethod getBlock() {
    return block;
}

public void setBlock(XmlSchemaDerivationMethod block) {
    this.block = block;
}

public XmlSchemaDerivationMethod getBlockResolved() {
    return blockResolved;
}

public XmlSchemaContentModel getContentModel() {
    return contentModel;
}

public void setContentModel(XmlSchemaContentModel contentModel) {
    this.contentModel = contentModel;
}

public XmlSchemaContentType getContentType() {

```

```

    return contentType;
}

public void setContentType(XmlSchemaContentType contentType) {
    this.contentType = contentType;
}

public XmlSchemaParticle getContentTypeParticle() {
    return particleType;
}

public boolean isAbstract() {
    return isAbstract;
}

public void setAbstract(boolean b) {
    isAbstract = b;
}

public boolean isMixed() {
    return isMixed;
}

public void setMixed(boolean b) {
    isMixed = b;
}

public XmlSchemaParticle getParticle() {
    return particle;
}

public void setParticle(XmlSchemaParticle particle) {
    this.particle = particle;
}

public String toString(String prefix, int tab) {
    String xml = new String();

    for (int i = 0; i < tab; i++)
        xml += "\t";

    if (!prefix.equals("") && prefix.indexOf(":") == -1)
        prefix += ":";

    String typeName = name != null ? name : "";

    xml += "<" + prefix + "complexType name=\"" + typeName + "\">\n";
}

```

```

    if (particle != null)
        xml += particle.toString(prefix, (tab + 1));

    if (contentModel != null)
        xml += contentModel.toString(prefix, (tab + 1));

    for (int i = 0; i < attributes.getCount(); i++) {
        xml += attributes.getItem(i).toString(prefix, (tab + 1));
    }

    for (int i = 0; i < tab; i++)
        xml += "\t";

    xml += "</" + prefix + "complexType>\n";
    return xml;
}
}
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 */

package org.apache.ws.commons.schema;

import javax.xml.namespace.QName;

/**
 * Class for complex types with a complex content model derived by extension.
 * Extends the complex type by adding attributes or elements. Represents the
 * World Wide Web Consortium (W3C) extension element for complex content.
 */

public class XmlSchemaComplexContentExtension extends XmlSchemaContent {

```

```

/**
 * Creates new XmlSchemaComplexContentExtension
 */
public XmlSchemaComplexContentExtension() {
    attributes = new XmlSchemaObjectCollection();
}

/* Allows an XmlSchemaAnyAttribute to be used for the attribute value.*/
XmlSchemaAnyAttribute anyAttribute;

public void setAnyAttribute(XmlSchemaAnyAttribute anyAttribute) {
    this.anyAttribute = anyAttribute;
}

public XmlSchemaAnyAttribute getAnyAttribute() {
    return this.anyAttribute;
}

/* Contains XmlSchemaAttribute and XmlSchemaAttributeGroupRef. Collection of attributes for the simple
type.*/
XmlSchemaObjectCollection attributes;

public XmlSchemaObjectCollection getAttributes() {
    return this.attributes;
}

/* Name of the built-in data type, simple type, or complex type.*/
QName baseTypeName;

public void setBaseTypeName(QName baseTypeName) {
    this.baseTypeName = baseTypeName;
}

public QName getBaseTypeName() {
    return this.baseTypeName;
}

/*One of the XmlSchemaGroupRef, XmlSchemaChoice, XmlSchemaAll, or XmlSchemaSequence classes.*/
XmlSchemaParticle particle;

public XmlSchemaParticle getParticle() {
    return this.particle;
}

public void setParticle(XmlSchemaParticle particle) {
    this.particle = particle;
}

```

```

}

public String toString(String prefix, int tab) {
    String xml = new String();
    for (int i = 0; i < tab; i++)
        xml += "\t";
    if (!prefix.equals("") && prefix.indexOf(":") == -1)
        prefix += ":";

    xml += "<" + prefix + "extension>\n";

    if (particle != null)
        xml += particle.toString(prefix, (tab + 1));

    for (int i = 0; i < tab; i++)
        xml += "\t";

    xml += "</" + prefix + "extension>\n";
    return xml;
}
}
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 */

package org.apache.ws.commons.schema;

/**
 * Class that represents the complex content model for complex types.
 * Contains extensions or restrictions on a complex type that has mixed
 * content or elements only. Represents the World Wide Web Consortium (W3C)
 * complexContent element.
 */

```

```

// Vidyanand - 16th Oct - initial implementation

public class XmlSchemaComplexContent extends XmlSchemaContentModel {

    /**
     * Creates new XmlSchemaComplexContent
     */
    public XmlSchemaComplexContent() {
    }

    /** One of either the XmlSchemaComplexContentRestriction or
     * XmlSchemaComplexContentExtension classes.
     */
    XmlSchemaContent content;

    public XmlSchemaContent getContent() {
        return this.content;
    }

    public void setContent(XmlSchemaContent content) {
        this.content = content;
    }

    /** Indicates that this type has a mixed content model. Character data
     * is allowed to appear between the child elements of the complex type.
     */
    public boolean mixed;

    public boolean isMixed() {
        return this.mixed;
    }

    public void setMixed(boolean mixed) {
        this.mixed = mixed;
    }

    public String toString(String prefix, int tab) {
        String xml = new String();
        for (int i = 0; i < tab; i++)
            xml += "\t";

        if (!prefix.equals("") && prefix.indexOf(":") == -1)
            prefix += ":";

        xml += "<" + prefix + "complexContent>\n";

        xml += content.toString(prefix, (tab + 1));
    }
}

```

```

    for (int i = 0; i < tab; i++)
        xml += "\t";
    xml += "<" + prefix + "complexContent>\n";
    return xml;
}
}
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 */

package org.apache.ws.commons.schema;

/**
 * Class defines a simple type that determines the information and
 * constraints for the values of attributes or elements with text-only
 * content. Represents the World Wide Web Consortium (W3C) simpleType element.
 */

public class XmlSchemaSimpleType extends XmlSchemaType {

    XmlSchemaSimpleTypeContent content;

    /**
     * Creates new XmlSchemaSimpleType
     */
    public XmlSchemaSimpleType(XmlSchema schema) {
        super(schema);
    }

    public XmlSchemaSimpleTypeContent getContent() {
        return content;
    }
}

```

```

public void setContent(XmlSchemaSimpleTypeContent content) {
    this.content = content;
}

public String toString(String prefix, int tab) {
    String xml = new String();

    for (int i = 0; i < tab; i++)
        xml += "\t";

    if (!prefix.equals("") && prefix.indexOf(":") == -1)
        prefix += ":";

    xml += "<" + prefix + "simpleType>\n";

    if (content != null)
        xml += content.toString(prefix, (tab + 1));

    for (int i = 0; i < tab; i++)
        xml += "\t";

    xml += "</" + prefix + "simpleType>\n";
    return xml;
}

}

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 */

package org.apache.ws.commons.schema;

```



```

import javax.xml.namespace.QName;

/**
 * Class for the list of simpleType elements. Defines a simpleType element
 * as a list of values of a specified data type. Represents the World Wide
 * Web Consortium (W3C) list element.
 */
public class XmlSchemaSimpleTypeList extends XmlSchemaSimpleTypeContent {

    /**
     * Creates new XmlSchemaSimpleTypeList
     */
    public XmlSchemaSimpleTypeList() {

        XmlSchemaSimpleType itemType;

        public XmlSchemaSimpleType getItemType() {
            return this.itemType;
        }

        public void setItemType(XmlSchemaSimpleType itemType) {
            this.itemType = itemType;
        }

        QName itemTypeName;

        public QName getItemTypeName() {
            return this.itemTypeName;
        }

        public void setItemTypeName(QName itemTypeName) {
            this.itemTypeName = itemTypeName;
        }

    }

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```

```

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*/

```

```
package org.apache.ws.commons.schema;
```

```
import javax.xml.namespace.QName;
```

```

/**
 * Class for simple types that are derived by restriction. Restricts the
 * range of values for the element to a subset of the inherited simple types.
 * Represents the World Wide Web Consortium (W3C) restriction element for simple content.
 */

```

```
public class XmlSchemaSimpleContentRestriction extends XmlSchemaContent {
```

```

    /**
     * Creates new XmlSchemaSimpleContentRestriction
     */

```

```

    public XmlSchemaSimpleContentRestriction() {
        facets = new XmlSchemaObjectCollection();
        attributes = new XmlSchemaObjectCollection();
    }

```

```

    /** Allows an XmlSchemaAnyAttribute to be used for the attribute value.*/
    XmlSchemaAnyAttribute anyAttribute;

```

```

    public void setAnyAttribute(XmlSchemaAnyAttribute anyAttribute) {
        this.anyAttribute = anyAttribute;
    }

```

```

    public XmlSchemaAnyAttribute getAnyAttribute() {
        return this.anyAttribute;
    }

```

```

    /** Contains XmlSchemaAttribute and XmlSchemaAttributeGroupRef. Collection of attributes for the simple
    type.*/
    XmlSchemaObjectCollection attributes;

```

```

    public XmlSchemaObjectCollection getAttributes() {
        return this.attributes;
    }

```

```

/*Derived from the type specified by the base value.*/
XmlSchemaSimpleType baseType;

public void setBaseType(XmlSchemaSimpleType baseType) {
    this.baseType = baseType;
}

public XmlSchemaSimpleType getBaseType() {
    return this.baseType;
}

/* Name of the built-in data type, simple type, or complex type.*/
QName baseTypeName;

public void setBaseTypeName(QName baseTypeName) {
    this.baseTypeName = baseTypeName;
}

public QName getBaseTypeName() {
    return this.baseTypeName;
}

/* One or more of the facet classes: */
XmlSchemaObjectCollection facets;

public XmlSchemaObjectCollection getFacets() {
    return this.facets;
}

}
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```

```

*/

package org.apache.ws.commons.schema;

import javax.xml.namespace.QName;

/**
 * Class for simple types that are derived by extension. Extends the simple
 * type content of the element by adding attributes. Represents the World Wide
 * Web Consortium (W3C) extension element for simple content.
 */

public class XmlSchemaSimpleContentExtension extends XmlSchemaContent {

    /**
     * Creates new XmlSchemaSimpleContentExtension
     */
    public XmlSchemaSimpleContentExtension() {
        attributes = new XmlSchemaObjectCollection();
    }

    /** Allows an XmlSchemaAnyAttribute to be used for the attribute value.*/
    XmlSchemaAnyAttribute anyAttribute;

    public void setAnyAttribute(XmlSchemaAnyAttribute anyAttribute) {
        this.anyAttribute = anyAttribute;
    }

    public XmlSchemaAnyAttribute getAnyAttribute() {
        return this.anyAttribute;
    }

    /** Contains XmlSchemaAttribute and XmlSchemaAttributeGroupRef. Collection of attributes for the simple
    type.*/
    XmlSchemaObjectCollection attributes;

    public XmlSchemaObjectCollection getAttributes() {
        return this.attributes;
    }

    /** Name of the built-in data type, simple type, or complex type.*/
    QName baseTypeName;

    public void setBaseTypeName(QName baseTypeName) {
        this.baseTypeName = baseTypeName;
    }
}

```

```

public QName getBaseTypeName() {
    return this.baseTypeName;
}

}

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 */

package org.apache.ws.commons.schema;

/**
 * Abstract class for simple type content classes.
 */

public abstract class XmlSchemaSimpleTypeContent extends XmlSchemaAnnotated {

    /**
     * Creates new XmlSchemaSimpleTypeContent
     */
    protected XmlSchemaSimpleTypeContent() {
    }

}

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*/

```

```
package org.apache.ws.commons.schema;
```

```

/**
 * Class for simple types and complex types with a simple content model.
 * Represents the World Wide Web Consortium (W3C) simpleContent element.
 */

```

```
public class XmlSchemaSimpleContent extends XmlSchemaContentModel {
```

```

    /**
     * Creates new XmlSchemaSimpleContent
     */

```

```
public XmlSchemaSimpleContent() {
}
```

```

    /** One of XmlSchemaSimpleContentRestriction or XmlSchemaSimpleContentExtension. */
    XmlSchemaContent content;

```

```
public XmlSchemaContent getContent() {
    return this.content;
}
```

```
public void setContent(XmlSchemaContent content) {
    this.content = content;
}
```

```
public String toString(String prefix, int tab) {
    String xml = new String();

    if (!prefix.equals("") && prefix.indexOf(":") == -1) {
        prefix += ":";
    }
    return xml;
}
}
```

# 1.124 xmlsec 1.4.0

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