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## 1.23 geronimo-annotation\_1.0\_spec 1.1.1

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## 1.35 tomcat-util 7.0.68

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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd

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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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sep

## 1.39 xercesImpl 2.8.1

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### XML APIs 1.0.b2

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## 1.41 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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 */

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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 */

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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```

```

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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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 */

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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```



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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;
}
}
```

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