| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Parser.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/org/xml/sax/Locator.html)   [**NEXT CLASS**](http://docs.google.com/org/xml/sax/SAXException.html) | [**FRAMES**](http://docs.google.com/index.html?org/xml/sax/Parser.html)    [**NO FRAMES**](http://docs.google.com/Parser.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **org.xml.sax**

Interface Parser

**All Known Implementing Classes:** [XMLReaderAdapter](http://docs.google.com/org/xml/sax/helpers/XMLReaderAdapter.html)**Deprecated.** *This interface has been replaced by the SAX2* [*XMLReader*](http://docs.google.com/org/xml/sax/XMLReader.html) *interface, which includes Namespace support.*

public interface **Parser**

Basic interface for SAX (Simple API for XML) parsers.

*This module, both source code and documentation, is in the Public Domain, and comes with* ***NO WARRANTY****.* See <http://www.saxproject.org> for further information.

This was the main event supplier interface for SAX1; it has been replaced in SAX2 by [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html), which includes Namespace support and sophisticated configurability and extensibility.

All SAX1 parsers must implement this basic interface: it allows applications to register handlers for different types of events and to initiate a parse from a URI, or a character stream.

All SAX1 parsers must also implement a zero-argument constructor (though other constructors are also allowed).

SAX1 parsers are reusable but not re-entrant: the application may reuse a parser object (possibly with a different input source) once the first parse has completed successfully, but it may not invoke the parse() methods recursively within a parse.

**Since:** SAX 1.0 **See Also:**[EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html), [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html), [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html), [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html), [HandlerBase](http://docs.google.com/org/xml/sax/HandlerBase.html), [InputSource](http://docs.google.com/org/xml/sax/InputSource.html)

| **Method Summary** | |
| --- | --- |
| void | [**parse**](http://docs.google.com/org/xml/sax/Parser.html#parse(org.xml.sax.InputSource))([InputSource](http://docs.google.com/org/xml/sax/InputSource.html) source)  **Deprecated.** Parse an XML document. |
| void | [**parse**](http://docs.google.com/org/xml/sax/Parser.html#parse(java.lang.String))([String](http://docs.google.com/java/lang/String.html) systemId)  **Deprecated.** Parse an XML document from a system identifier (URI). |
| void | [**setDocumentHandler**](http://docs.google.com/org/xml/sax/Parser.html#setDocumentHandler(org.xml.sax.DocumentHandler))([DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) handler)  **Deprecated.** Allow an application to register a document event handler. |
| void | [**setDTDHandler**](http://docs.google.com/org/xml/sax/Parser.html#setDTDHandler(org.xml.sax.DTDHandler))([DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) handler)  **Deprecated.** Allow an application to register a DTD event handler. |
| void | [**setEntityResolver**](http://docs.google.com/org/xml/sax/Parser.html#setEntityResolver(org.xml.sax.EntityResolver))([EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) resolver)  **Deprecated.** Allow an application to register a custom entity resolver. |
| void | [**setErrorHandler**](http://docs.google.com/org/xml/sax/Parser.html#setErrorHandler(org.xml.sax.ErrorHandler))([ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) handler)  **Deprecated.** Allow an application to register an error event handler. |
| void | [**setLocale**](http://docs.google.com/org/xml/sax/Parser.html#setLocale(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)  **Deprecated.** Allow an application to request a locale for errors and warnings. |

| **Method Detail** |
| --- |

### setLocale

void **setLocale**([Locale](http://docs.google.com/java/util/Locale.html) locale)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

**Deprecated.** Allow an application to request a locale for errors and warnings.

SAX parsers are not required to provide localisation for errors and warnings; if they cannot support the requested locale, however, they must throw a SAX exception. Applications may not request a locale change in the middle of a parse.

**Parameters:**locale - A Java Locale object. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - Throws an exception (using the previous or default locale) if the requested locale is not supported.**See Also:**[SAXException](http://docs.google.com/org/xml/sax/SAXException.html), [SAXParseException](http://docs.google.com/org/xml/sax/SAXParseException.html)

### setEntityResolver

void **setEntityResolver**([EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) resolver)

**Deprecated.** Allow an application to register a custom entity resolver.

If the application does not register an entity resolver, the SAX parser will resolve system identifiers and open connections to entities itself (this is the default behaviour implemented in HandlerBase).

Applications may register a new or different entity resolver in the middle of a parse, and the SAX parser must begin using the new resolver immediately.

**Parameters:**resolver - The object for resolving entities.**See Also:**[EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html), [HandlerBase](http://docs.google.com/org/xml/sax/HandlerBase.html)

### setDTDHandler

void **setDTDHandler**([DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) handler)

**Deprecated.** Allow an application to register a DTD event handler.

If the application does not register a DTD handler, all DTD events reported by the SAX parser will be silently ignored (this is the default behaviour implemented by HandlerBase).

Applications may register a new or different handler in the middle of a parse, and the SAX parser must begin using the new handler immediately.

**Parameters:**handler - The DTD handler.**See Also:**[DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html), [HandlerBase](http://docs.google.com/org/xml/sax/HandlerBase.html)

### setDocumentHandler

void **setDocumentHandler**([DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) handler)

**Deprecated.** Allow an application to register a document event handler.

If the application does not register a document handler, all document events reported by the SAX parser will be silently ignored (this is the default behaviour implemented by HandlerBase).

Applications may register a new or different handler in the middle of a parse, and the SAX parser must begin using the new handler immediately.

**Parameters:**handler - The document handler.**See Also:**[DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html), [HandlerBase](http://docs.google.com/org/xml/sax/HandlerBase.html)

### setErrorHandler

void **setErrorHandler**([ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) handler)

**Deprecated.** Allow an application to register an error event handler.

If the application does not register an error event handler, all error events reported by the SAX parser will be silently ignored, except for fatalError, which will throw a SAXException (this is the default behaviour implemented by HandlerBase).

Applications may register a new or different handler in the middle of a parse, and the SAX parser must begin using the new handler immediately.

**Parameters:**handler - The error handler.**See Also:**[ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html), [SAXException](http://docs.google.com/org/xml/sax/SAXException.html), [HandlerBase](http://docs.google.com/org/xml/sax/HandlerBase.html)

### parse

void **parse**([InputSource](http://docs.google.com/org/xml/sax/InputSource.html) source)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

**Deprecated.** Parse an XML document.

The application can use this method to instruct the SAX parser to begin parsing an XML document from any valid input source (a character stream, a byte stream, or a URI).

Applications may not invoke this method while a parse is in progress (they should create a new Parser instead for each additional XML document). Once a parse is complete, an application may reuse the same Parser object, possibly with a different input source.

**Parameters:**source - The input source for the top-level of the XML document. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - Any SAX exception, possibly wrapping another exception. [IOException](http://docs.google.com/java/io/IOException.html) - An IO exception from the parser, possibly from a byte stream or character stream supplied by the application.**See Also:**[InputSource](http://docs.google.com/org/xml/sax/InputSource.html), [parse(java.lang.String)](http://docs.google.com/org/xml/sax/Parser.html#parse(java.lang.String)), [setEntityResolver(org.xml.sax.EntityResolver)](http://docs.google.com/org/xml/sax/Parser.html#setEntityResolver(org.xml.sax.EntityResolver)), [setDTDHandler(org.xml.sax.DTDHandler)](http://docs.google.com/org/xml/sax/Parser.html#setDTDHandler(org.xml.sax.DTDHandler)), [setDocumentHandler(org.xml.sax.DocumentHandler)](http://docs.google.com/org/xml/sax/Parser.html#setDocumentHandler(org.xml.sax.DocumentHandler)), [setErrorHandler(org.xml.sax.ErrorHandler)](http://docs.google.com/org/xml/sax/Parser.html#setErrorHandler(org.xml.sax.ErrorHandler))

### parse

void **parse**([String](http://docs.google.com/java/lang/String.html) systemId)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

**Deprecated.** Parse an XML document from a system identifier (URI).

This method is a shortcut for the common case of reading a document from a system identifier. It is the exact equivalent of the following:

parse(new InputSource(systemId));

If the system identifier is a URL, it must be fully resolved by the application before it is passed to the parser.

**Parameters:**systemId - The system identifier (URI). **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - Any SAX exception, possibly wrapping another exception. [IOException](http://docs.google.com/java/io/IOException.html) - An IO exception from the parser, possibly from a byte stream or character stream supplied by the application.**See Also:**[parse(org.xml.sax.InputSource)](http://docs.google.com/org/xml/sax/Parser.html#parse(org.xml.sax.InputSource))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Parser.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/org/xml/sax/Locator.html)   [**NEXT CLASS**](http://docs.google.com/org/xml/sax/SAXException.html) | [**FRAMES**](http://docs.google.com/index.html?org/xml/sax/Parser.html)    [**NO FRAMES**](http://docs.google.com/Parser.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).