| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PropertyResourceBundle.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/java/util/PropertyPermission.html)   [**NEXT CLASS**](http://docs.google.com/java/util/Queue.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/PropertyResourceBundle.html)    [**NO FRAMES**](http://docs.google.com/PropertyResourceBundle.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#tyjcwt) | [FIELD](#1t3h5sf) | [CONSTR](#4d34og8) | [METHOD](#2s8eyo1) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#1ksv4uv) |

## **java.util**

Class PropertyResourceBundle

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.util.ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html)  
 **java.util.PropertyResourceBundle**

public class **PropertyResourceBundle**extends [ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html)

PropertyResourceBundle is a concrete subclass of ResourceBundle that manages resources for a locale using a set of static strings from a property file. See [ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) for more information about resource bundles.

Unlike other types of resource bundle, you don't subclass PropertyResourceBundle. Instead, you supply properties files containing the resource data. ResourceBundle.getBundle will automatically look for the appropriate properties file and create a PropertyResourceBundle that refers to it. See [ResourceBundle.getBundle](http://docs.google.com/java/util/ResourceBundle.html#getBundle(java.lang.String,%20java.util.Locale,%20java.lang.ClassLoader)) for a complete description of the search and instantiation strategy.

The following example shows a member of a resource bundle family with the base name "MyResources". The text defines the bundle "MyResources\_de", the German member of the bundle family. This member is based on PropertyResourceBundle, and the text therefore is the content of the file "MyResources\_de.properties" (a related [example](http://docs.google.com/ListResourceBundle.html#sample) shows how you can add bundles to this family that are implemented as subclasses of ListResourceBundle). The keys in this example are of the form "s1" etc. The actual keys are entirely up to your choice, so long as they are the same as the keys you use in your program to retrieve the objects from the bundle. Keys are case-sensitive.

# MessageFormat pattern  
 s1=Die Platte \"{1}\" enthält {0}.  
  
 # location of {0} in pattern  
 s2=1  
  
 # sample disk name  
 s3=Meine Platte  
  
 # first ChoiceFormat choice  
 s4=keine Dateien  
  
 # second ChoiceFormat choice  
 s5=eine Datei  
  
 # third ChoiceFormat choice  
 s6={0,number} Dateien  
  
 # sample date  
 s7=3. März 1996

**Note:** PropertyResourceBundle can be constructed either from an InputStream or a Reader, which represents a property file. Constructing a PropertyResourceBundle instance from an InputStream requires that the input stream be encoded in ISO-8859-1. In that case, characters that cannot be represented in ISO-8859-1 encoding must be represented by [Unicode Escapes](http://java.sun.com/docs/books/jls/third_edition/html/lexical.html#3.3), whereas the other constructor which takes a Reader does not have that limitation.

**Since:** JDK1.1 **See Also:**[ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html), [ListResourceBundle](http://docs.google.com/java/util/ListResourceBundle.html), [Properties](http://docs.google.com/java/util/Properties.html)

| **Nested Class Summary** | |
| --- | --- |

| **Nested classes/interfaces inherited from class java.util.**[**ResourceBundle**](http://docs.google.com/java/util/ResourceBundle.html) |
| --- |
| [ResourceBundle.Control](http://docs.google.com/java/util/ResourceBundle.Control.html) |

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class java.util.**[**ResourceBundle**](http://docs.google.com/java/util/ResourceBundle.html) |
| --- |
| [parent](http://docs.google.com/java/util/ResourceBundle.html#parent) |

| **Constructor Summary** | |
| --- | --- |
| [**PropertyResourceBundle**](http://docs.google.com/java/util/PropertyResourceBundle.html#PropertyResourceBundle(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Creates a property resource bundle from an [InputStream](http://docs.google.com/java/io/InputStream.html). |
| [**PropertyResourceBundle**](http://docs.google.com/java/util/PropertyResourceBundle.html#PropertyResourceBundle(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Creates a property resource bundle from a [Reader](http://docs.google.com/java/io/Reader.html). |

| **Method Summary** | |
| --- | --- |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[String](http://docs.google.com/java/lang/String.html)> | [**getKeys**](http://docs.google.com/java/util/PropertyResourceBundle.html#getKeys())()            Returns an Enumeration of the keys contained in this ResourceBundle and its parent bundles. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**handleGetObject**](http://docs.google.com/java/util/PropertyResourceBundle.html#handleGetObject(java.lang.String))([String](http://docs.google.com/java/lang/String.html) key)            Gets an object for the given key from this resource bundle. |
| protected  [Set](http://docs.google.com/java/util/Set.html)<[String](http://docs.google.com/java/lang/String.html)> | [**handleKeySet**](http://docs.google.com/java/util/PropertyResourceBundle.html#handleKeySet())()            Returns a Set of the keys contained *only* in this ResourceBundle. |

| **Methods inherited from class java.util.**[**ResourceBundle**](http://docs.google.com/java/util/ResourceBundle.html) |
| --- |
| [clearCache](http://docs.google.com/java/util/ResourceBundle.html#clearCache()), [clearCache](http://docs.google.com/java/util/ResourceBundle.html#clearCache(java.lang.ClassLoader)), [containsKey](http://docs.google.com/java/util/ResourceBundle.html#containsKey(java.lang.String)), [getBundle](http://docs.google.com/java/util/ResourceBundle.html#getBundle(java.lang.String)), [getBundle](http://docs.google.com/java/util/ResourceBundle.html#getBundle(java.lang.String,%20java.util.Locale)), [getBundle](http://docs.google.com/java/util/ResourceBundle.html#getBundle(java.lang.String,%20java.util.Locale,%20java.lang.ClassLoader)), [getBundle](http://docs.google.com/java/util/ResourceBundle.html#getBundle(java.lang.String,%20java.util.Locale,%20java.lang.ClassLoader,%20java.util.ResourceBundle.Control)), [getBundle](http://docs.google.com/java/util/ResourceBundle.html#getBundle(java.lang.String,%20java.util.Locale,%20java.util.ResourceBundle.Control)), [getBundle](http://docs.google.com/java/util/ResourceBundle.html#getBundle(java.lang.String,%20java.util.ResourceBundle.Control)), [getLocale](http://docs.google.com/java/util/ResourceBundle.html#getLocale()), [getObject](http://docs.google.com/java/util/ResourceBundle.html#getObject(java.lang.String)), [getString](http://docs.google.com/java/util/ResourceBundle.html#getString(java.lang.String)), [getStringArray](http://docs.google.com/java/util/ResourceBundle.html#getStringArray(java.lang.String)), [keySet](http://docs.google.com/java/util/ResourceBundle.html#keySet()), [setParent](http://docs.google.com/java/util/ResourceBundle.html#setParent(java.util.ResourceBundle)) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### PropertyResourceBundle

public **PropertyResourceBundle**([InputStream](http://docs.google.com/java/io/InputStream.html) stream)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates a property resource bundle from an [InputStream](http://docs.google.com/java/io/InputStream.html). The property file read with this constructor must be encoded in ISO-8859-1.

**Parameters:**stream - an InputStream that represents a property file to read from. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if stream is null

### PropertyResourceBundle

public **PropertyResourceBundle**([Reader](http://docs.google.com/java/io/Reader.html) reader)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates a property resource bundle from a [Reader](http://docs.google.com/java/io/Reader.html). Unlike the constructor [PropertyResourceBundle(InputStream)](http://docs.google.com/java/util/PropertyResourceBundle.html#PropertyResourceBundle(java.io.InputStream)), there is no limitation as to the encoding of the input property file.

**Parameters:**reader - a Reader that represents a property file to read from. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if reader is null**Since:** 1.6

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

### handleGetObject

public [Object](http://docs.google.com/java/lang/Object.html) **handleGetObject**([String](http://docs.google.com/java/lang/String.html) key)

**Description copied from class:** [**ResourceBundle**](http://docs.google.com/java/util/ResourceBundle.html#handleGetObject(java.lang.String)) Gets an object for the given key from this resource bundle. Returns null if this resource bundle does not contain an object for the given key.

**Specified by:**[handleGetObject](http://docs.google.com/java/util/ResourceBundle.html#handleGetObject(java.lang.String)) in class [ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) **Parameters:**key - the key for the desired object **Returns:**the object for the given key, or null

### getKeys

public [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[String](http://docs.google.com/java/lang/String.html)> **getKeys**()

Returns an Enumeration of the keys contained in this ResourceBundle and its parent bundles.

**Specified by:**[getKeys](http://docs.google.com/java/util/ResourceBundle.html#getKeys()) in class [ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) **Returns:**an Enumeration of the keys contained in this ResourceBundle and its parent bundles.**See Also:**[ResourceBundle.keySet()](http://docs.google.com/java/util/ResourceBundle.html#keySet())

### handleKeySet

protected [Set](http://docs.google.com/java/util/Set.html)<[String](http://docs.google.com/java/lang/String.html)> **handleKeySet**()

Returns a Set of the keys contained *only* in this ResourceBundle.

**Overrides:**[handleKeySet](http://docs.google.com/java/util/ResourceBundle.html#handleKeySet()) in class [ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) **Returns:**a Set of the keys contained only in this ResourceBundle**Since:** 1.6 **See Also:**[ResourceBundle.keySet()](http://docs.google.com/java/util/ResourceBundle.html#keySet())

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PropertyResourceBundle.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/java/util/PropertyPermission.html)   [**NEXT CLASS**](http://docs.google.com/java/util/Queue.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/PropertyResourceBundle.html)    [**NO FRAMES**](http://docs.google.com/PropertyResourceBundle.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[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.

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