| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectOutputStream.PutField.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/io/ObjectOutputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/io/ObjectStreamClass.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/ObjectOutputStream.PutField.html)    [**NO FRAMES**](http://docs.google.com/ObjectOutputStream.PutField.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.io**

Class ObjectOutputStream.PutField

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.io.ObjectOutputStream.PutField**

**Enclosing class:**[ObjectOutputStream](http://docs.google.com/java/io/ObjectOutputStream.html)

public abstract static class **ObjectOutputStream.PutField**extends [Object](http://docs.google.com/java/lang/Object.html)

Provide programmatic access to the persistent fields to be written to ObjectOutput.

**Since:** 1.2

| **Constructor Summary** | |
| --- | --- |
| [**ObjectOutputStream.PutField**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#ObjectOutputStream.PutField())() |

| **Method Summary** | |
| --- | --- |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20boolean))([String](http://docs.google.com/java/lang/String.html) name, boolean val)            Put the value of the named boolean field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20byte))([String](http://docs.google.com/java/lang/String.html) name, byte val)            Put the value of the named byte field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20char))([String](http://docs.google.com/java/lang/String.html) name, char val)            Put the value of the named char field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20double))([String](http://docs.google.com/java/lang/String.html) name, double val)            Put the value of the named double field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20float))([String](http://docs.google.com/java/lang/String.html) name, float val)            Put the value of the named float field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) name, int val)            Put the value of the named int field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20long))([String](http://docs.google.com/java/lang/String.html) name, long val)            Put the value of the named long field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) val)            Put the value of the named Object field into the persistent field. |
| abstract  void | [**put**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#put(java.lang.String,%20short))([String](http://docs.google.com/java/lang/String.html) name, short val)            Put the value of the named short field into the persistent field. |
| abstract  void | [**write**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#write(java.io.ObjectOutput))([ObjectOutput](http://docs.google.com/java/io/ObjectOutput.html) out)  **Deprecated.** *This method does not write the values contained by this PutField object in a proper format, and may result in corruption of the serialization stream. The correct way to write PutField data is by calling the* [*ObjectOutputStream.writeFields()*](http://docs.google.com/java/io/ObjectOutputStream.html#writeFields()) *method.* |

| **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** |
| --- |

### ObjectOutputStream.PutField

public **ObjectOutputStream.PutField**()

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

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 boolean val)

Put the value of the named boolean field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not boolean

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 byte val)

Put the value of the named byte field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not byte

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 char val)

Put the value of the named char field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not char

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 short val)

Put the value of the named short field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not short

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 int val)

Put the value of the named int field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not int

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 long val)

Put the value of the named long field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not long

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 float val)

Put the value of the named float field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not float

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 double val)

Put the value of the named double field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not double

### put

public abstract void **put**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) val)

Put the value of the named Object field into the persistent field.

**Parameters:**name - the name of the serializable fieldval - the value to assign to the field (which may be null) **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if name does not match the name of a serializable field for the class whose fields are being written, or if the type of the named field is not a reference type

### write

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
public abstract void **write**([ObjectOutput](http://docs.google.com/java/io/ObjectOutput.html) out)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Deprecated.** *This method does not write the values contained by this PutField object in a proper format, and may result in corruption of the serialization stream. The correct way to write PutField data is by calling the* [*ObjectOutputStream.writeFields()*](http://docs.google.com/java/io/ObjectOutputStream.html#writeFields()) *method.*

Write the data and fields to the specified ObjectOutput stream, which must be the same stream that produced this PutField object.

**Parameters:**out - the stream to write the data and fields to **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if I/O errors occur while writing to the underlying stream [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the specified stream is not the same stream that produced this PutField object

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectOutputStream.PutField.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/io/ObjectOutputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/io/ObjectStreamClass.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/ObjectOutputStream.PutField.html)    [**NO FRAMES**](http://docs.google.com/ObjectOutputStream.PutField.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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).