| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/HashPrintJobAttributeSet.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/javax/print/attribute/HashDocAttributeSet.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/HashPrintRequestAttributeSet.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/HashPrintJobAttributeSet.html)    [**NO FRAMES**](http://docs.google.com/HashPrintJobAttributeSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | METHOD |

## **javax.print.attribute**

Class HashPrintJobAttributeSet

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.print.attribute.HashAttributeSet](http://docs.google.com/javax/print/attribute/HashAttributeSet.html)  
 **javax.print.attribute.HashPrintJobAttributeSet**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [AttributeSet](http://docs.google.com/javax/print/attribute/AttributeSet.html), [PrintJobAttributeSet](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html)

public class **HashPrintJobAttributeSet**extends [HashAttributeSet](http://docs.google.com/javax/print/attribute/HashAttributeSet.html)implements [PrintJobAttributeSet](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

Class HashPrintJobAttributeSet provides an attribute set which inherits its implementation from class [HashAttributeSet](http://docs.google.com/javax/print/attribute/HashAttributeSet.html) and enforces the semantic restrictions of interface [PrintJobAttributeSet](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html).

**See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.print.attribute.HashPrintJobAttributeSet)

| **Constructor Summary** | |
| --- | --- |
| [**HashPrintJobAttributeSet**](http://docs.google.com/javax/print/attribute/HashPrintJobAttributeSet.html#HashPrintJobAttributeSet())()            Construct a new, empty hash print job attribute set. |
| [**HashPrintJobAttributeSet**](http://docs.google.com/javax/print/attribute/HashPrintJobAttributeSet.html#HashPrintJobAttributeSet(javax.print.attribute.PrintJobAttribute))([PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html) attribute)            Construct a new hash print job attribute set, initially populated with the given value. |
| [**HashPrintJobAttributeSet**](http://docs.google.com/javax/print/attribute/HashPrintJobAttributeSet.html#HashPrintJobAttributeSet(javax.print.attribute.PrintJobAttribute%5B%5D))([PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html)[] attributes)            Construct a new hash print job attribute set, initially populated with the values from the given array. |
| [**HashPrintJobAttributeSet**](http://docs.google.com/javax/print/attribute/HashPrintJobAttributeSet.html#HashPrintJobAttributeSet(javax.print.attribute.PrintJobAttributeSet))([PrintJobAttributeSet](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html) attributes)            Construct a new attribute set, initially populated with the values from the given set where the members of the attribute set are restricted to the PrintJobAttribute interface. |

| **Method Summary** | |
| --- | --- |

| **Methods inherited from class javax.print.attribute.**[**HashAttributeSet**](http://docs.google.com/javax/print/attribute/HashAttributeSet.html) |
| --- |
| [add](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#add(javax.print.attribute.Attribute)), [addAll](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#addAll(javax.print.attribute.AttributeSet)), [clear](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#clear()), [containsKey](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#containsKey(java.lang.Class)), [containsValue](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#containsValue(javax.print.attribute.Attribute)), [equals](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#equals(java.lang.Object)), [get](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#get(java.lang.Class)), [hashCode](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#hashCode()), [isEmpty](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#isEmpty()), [remove](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#remove(javax.print.attribute.Attribute)), [remove](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#remove(java.lang.Class)), [size](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#size()), [toArray](http://docs.google.com/javax/print/attribute/HashAttributeSet.html#toArray()) |

| **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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [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)) |

| **Methods inherited from interface javax.print.attribute.**[**PrintJobAttributeSet**](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html) |
| --- |
| [add](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html#add(javax.print.attribute.Attribute)), [addAll](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html#addAll(javax.print.attribute.AttributeSet)) |

| **Methods inherited from interface javax.print.attribute.**[**AttributeSet**](http://docs.google.com/javax/print/attribute/AttributeSet.html) |
| --- |
| [clear](http://docs.google.com/javax/print/attribute/AttributeSet.html#clear()), [containsKey](http://docs.google.com/javax/print/attribute/AttributeSet.html#containsKey(java.lang.Class)), [containsValue](http://docs.google.com/javax/print/attribute/AttributeSet.html#containsValue(javax.print.attribute.Attribute)), [equals](http://docs.google.com/javax/print/attribute/AttributeSet.html#equals(java.lang.Object)), [get](http://docs.google.com/javax/print/attribute/AttributeSet.html#get(java.lang.Class)), [hashCode](http://docs.google.com/javax/print/attribute/AttributeSet.html#hashCode()), [isEmpty](http://docs.google.com/javax/print/attribute/AttributeSet.html#isEmpty()), [remove](http://docs.google.com/javax/print/attribute/AttributeSet.html#remove(javax.print.attribute.Attribute)), [remove](http://docs.google.com/javax/print/attribute/AttributeSet.html#remove(java.lang.Class)), [size](http://docs.google.com/javax/print/attribute/AttributeSet.html#size()), [toArray](http://docs.google.com/javax/print/attribute/AttributeSet.html#toArray()) |

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

### HashPrintJobAttributeSet

public **HashPrintJobAttributeSet**()

Construct a new, empty hash print job attribute set.

### HashPrintJobAttributeSet

public **HashPrintJobAttributeSet**([PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html) attribute)

Construct a new hash print job attribute set, initially populated with the given value.

**Parameters:**attribute - Attribute value to add to the set. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - (unchecked exception) Thrown if attribute is null.

### HashPrintJobAttributeSet

public **HashPrintJobAttributeSet**([PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html)[] attributes)

Construct a new hash print job attribute set, initially populated with the values from the given array. The new attribute set is populated by adding the elements of attributes array to the set in sequence, starting at index 0. Thus, later array elements may replace earlier array elements if the array contains duplicate attribute values or attribute categories.

**Parameters:**attributes - Array of attribute values to add to the set. If null, an empty attribute set is constructed. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - (unchecked exception) Thrown if any element of attributes is null.

### HashPrintJobAttributeSet

public **HashPrintJobAttributeSet**([PrintJobAttributeSet](http://docs.google.com/javax/print/attribute/PrintJobAttributeSet.html) attributes)

Construct a new attribute set, initially populated with the values from the given set where the members of the attribute set are restricted to the PrintJobAttribute interface.

**Parameters:**attributes - set of attribute values to initialise the set. If null, an empty attribute set is constructed. **Throws:** [ClassCastException](http://docs.google.com/java/lang/ClassCastException.html) - (unchecked exception) Thrown if any element of attributes is not an instance of PrintJobAttribute.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/HashPrintJobAttributeSet.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/javax/print/attribute/HashDocAttributeSet.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/HashPrintRequestAttributeSet.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/HashPrintJobAttributeSet.html)    [**NO FRAMES**](http://docs.google.com/HashPrintJobAttributeSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | METHOD |

[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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