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

**Uses of Interface**

**java.util.Map**

| Packages that use [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.datatransfer**](#2et92p0) | Provides interfaces and classes for transferring data between and within applications. |
| [**java.awt.font**](#tyjcwt) | Provides classes and interface relating to fonts. |
| [**java.awt.im**](#3dy6vkm) | Provides classes and interfaces for the input method framework. |
| [**java.lang**](#1t3h5sf) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.lang.management**](#4d34og8) | Provides the management interface for monitoring and management of the Java virtual machine as well as the operating system on which the Java virtual machine is running. |
| [**java.net**](#2s8eyo1) | Provides the classes for implementing networking applications. |
| [**java.security**](#17dp8vu) | Provides the classes and interfaces for the security framework. |
| [**java.sql**](#3rdcrjn) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.text**](#26in1rg) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |
| [**java.util**](#lnxbz9) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |
| [**java.util.concurrent**](#35nkun2) | Utility classes commonly useful in concurrent programming. |
| [**java.util.jar**](#1ksv4uv) | Provides classes for reading and writing the JAR (Java ARchive) file format, which is based on the standard ZIP file format with an optional manifest file. |
| [**javax.annotation.processing**](#44sinio) | Facilities for declaring annotation processors and for allowing annotation processors to communicate with an annotation processing tool environment. |
| [**javax.lang.model.element**](#2jxsxqh) | Interfaces used to model elements of the Java programming language. |
| [**javax.lang.model.util**](#z337ya) | Utilities to assist in the processing of [program elements](http://docs.google.com/javax/lang/model/element/package-summary.html) and [types](http://docs.google.com/javax/lang/model/type/package-summary.html). |
| [**javax.management**](#3j2qqm3) | Provides the core classes for the Java Management Extensions. |
| [**javax.management.loading**](#1y810tw) | Provides the classes which implement advanced dynamic loading. |
| [**javax.management.openmbean**](#4i7ojhp) | Provides the open data types and Open MBean descriptor classes. |
| [**javax.management.relation**](#2xcytpi) | Provides the definition of the Relation Service. |
| [**javax.management.remote**](#1ci93xb) | Interfaces for remote access to JMX MBean servers. |
| [**javax.management.remote.rmi**](#3whwml4) | The RMI connector is a connector for the JMX Remote API that uses RMI to transmit client requests to a remote MBean server. |
| [**javax.print.attribute.standard**](#2bn6wsx) | Package javax.print.attribute.standard contains classes for specific printing attributes. |
| [**javax.script**](#qsh70q) | The scripting API consists of interfaces and classes that define Java TM Scripting Engines and provides a framework for their use in Java applications. |
| [**javax.security.auth.login**](#3as4poj) | This package provides a pluggable authentication framework. |
| [**javax.security.auth.spi**](#1pxezwc) | This package provides the interface to be used for implementing pluggable authentication modules. |
| [**javax.security.auth.x500**](#49x2ik5) | This package contains the classes that should be used to store X500 Principal and X500 Private Crendentials in a *Subject*. |
| [**javax.security.sasl**](#2p2csry) | Contains class and interfaces for supporting SASL. |
| [**javax.sound.midi**](#147n2zr) | Provides interfaces and classes for I/O, sequencing, and synthesis of MIDI (Musical Instrument Digital Interface) data. |
| [**javax.sound.sampled**](#3o7alnk) | Provides interfaces and classes for capture, processing, and playback of sampled audio data. |
| [**javax.sql**](#23ckvvd) | Provides the API for server side data source access and processing from the JavaTM programming language. |
| [**javax.sql.rowset**](#ihv636) | Standard interfaces and base classes for JDBC RowSet implementations. |
| [**javax.sql.rowset.serial**](#32hioqz) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |
| [**javax.swing**](#1hmsyys) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.xml.bind**](#41mghml) | Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities. |
| [**javax.xml.crypto.dsig.spec**](#2grqrue) | Parameter classes for XML digital signatures. |
| [**javax.xml.ws**](#vx1227) | This package contains the core JAX-WS APIs. |
| [**javax.xml.ws.handler**](#3fwokq0) | This package defines APIs for message handlers. |
| [**javax.xml.ws.handler.soap**](#1v1yuxt) | This package defines APIs for SOAP message handlers. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Classes in [java.awt](http://docs.google.com/java/awt/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**RenderingHints**](http://docs.google.com/java/awt/RenderingHints.html)            The RenderingHints class defines and manages collections of keys and associated values which allow an application to provide input into the choice of algorithms used by other classes which perform rendering and image manipulation services. |

| Fields in [java.awt](http://docs.google.com/java/awt/package-summary.html) declared as [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| protected  [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **Toolkit.**[**desktopProperties**](http://docs.google.com/java/awt/Toolkit.html#desktopProperties) |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html),?> | **Font.**[**getAttributes**](http://docs.google.com/java/awt/Font.html#getAttributes())()            Returns a map of font attributes available in this Font. |
| abstract  [Map](http://docs.google.com/java/util/Map.html)<[TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html),?> | **Toolkit.**[**mapInputMethodHighlight**](http://docs.google.com/java/awt/Toolkit.html#mapInputMethodHighlight(java.awt.im.InputMethodHighlight))([InputMethodHighlight](http://docs.google.com/java/awt/im/InputMethodHighlight.html) highlight)            Returns a map of visual attributes for the abstract level description of the given input method highlight, or null if no mapping is found. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| abstract  void | **Graphics2D.**[**addRenderingHints**](http://docs.google.com/java/awt/Graphics2D.html#addRenderingHints(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<?,?> hints)            Sets the values of an arbitrary number of preferences for the rendering algorithms. |
| [Font](http://docs.google.com/java/awt/Font.html) | **Font.**[**deriveFont**](http://docs.google.com/java/awt/Font.html#deriveFont(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Creates a new Font object by replicating the current Font object and applying a new set of font attributes to it. |
| static [Font](http://docs.google.com/java/awt/Font.html) | **Font.**[**getFont**](http://docs.google.com/java/awt/Font.html#getFont(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Returns a Font appropriate to the attributes. |
| void | **RenderingHints.**[**putAll**](http://docs.google.com/java/awt/RenderingHints.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<?,?> m)            Copies all of the mappings from the specified Map to this RenderingHints. |
| abstract  void | **Graphics2D.**[**setRenderingHints**](http://docs.google.com/java/awt/Graphics2D.html#setRenderingHints(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<?,?> hints)            Replaces the values of all preferences for the rendering algorithms with the specified hints. |

| Constructors in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**Font**](http://docs.google.com/java/awt/Font.html#Font(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Creates a new Font with the specified attributes. |
| [**RenderingHints**](http://docs.google.com/java/awt/RenderingHints.html#RenderingHints(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[RenderingHints.Key](http://docs.google.com/java/awt/RenderingHints.Key.html),?> init)            Constructs a new object with keys and values initialized from the specified Map object which may be null. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) | |
| --- | --- |

| Methods in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)> | **SystemFlavorMap.**[**getFlavorsForNatives**](http://docs.google.com/java/awt/datatransfer/SystemFlavorMap.html#getFlavorsForNatives(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] natives)            Returns a Map of the specified String natives to their most preferred DataFlavor. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)> | **FlavorMap.**[**getFlavorsForNatives**](http://docs.google.com/java/awt/datatransfer/FlavorMap.html#getFlavorsForNatives(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] natives)            Returns a Map of the specified String natives to their corresponding DataFlavor. |
| [Map](http://docs.google.com/java/util/Map.html)<[DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html),[String](http://docs.google.com/java/lang/String.html)> | **SystemFlavorMap.**[**getNativesForFlavors**](http://docs.google.com/java/awt/datatransfer/SystemFlavorMap.html#getNativesForFlavors(java.awt.datatransfer.DataFlavor%5B%5D))([DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)[] flavors)            Returns a Map of the specified DataFlavors to their most preferred String native. |
| [Map](http://docs.google.com/java/util/Map.html)<[DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html),[String](http://docs.google.com/java/lang/String.html)> | **FlavorMap.**[**getNativesForFlavors**](http://docs.google.com/java/awt/datatransfer/FlavorMap.html#getNativesForFlavors(java.awt.datatransfer.DataFlavor%5B%5D))([DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)[] flavors)            Returns a Map of the specified DataFlavors to their corresponding String native. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) | |
| --- | --- |

| Constructors in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**TextLayout**](http://docs.google.com/java/awt/font/TextLayout.html#TextLayout(java.lang.String,%20java.util.Map,%20java.awt.font.FontRenderContext))([String](http://docs.google.com/java/lang/String.html) string, [Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Constructs a TextLayout from a String and an attribute set. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) | |
| --- | --- |

| Methods in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html),?> | **InputMethodHighlight.**[**getStyle**](http://docs.google.com/java/awt/im/InputMethodHighlight.html#getStyle())()            Returns the rendering style attributes for the text range, or null. |

| Constructors in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**InputMethodHighlight**](http://docs.google.com/java/awt/im/InputMethodHighlight.html#InputMethodHighlight(boolean,%20int,%20int,%20java.util.Map))(boolean selected, int state, int variation, [Map](http://docs.google.com/java/util/Map.html)<[TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html),?> style)            Constructs an input method highlight record. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> | **ProcessBuilder.**[**environment**](http://docs.google.com/java/lang/ProcessBuilder.html#environment())()            Returns a string map view of this process builder's environment. |
| static [Map](http://docs.google.com/java/util/Map.html)<[Thread](http://docs.google.com/java/lang/Thread.html),[StackTraceElement](http://docs.google.com/java/lang/StackTraceElement.html)[]> | **Thread.**[**getAllStackTraces**](http://docs.google.com/java/lang/Thread.html#getAllStackTraces())()            Returns a map of stack traces for all live threads. |
| static [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> | **System.**[**getenv**](http://docs.google.com/java/lang/System.html#getenv())()            Returns an unmodifiable string map view of the current system environment. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.lang.management](http://docs.google.com/java/lang/management/package-summary.html) | |
| --- | --- |

| Methods in [java.lang.management](http://docs.google.com/java/lang/management/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> | **RuntimeMXBean.**[**getSystemProperties**](http://docs.google.com/java/lang/management/RuntimeMXBean.html#getSystemProperties())()            Returns a map of names and values of all system properties. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.net](http://docs.google.com/java/net/package-summary.html) | |
| --- | --- |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **CookieManager.**[**get**](http://docs.google.com/java/net/CookieManager.html#get(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> requestHeaders) |
| abstract  [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **CookieHandler.**[**get**](http://docs.google.com/java/net/CookieHandler.html#get(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> requestHeaders)            Gets all the applicable cookies from a cookie cache for the specified uri in the request header. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **URLConnection.**[**getHeaderFields**](http://docs.google.com/java/net/URLConnection.html#getHeaderFields())()            Returns an unmodifiable Map of the header fields. |
| abstract  [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **CacheResponse.**[**getHeaders**](http://docs.google.com/java/net/CacheResponse.html#getHeaders())()            Returns the response headers as a Map. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **URLConnection.**[**getRequestProperties**](http://docs.google.com/java/net/URLConnection.html#getRequestProperties())()            Returns an unmodifiable Map of general request properties for this connection. |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **CookieManager.**[**get**](http://docs.google.com/java/net/CookieManager.html#get(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> requestHeaders) |
| abstract  [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **CookieHandler.**[**get**](http://docs.google.com/java/net/CookieHandler.html#get(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> requestHeaders)            Gets all the applicable cookies from a cookie cache for the specified uri in the request header. |
| abstract  [CacheResponse](http://docs.google.com/java/net/CacheResponse.html) | **ResponseCache.**[**get**](http://docs.google.com/java/net/ResponseCache.html#get(java.net.URI,%20java.lang.String,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [String](http://docs.google.com/java/lang/String.html) rqstMethod, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> rqstHeaders)            Retrieve the cached response based on the requesting uri, request method and request headers. |
| void | **CookieManager.**[**put**](http://docs.google.com/java/net/CookieManager.html#put(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> responseHeaders) |
| abstract  void | **CookieHandler.**[**put**](http://docs.google.com/java/net/CookieHandler.html#put(java.net.URI,%20java.util.Map))([URI](http://docs.google.com/java/net/URI.html) uri, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> responseHeaders)            Sets all the applicable cookies, examples are response header fields that are named Set-Cookie2, present in the response headers into a cookie cache. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |

| Classes in [java.security](http://docs.google.com/java/security/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**AuthProvider**](http://docs.google.com/java/security/AuthProvider.html)            This class defines login and logout methods for a provider. |
| class | [**Provider**](http://docs.google.com/java/security/Provider.html)            This class represents a "provider" for the Java Security API, where a provider implements some or all parts of Java Security. |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| static [Provider](http://docs.google.com/java/security/Provider.html)[] | **Security.**[**getProviders**](http://docs.google.com/java/security/Security.html#getProviders(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> filter)            Returns an array containing all installed providers that satisfy the specified\* selection criteria, or null if no such providers have been installed. |
| void | **Provider.**[**putAll**](http://docs.google.com/java/security/Provider.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<?,?> t)            Copies all of the mappings from the specified Map to this provider. |

| Constructors in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**Provider.Service**](http://docs.google.com/java/security/Provider.Service.html#Provider.Service(java.security.Provider,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.List,%20java.util.Map))([Provider](http://docs.google.com/java/security/Provider.html) provider, [String](http://docs.google.com/java/lang/String.html) type, [String](http://docs.google.com/java/lang/String.html) algorithm, [String](http://docs.google.com/java/lang/String.html) className, [List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)> aliases, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> attributes)            Construct a new service. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.sql](http://docs.google.com/java/sql/package-summary.html) | |
| --- | --- |

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> | **SQLClientInfoException.**[**getFailedProperties**](http://docs.google.com/java/sql/SQLClientInfoException.html#getFailedProperties())()            Returns the list of client info properties that could not be set. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> | **Connection.**[**getTypeMap**](http://docs.google.com/java/sql/Connection.html#getTypeMap())()            Retrieves the Map object associated with this Connection object. |

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **Array.**[**getArray**](http://docs.google.com/java/sql/Array.html#getArray(long,%20int,%20java.util.Map))(long index, int count, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retreives a slice of the SQL ARRAY value designated by this Array object, beginning with the specified index and containing up to count successive elements of the SQL array. |
| [Object](http://docs.google.com/java/lang/Object.html) | **Array.**[**getArray**](http://docs.google.com/java/sql/Array.html#getArray(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves the contents of the SQL ARRAY value designated by this Array object. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | **Struct.**[**getAttributes**](http://docs.google.com/java/sql/Struct.html#getAttributes(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Produces the ordered values of the attributes of the SQL structured type that this Struct object represents. |
| [Object](http://docs.google.com/java/lang/Object.html) | **CallableStatement.**[**getObject**](http://docs.google.com/java/sql/CallableStatement.html#getObject(int,%20java.util.Map))(int parameterIndex, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Returns an object representing the value of OUT parameter parameterIndex and uses map for the custom mapping of the parameter value. |
| [Object](http://docs.google.com/java/lang/Object.html) | **ResultSet.**[**getObject**](http://docs.google.com/java/sql/ResultSet.html#getObject(int,%20java.util.Map))(int columnIndex, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves the value of the designated column in the current row of this ResultSet object as an Object in the Java programming language. |
| [Object](http://docs.google.com/java/lang/Object.html) | **Ref.**[**getObject**](http://docs.google.com/java/sql/Ref.html#getObject(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves the referenced object and maps it to a Java type using the given type map. |
| [Object](http://docs.google.com/java/lang/Object.html) | **CallableStatement.**[**getObject**](http://docs.google.com/java/sql/CallableStatement.html#getObject(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) parameterName, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Returns an object representing the value of OUT parameter parameterName and uses map for the custom mapping of the parameter value. |
| [Object](http://docs.google.com/java/lang/Object.html) | **ResultSet.**[**getObject**](http://docs.google.com/java/sql/ResultSet.html#getObject(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves the value of the designated column in the current row of this ResultSet object as an Object in the Java programming language. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **Array.**[**getResultSet**](http://docs.google.com/java/sql/Array.html#getResultSet(long,%20int,%20java.util.Map))(long index, int count, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves a result set holding the elements of the subarray that starts at index index and contains up to count successive elements. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **Array.**[**getResultSet**](http://docs.google.com/java/sql/Array.html#getResultSet(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves a result set that contains the elements of the SQL ARRAY value designated by this Array object. |
| void | **Connection.**[**setTypeMap**](http://docs.google.com/java/sql/Connection.html#setTypeMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Installs the given TypeMap object as the type map for this Connection object. |

| Constructors in [java.sql](http://docs.google.com/java/sql/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties)            Constructs a SQLClientInfoException object initialized with a given failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.util.Map,%20java.lang.Throwable))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given cause and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) reason, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties)            Constructs a SQLClientInfoException object initialized with a given reason and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.util.Map,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given reason, cause and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.lang.String,%20int,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties)            Constructs a SQLClientInfoException object initialized with a given reason, SQLState, vendorCode and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.lang.String,%20int,%20java.util.Map,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given reason, SQLState, cause, vendorCode and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties)            Constructs a SQLClientInfoException object initialized with a given reason, SQLState and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.lang.String,%20java.util.Map,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given reason, SQLState, cause and failedProperties. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
| --- | --- |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),[Object](http://docs.google.com/java/lang/Object.html)> | **AttributedCharacterIterator.**[**getAttributes**](http://docs.google.com/java/text/AttributedCharacterIterator.html#getAttributes())()            Returns a map with the attributes defined on the current character. |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **AttributedString.**[**addAttributes**](http://docs.google.com/java/text/AttributedString.html#addAttributes(java.util.Map,%20int,%20int))([Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes, int beginIndex, int endIndex)            Adds a set of attributes to a subrange of the string. |

| Constructors in [java.text](http://docs.google.com/java/text/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**AttributedString**](http://docs.google.com/java/text/AttributedString.html#AttributedString(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) text, [Map](http://docs.google.com/java/util/Map.html)<? extends [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html),?> attributes)            Constructs an AttributedString instance with the given text and attributes. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Map](http://docs.google.com/java/util/Map.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |
| interface | [**NavigableMap<K,V>**](http://docs.google.com/java/util/NavigableMap.html)            A [SortedMap](http://docs.google.com/java/util/SortedMap.html) extended with navigation methods returning the closest matches for given search targets. |
| interface | [**SortedMap<K,V>**](http://docs.google.com/java/util/SortedMap.html)            A [Map](http://docs.google.com/java/util/Map.html) that further provides a *total ordering* on its keys. |

| Classes in [java.util](http://docs.google.com/java/util/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**AbstractMap<K,V>**](http://docs.google.com/java/util/AbstractMap.html)            This class provides a skeletal implementation of the Map interface, to minimize the effort required to implement this interface. |
| class | [**EnumMap<K extends Enum<K>,V>**](http://docs.google.com/java/util/EnumMap.html)            A specialized [Map](http://docs.google.com/java/util/Map.html) implementation for use with enum type keys. |
| class | [**HashMap<K,V>**](http://docs.google.com/java/util/HashMap.html)            Hash table based implementation of the Map interface. |
| class | [**Hashtable<K,V>**](http://docs.google.com/java/util/Hashtable.html)            This class implements a hashtable, which maps keys to values. |
| class | [**IdentityHashMap<K,V>**](http://docs.google.com/java/util/IdentityHashMap.html)            This class implements the Map interface with a hash table, using reference-equality in place of object-equality when comparing keys (and values). |
| class | [**LinkedHashMap<K,V>**](http://docs.google.com/java/util/LinkedHashMap.html)            Hash table and linked list implementation of the Map interface, with predictable iteration order. |
| class | [**Properties**](http://docs.google.com/java/util/Properties.html)            The Properties class represents a persistent set of properties. |
| class | [**TreeMap<K,V>**](http://docs.google.com/java/util/TreeMap.html)            A Red-Black tree based [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) implementation. |
| class | [**WeakHashMap<K,V>**](http://docs.google.com/java/util/WeakHashMap.html)            A hashtable-based Map implementation with *weak keys*. |

| Fields in [java.util](http://docs.google.com/java/util/package-summary.html) declared as [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| static [Map](http://docs.google.com/java/util/Map.html) | **Collections.**[**EMPTY\_MAP**](http://docs.google.com/java/util/Collections.html#EMPTY_MAP)            The empty map (immutable). |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**checkedMap**](http://docs.google.com/java/util/Collections.html#checkedMap(java.util.Map,%20java.lang.Class,%20java.lang.Class))([Map](http://docs.google.com/java/util/Map.html)<K,V> m, [Class](http://docs.google.com/java/lang/Class.html)<K> keyType, [Class](http://docs.google.com/java/lang/Class.html)<V> valueType)            Returns a dynamically typesafe view of the specified map. |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**emptyMap**](http://docs.google.com/java/util/Collections.html#emptyMap())()            Returns the empty map (immutable). |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Integer](http://docs.google.com/java/lang/Integer.html)> | **Calendar.**[**getDisplayNames**](http://docs.google.com/java/util/Calendar.html#getDisplayNames(int,%20int,%20java.util.Locale))(int field, int style, [Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a Map containing all names of the calendar field in the given style and locale and their corresponding field values. |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**singletonMap**](http://docs.google.com/java/util/Collections.html#singletonMap(K,%20V))(K key, V value)            Returns an immutable map, mapping only the specified key to the specified value. |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**synchronizedMap**](http://docs.google.com/java/util/Collections.html#synchronizedMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<K,V> m)            Returns a synchronized (thread-safe) map backed by the specified map. |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**unmodifiableMap**](http://docs.google.com/java/util/Collections.html#unmodifiableMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends K,? extends V> m)            Returns an unmodifiable view of the specified map. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**checkedMap**](http://docs.google.com/java/util/Collections.html#checkedMap(java.util.Map,%20java.lang.Class,%20java.lang.Class))([Map](http://docs.google.com/java/util/Map.html)<K,V> m, [Class](http://docs.google.com/java/lang/Class.html)<K> keyType, [Class](http://docs.google.com/java/lang/Class.html)<V> valueType)            Returns a dynamically typesafe view of the specified map. |
| static   | <E> [Set](http://docs.google.com/java/util/Set.html)<E> | | --- | | **Collections.**[**newSetFromMap**](http://docs.google.com/java/util/Collections.html#newSetFromMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<E,[Boolean](http://docs.google.com/java/lang/Boolean.html)> map)            Returns a set backed by the specified map. |
| void | **EnumMap.**[**putAll**](http://docs.google.com/java/util/EnumMap.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/EnumMap.html),? extends [V](http://docs.google.com/java/util/EnumMap.html)> m)            Copies all of the mappings from the specified map to this map. |
| void | **WeakHashMap.**[**putAll**](http://docs.google.com/java/util/WeakHashMap.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/WeakHashMap.html),? extends [V](http://docs.google.com/java/util/WeakHashMap.html)> m)            Copies all of the mappings from the specified map to this map. |
| void | **TreeMap.**[**putAll**](http://docs.google.com/java/util/TreeMap.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/TreeMap.html),? extends [V](http://docs.google.com/java/util/TreeMap.html)> map)            Copies all of the mappings from the specified map to this map. |
| void | **IdentityHashMap.**[**putAll**](http://docs.google.com/java/util/IdentityHashMap.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/IdentityHashMap.html),? extends [V](http://docs.google.com/java/util/IdentityHashMap.html)> m)            Copies all of the mappings from the specified map to this map. |
| void | **AbstractMap.**[**putAll**](http://docs.google.com/java/util/AbstractMap.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/AbstractMap.html),? extends [V](http://docs.google.com/java/util/AbstractMap.html)> m)            Copies all of the mappings from the specified map to this map (optional operation). |
| void | **HashMap.**[**putAll**](http://docs.google.com/java/util/HashMap.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/HashMap.html),? extends [V](http://docs.google.com/java/util/HashMap.html)> m)            Copies all of the mappings from the specified map to this map. |
| void | **Hashtable.**[**putAll**](http://docs.google.com/java/util/Hashtable.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/Hashtable.html),? extends [V](http://docs.google.com/java/util/Hashtable.html)> t)            Copies all of the mappings from the specified map to this hashtable. |
| void | **Map.**[**putAll**](http://docs.google.com/java/util/Map.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/Map.html),? extends [V](http://docs.google.com/java/util/Map.html)> m)            Copies all of the mappings from the specified map to this map (optional operation). |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**synchronizedMap**](http://docs.google.com/java/util/Collections.html#synchronizedMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<K,V> m)            Returns a synchronized (thread-safe) map backed by the specified map. |
| static   | <K,V> [Map](http://docs.google.com/java/util/Map.html)<K,V> | | --- | | **Collections.**[**unmodifiableMap**](http://docs.google.com/java/util/Collections.html#unmodifiableMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends K,? extends V> m)            Returns an unmodifiable view of the specified map. |

| Constructors in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**EnumMap**](http://docs.google.com/java/util/EnumMap.html#EnumMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[K](http://docs.google.com/java/util/EnumMap.html),? extends [V](http://docs.google.com/java/util/EnumMap.html)> m)            Creates an enum map initialized from the specified map. |
| [**HashMap**](http://docs.google.com/java/util/HashMap.html#HashMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/HashMap.html),? extends [V](http://docs.google.com/java/util/HashMap.html)> m)            Constructs a new HashMap with the same mappings as the specified Map. |
| [**Hashtable**](http://docs.google.com/java/util/Hashtable.html#Hashtable(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/Hashtable.html),? extends [V](http://docs.google.com/java/util/Hashtable.html)> t)            Constructs a new hashtable with the same mappings as the given Map. |
| [**IdentityHashMap**](http://docs.google.com/java/util/IdentityHashMap.html#IdentityHashMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/IdentityHashMap.html),? extends [V](http://docs.google.com/java/util/IdentityHashMap.html)> m)            Constructs a new identity hash map containing the keys-value mappings in the specified map. |
| [**LinkedHashMap**](http://docs.google.com/java/util/LinkedHashMap.html#LinkedHashMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/LinkedHashMap.html),? extends [V](http://docs.google.com/java/util/LinkedHashMap.html)> m)            Constructs an insertion-ordered LinkedHashMap instance with the same mappings as the specified map. |
| [**TreeMap**](http://docs.google.com/java/util/TreeMap.html#TreeMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/TreeMap.html),? extends [V](http://docs.google.com/java/util/TreeMap.html)> m)            Constructs a new tree map containing the same mappings as the given map, ordered according to the *natural ordering* of its keys. |
| [**WeakHashMap**](http://docs.google.com/java/util/WeakHashMap.html#WeakHashMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/WeakHashMap.html),? extends [V](http://docs.google.com/java/util/WeakHashMap.html)> m)            Constructs a new WeakHashMap with the same mappings as the specified map. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Map](http://docs.google.com/java/util/Map.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |
| interface | [**ConcurrentMap<K,V>**](http://docs.google.com/java/util/concurrent/ConcurrentMap.html)            A [Map](http://docs.google.com/java/util/Map.html) providing additional atomic putIfAbsent, remove, and replace methods. |
| interface | [**ConcurrentNavigableMap<K,V>**](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html)            A [ConcurrentMap](http://docs.google.com/java/util/concurrent/ConcurrentMap.html) supporting [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) operations, and recursively so for its navigable sub-maps. |

| Classes in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**ConcurrentHashMap<K,V>**](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html)            A hash table supporting full concurrency of retrievals and adjustable expected concurrency for updates. |
| class | [**ConcurrentSkipListMap<K,V>**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html)            A scalable concurrent [ConcurrentNavigableMap](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html) implementation. |

| Methods in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **ConcurrentHashMap.**[**putAll**](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html),? extends [V](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html)> m)            Copies all of the mappings from the specified map to this one. |

| Constructors in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**ConcurrentHashMap**](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html#ConcurrentHashMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html),? extends [V](http://docs.google.com/java/util/concurrent/ConcurrentHashMap.html)> m)            Creates a new map with the same mappings as the given map. |
| [**ConcurrentSkipListMap**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html#ConcurrentSkipListMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [K](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html),? extends [V](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html)> m)            Constructs a new map containing the same mappings as the given map, sorted according to the [natural ordering](http://docs.google.com/java/lang/Comparable.html) of the keys. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) | |
| --- | --- |

| Classes in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**Attributes**](http://docs.google.com/java/util/jar/Attributes.html)            The Attributes class maps Manifest attribute names to associated string values. |

| Fields in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) declared as [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| protected  [Map](http://docs.google.com/java/util/Map.html)<[Object](http://docs.google.com/java/lang/Object.html),[Object](http://docs.google.com/java/lang/Object.html)> | **Attributes.**[**map**](http://docs.google.com/java/util/jar/Attributes.html#map)            The attribute name-value mappings. |

| Methods in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Attributes](http://docs.google.com/java/util/jar/Attributes.html)> | **Manifest.**[**getEntries**](http://docs.google.com/java/util/jar/Manifest.html#getEntries())()            Returns a Map of the entries contained in this Manifest. |

| Methods in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **Attributes.**[**putAll**](http://docs.google.com/java/util/jar/Attributes.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<?,?> attr)            Copies all of the attribute name-value mappings from the specified Attributes to this Map. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) | |
| --- | --- |

| Methods in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> | **ProcessingEnvironment.**[**getOptions**](http://docs.google.com/javax/annotation/processing/ProcessingEnvironment.html#getOptions())()            Returns the processor-specific options passed to the annotation processing tool. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) | |
| --- | --- |

| Methods in [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<? extends [ExecutableElement](http://docs.google.com/javax/lang/model/element/ExecutableElement.html),? extends [AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html)> | **AnnotationMirror.**[**getElementValues**](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html#getElementValues())()            Returns the values of this annotation's elements. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) | |
| --- | --- |

| Methods in [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<? extends [ExecutableElement](http://docs.google.com/javax/lang/model/element/ExecutableElement.html),? extends [AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html)> | **Elements.**[**getElementValuesWithDefaults**](http://docs.google.com/javax/lang/model/util/Elements.html#getElementValuesWithDefaults(javax.lang.model.element.AnnotationMirror))([AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a)            Returns the values of an annotation's elements, including defaults. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.management](http://docs.google.com/javax/management/package-summary.html) | |
| --- | --- |

| Constructors in [javax.management](http://docs.google.com/javax/management/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**ImmutableDescriptor**](http://docs.google.com/javax/management/ImmutableDescriptor.html#ImmutableDescriptor(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> fields)            Construct a descriptor where the names and values of the fields are the keys and values of the given Map. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.management.loading](http://docs.google.com/javax/management/loading/package-summary.html) | |
| --- | --- |

| Methods in [javax.management.loading](http://docs.google.com/javax/management/loading/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> | **MLetContent.**[**getAttributes**](http://docs.google.com/javax/management/loading/MLetContent.html#getAttributes())()            Gets the attributes of the MLET tag. |

| Constructors in [javax.management.loading](http://docs.google.com/javax/management/loading/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**MLetContent**](http://docs.google.com/javax/management/loading/MLetContent.html#MLetContent(java.net.URL,%20java.util.Map,%20java.util.List,%20java.util.List))([URL](http://docs.google.com/java/net/URL.html) url, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> attributes, [List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)> types, [List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)> values)            Creates an MLet instance initialized with attributes read from an MLET tag in an MLet text file. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) | |
| --- | --- |

| Classes in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**TabularDataSupport**](http://docs.google.com/javax/management/openmbean/TabularDataSupport.html)            The TabularDataSupport class is the *open data* class which implements the TabularData and the Map interfaces, and which is internally based on a hash map data structure. |

| Methods in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **TabularDataSupport.**[**putAll**](http://docs.google.com/javax/management/openmbean/TabularDataSupport.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<?,?> t)            Add all the values contained in the specified map t to this TabularData instance. |

| Constructors in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**CompositeDataSupport**](http://docs.google.com/javax/management/openmbean/CompositeDataSupport.html#CompositeDataSupport(javax.management.openmbean.CompositeType,%20java.util.Map))([CompositeType](http://docs.google.com/javax/management/openmbean/CompositeType.html) compositeType, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> items)             Constructs a CompositeDataSupport instance with the specified compositeType, whose item names and corresponding values are given by the mappings in the map items. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) | |
| --- | --- |

| Methods in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **RelationServiceMBean.**[**findAssociatedMBeans**](http://docs.google.com/javax/management/relation/RelationServiceMBean.html#findAssociatedMBeans(javax.management.ObjectName,%20java.lang.String,%20java.lang.String))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) mbeanName, [String](http://docs.google.com/java/lang/String.html) relationTypeName, [String](http://docs.google.com/java/lang/String.html) roleName)            Retrieves the MBeans associated to given one in a relation. |
| [Map](http://docs.google.com/java/util/Map.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **RelationService.**[**findAssociatedMBeans**](http://docs.google.com/javax/management/relation/RelationService.html#findAssociatedMBeans(javax.management.ObjectName,%20java.lang.String,%20java.lang.String))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) mbeanName, [String](http://docs.google.com/java/lang/String.html) relationTypeName, [String](http://docs.google.com/java/lang/String.html) roleName)            Retrieves the MBeans associated to given one in a relation. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **RelationServiceMBean.**[**findReferencingRelations**](http://docs.google.com/javax/management/relation/RelationServiceMBean.html#findReferencingRelations(javax.management.ObjectName,%20java.lang.String,%20java.lang.String))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) mbeanName, [String](http://docs.google.com/java/lang/String.html) relationTypeName, [String](http://docs.google.com/java/lang/String.html) roleName)            Retrieves the relations where a given MBean is referenced. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **RelationService.**[**findReferencingRelations**](http://docs.google.com/javax/management/relation/RelationService.html#findReferencingRelations(javax.management.ObjectName,%20java.lang.String,%20java.lang.String))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) mbeanName, [String](http://docs.google.com/java/lang/String.html) relationTypeName, [String](http://docs.google.com/java/lang/String.html) roleName)            Retrieves the relations where a given MBean is referenced. |
| [Map](http://docs.google.com/java/util/Map.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **RelationSupport.**[**getReferencedMBeans**](http://docs.google.com/javax/management/relation/RelationSupport.html#getReferencedMBeans())()            Retrieves MBeans referenced in the various roles of the relation. |
| [Map](http://docs.google.com/java/util/Map.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **Relation.**[**getReferencedMBeans**](http://docs.google.com/javax/management/relation/Relation.html#getReferencedMBeans())()            Retrieves MBeans referenced in the various roles of the relation. |
| [Map](http://docs.google.com/java/util/Map.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **RelationServiceMBean.**[**getReferencedMBeans**](http://docs.google.com/javax/management/relation/RelationServiceMBean.html#getReferencedMBeans(java.lang.String))([String](http://docs.google.com/java/lang/String.html) relationId)            Retrieves MBeans referenced in the various roles of the relation. |
| [Map](http://docs.google.com/java/util/Map.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html),[List](http://docs.google.com/java/util/List.html)<[String](http://docs.google.com/java/lang/String.html)>> | **RelationService.**[**getReferencedMBeans**](http://docs.google.com/javax/management/relation/RelationService.html#getReferencedMBeans(java.lang.String))([String](http://docs.google.com/java/lang/String.html) relationId)            Retrieves MBeans referenced in the various roles of the relation. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) | |
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| Methods in [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> | **JMXConnectorServerMBean.**[**getAttributes**](http://docs.google.com/javax/management/remote/JMXConnectorServerMBean.html#getAttributes())()            The attributes for this connector server. |

| Methods in [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| static [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html) | **JMXConnectorFactory.**[**connect**](http://docs.google.com/javax/management/remote/JMXConnectorFactory.html#connect(javax.management.remote.JMXServiceURL,%20java.util.Map))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) serviceURL, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment)            Creates a connection to the connector server at the given address. |
| void | **JMXConnector.**[**connect**](http://docs.google.com/javax/management/remote/JMXConnector.html#connect(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Establishes the connection to the connector server. |
| [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html) | **JMXConnectorProvider.**[**newJMXConnector**](http://docs.google.com/javax/management/remote/JMXConnectorProvider.html#newJMXConnector(javax.management.remote.JMXServiceURL,%20java.util.Map))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) serviceURL, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment)            Creates a new connector client that is ready to connect to the connector server at the given address. |
| static [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html) | **JMXConnectorFactory.**[**newJMXConnector**](http://docs.google.com/javax/management/remote/JMXConnectorFactory.html#newJMXConnector(javax.management.remote.JMXServiceURL,%20java.util.Map))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) serviceURL, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment)            Creates a connector client for the connector server at the given address. |
| [JMXConnectorServer](http://docs.google.com/javax/management/remote/JMXConnectorServer.html) | **JMXConnectorServerProvider.**[**newJMXConnectorServer**](http://docs.google.com/javax/management/remote/JMXConnectorServerProvider.html#newJMXConnectorServer(javax.management.remote.JMXServiceURL,%20java.util.Map,%20javax.management.MBeanServer))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) serviceURL, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment, [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) mbeanServer)            Creates a new connector server at the given address. |
| static [JMXConnectorServer](http://docs.google.com/javax/management/remote/JMXConnectorServer.html) | **JMXConnectorServerFactory.**[**newJMXConnectorServer**](http://docs.google.com/javax/management/remote/JMXConnectorServerFactory.html#newJMXConnectorServer(javax.management.remote.JMXServiceURL,%20java.util.Map,%20javax.management.MBeanServer))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) serviceURL, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment, [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) mbeanServer)            Creates a connector server at the given address. |
| [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html) | **JMXConnectorServer.**[**toJMXConnector**](http://docs.google.com/javax/management/remote/JMXConnectorServer.html#toJMXConnector(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Returns a client stub for this connector server. |
| [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html) | **JMXConnectorServerMBean.**[**toJMXConnector**](http://docs.google.com/javax/management/remote/JMXConnectorServerMBean.html#toJMXConnector(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Returns a client stub for this connector server. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.management.remote.rmi](http://docs.google.com/javax/management/remote/rmi/package-summary.html) | |
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| Methods in [javax.management.remote.rmi](http://docs.google.com/javax/management/remote/rmi/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
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| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> | **RMIConnectorServer.**[**getAttributes**](http://docs.google.com/javax/management/remote/rmi/RMIConnectorServer.html#getAttributes())() |

| Methods in [javax.management.remote.rmi](http://docs.google.com/javax/management/remote/rmi/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **RMIConnector.**[**connect**](http://docs.google.com/javax/management/remote/rmi/RMIConnector.html#connect(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment) |
| [JMXConnector](http://docs.google.com/javax/management/remote/JMXConnector.html) | **RMIConnectorServer.**[**toJMXConnector**](http://docs.google.com/javax/management/remote/rmi/RMIConnectorServer.html#toJMXConnector(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Returns a client stub for this connector server. |

| Constructors in [javax.management.remote.rmi](http://docs.google.com/javax/management/remote/rmi/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
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| [**RMIConnectionImpl**](http://docs.google.com/javax/management/remote/rmi/RMIConnectionImpl.html#RMIConnectionImpl(javax.management.remote.rmi.RMIServerImpl,%20java.lang.String,%20java.lang.ClassLoader,%20javax.security.auth.Subject,%20java.util.Map))([RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) rmiServer, [String](http://docs.google.com/java/lang/String.html) connectionId, [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) defaultClassLoader, [Subject](http://docs.google.com/javax/security/auth/Subject.html) subject, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Constructs a new [RMIConnection](http://docs.google.com/javax/management/remote/rmi/RMIConnection.html). |
| [**RMIConnector**](http://docs.google.com/javax/management/remote/rmi/RMIConnector.html#RMIConnector(javax.management.remote.JMXServiceURL,%20java.util.Map))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) url, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment)            Constructs an RMIConnector that will connect the RMI connector server with the given address. |
| [**RMIConnector**](http://docs.google.com/javax/management/remote/rmi/RMIConnector.html#RMIConnector(javax.management.remote.rmi.RMIServer,%20java.util.Map))([RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) rmiServer, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment)            Constructs an RMIConnector using the given RMI stub. |
| [**RMIConnectorServer**](http://docs.google.com/javax/management/remote/rmi/RMIConnectorServer.html#RMIConnectorServer(javax.management.remote.JMXServiceURL,%20java.util.Map))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) url, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment)            Makes an RMIConnectorServer. |
| [**RMIConnectorServer**](http://docs.google.com/javax/management/remote/rmi/RMIConnectorServer.html#RMIConnectorServer(javax.management.remote.JMXServiceURL,%20java.util.Map,%20javax.management.MBeanServer))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) url, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment, [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) mbeanServer)            Makes an RMIConnectorServer for the given MBean server. |
| [**RMIConnectorServer**](http://docs.google.com/javax/management/remote/rmi/RMIConnectorServer.html#RMIConnectorServer(javax.management.remote.JMXServiceURL,%20java.util.Map,%20javax.management.remote.rmi.RMIServerImpl,%20javax.management.MBeanServer))([JMXServiceURL](http://docs.google.com/javax/management/remote/JMXServiceURL.html) url, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> environment, [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) rmiServerImpl, [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) mbeanServer)            Makes an RMIConnectorServer for the given MBean server. |
| [**RMIIIOPServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIIIOPServerImpl.html#RMIIIOPServerImpl(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Creates a new [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html). |
| [**RMIJRMPServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#RMIJRMPServerImpl(int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory,%20java.util.Map))(int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Creates a new [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) object that will be exported on the given port using the given socket factories. |
| [**RMIServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#RMIServerImpl(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Constructs a new RMIServerImpl. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.print.attribute.standard](http://docs.google.com/javax/print/attribute/standard/package-summary.html) | |
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| Classes in [javax.print.attribute.standard](http://docs.google.com/javax/print/attribute/standard/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**PrinterStateReasons**](http://docs.google.com/javax/print/attribute/standard/PrinterStateReasons.html)            Class PrinterStateReasons is a printing attribute class, a set of enumeration values, that provides additional information about the printer's current state, i.e., information that augments the value of the printer's [PrinterState](http://docs.google.com/javax/print/attribute/standard/PrinterState.html) attribute. |

| Constructors in [javax.print.attribute.standard](http://docs.google.com/javax/print/attribute/standard/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**PrinterStateReasons**](http://docs.google.com/javax/print/attribute/standard/PrinterStateReasons.html#PrinterStateReasons(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[PrinterStateReason](http://docs.google.com/javax/print/attribute/standard/PrinterStateReason.html),[Severity](http://docs.google.com/javax/print/attribute/standard/Severity.html)> map)            Construct a new printer state reasons attribute that contains the same [PrinterStateReason](http://docs.google.com/javax/print/attribute/standard/PrinterStateReason.html)-to-[Severity](http://docs.google.com/javax/print/attribute/standard/Severity.html) mappings as the given map. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
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| Subinterfaces of [Map](http://docs.google.com/java/util/Map.html) in [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
| --- | --- |
| interface | [**Bindings**](http://docs.google.com/javax/script/Bindings.html)            A mapping of key/value pairs, all of whose keys are Strings. |

| Classes in [javax.script](http://docs.google.com/javax/script/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**SimpleBindings**](http://docs.google.com/javax/script/SimpleBindings.html)            A simple implementation of Bindings backed by a HashMap or some other specified Map. |

| Methods in [javax.script](http://docs.google.com/javax/script/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **SimpleBindings.**[**putAll**](http://docs.google.com/javax/script/SimpleBindings.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [String](http://docs.google.com/java/lang/String.html),? extends [Object](http://docs.google.com/java/lang/Object.html)> toMerge)            putAll is implemented using Map.putAll. |
| void | **Bindings.**[**putAll**](http://docs.google.com/javax/script/Bindings.html#putAll(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<? extends [String](http://docs.google.com/java/lang/String.html),? extends [Object](http://docs.google.com/java/lang/Object.html)> toMerge)            Adds all the mappings in a given Map to this Bindings. |

| Constructors in [javax.script](http://docs.google.com/javax/script/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**SimpleBindings**](http://docs.google.com/javax/script/SimpleBindings.html#SimpleBindings(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> m)            Constructor uses an existing Map to store the values. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.security.auth.login](http://docs.google.com/javax/security/auth/login/package-summary.html) | |
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| Methods in [javax.security.auth.login](http://docs.google.com/javax/security/auth/login/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> | **AppConfigurationEntry.**[**getOptions**](http://docs.google.com/javax/security/auth/login/AppConfigurationEntry.html#getOptions())()            Get the options configured for this LoginModule. |

| Constructors in [javax.security.auth.login](http://docs.google.com/javax/security/auth/login/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**AppConfigurationEntry**](http://docs.google.com/javax/security/auth/login/AppConfigurationEntry.html#AppConfigurationEntry(java.lang.String,%20javax.security.auth.login.AppConfigurationEntry.LoginModuleControlFlag,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) loginModuleName, [AppConfigurationEntry.LoginModuleControlFlag](http://docs.google.com/javax/security/auth/login/AppConfigurationEntry.LoginModuleControlFlag.html) controlFlag, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> options)            Default constructor for this class. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.security.auth.spi](http://docs.google.com/javax/security/auth/spi/package-summary.html) | |
| --- | --- |

| Methods in [javax.security.auth.spi](http://docs.google.com/javax/security/auth/spi/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **LoginModule.**[**initialize**](http://docs.google.com/javax/security/auth/spi/LoginModule.html#initialize(javax.security.auth.Subject,%20javax.security.auth.callback.CallbackHandler,%20java.util.Map,%20java.util.Map))([Subject](http://docs.google.com/javax/security/auth/Subject.html) subject, [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) callbackHandler, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> sharedState, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> options)            Initialize this LoginModule. |
| void | **LoginModule.**[**initialize**](http://docs.google.com/javax/security/auth/spi/LoginModule.html#initialize(javax.security.auth.Subject,%20javax.security.auth.callback.CallbackHandler,%20java.util.Map,%20java.util.Map))([Subject](http://docs.google.com/javax/security/auth/Subject.html) subject, [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) callbackHandler, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> sharedState, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> options)            Initialize this LoginModule. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.security.auth.x500](http://docs.google.com/javax/security/auth/x500/package-summary.html) | |
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| Methods in [javax.security.auth.x500](http://docs.google.com/javax/security/auth/x500/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
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| [String](http://docs.google.com/java/lang/String.html) | **X500Principal.**[**getName**](http://docs.google.com/javax/security/auth/x500/X500Principal.html#getName(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) format, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> oidMap)            Returns a string representation of the X.500 distinguished name using the specified format. |

| Constructors in [javax.security.auth.x500](http://docs.google.com/javax/security/auth/x500/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**X500Principal**](http://docs.google.com/javax/security/auth/x500/X500Principal.html#X500Principal(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) name, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[String](http://docs.google.com/java/lang/String.html)> keywordMap)            Creates an X500Principal from a string representation of an X.500 distinguished name (ex: "CN=Duke, OU=JavaSoft, O=Sun Microsystems, C=US"). |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) | |
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| Methods in [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [SaslClient](http://docs.google.com/javax/security/sasl/SaslClient.html) | **SaslClientFactory.**[**createSaslClient**](http://docs.google.com/javax/security/sasl/SaslClientFactory.html#createSaslClient(java.lang.String%5B%5D,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Map,%20javax.security.auth.callback.CallbackHandler))([String](http://docs.google.com/java/lang/String.html)[] mechanisms, [String](http://docs.google.com/java/lang/String.html) authorizationId, [String](http://docs.google.com/java/lang/String.html) protocol, [String](http://docs.google.com/java/lang/String.html) serverName, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props, [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) cbh)            Creates a SaslClient using the parameters supplied. |
| static [SaslClient](http://docs.google.com/javax/security/sasl/SaslClient.html) | **Sasl.**[**createSaslClient**](http://docs.google.com/javax/security/sasl/Sasl.html#createSaslClient(java.lang.String%5B%5D,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Map,%20javax.security.auth.callback.CallbackHandler))([String](http://docs.google.com/java/lang/String.html)[] mechanisms, [String](http://docs.google.com/java/lang/String.html) authorizationId, [String](http://docs.google.com/java/lang/String.html) protocol, [String](http://docs.google.com/java/lang/String.html) serverName, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props, [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) cbh)            Creates a SaslClient using the parameters supplied. |
| [SaslServer](http://docs.google.com/javax/security/sasl/SaslServer.html) | **SaslServerFactory.**[**createSaslServer**](http://docs.google.com/javax/security/sasl/SaslServerFactory.html#createSaslServer(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Map,%20javax.security.auth.callback.CallbackHandler))([String](http://docs.google.com/java/lang/String.html) mechanism, [String](http://docs.google.com/java/lang/String.html) protocol, [String](http://docs.google.com/java/lang/String.html) serverName, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props, [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) cbh)            Creates a SaslServer using the parameters supplied. |
| static [SaslServer](http://docs.google.com/javax/security/sasl/SaslServer.html) | **Sasl.**[**createSaslServer**](http://docs.google.com/javax/security/sasl/Sasl.html#createSaslServer(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Map,%20javax.security.auth.callback.CallbackHandler))([String](http://docs.google.com/java/lang/String.html) mechanism, [String](http://docs.google.com/java/lang/String.html) protocol, [String](http://docs.google.com/java/lang/String.html) serverName, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props, [CallbackHandler](http://docs.google.com/javax/security/auth/callback/CallbackHandler.html) cbh)            Creates a SaslServer for the specified mechanism. |
| [String](http://docs.google.com/java/lang/String.html)[] | **SaslServerFactory.**[**getMechanismNames**](http://docs.google.com/javax/security/sasl/SaslServerFactory.html#getMechanismNames(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props)            Returns an array of names of mechanisms that match the specified mechanism selection policies. |
| [String](http://docs.google.com/java/lang/String.html)[] | **SaslClientFactory.**[**getMechanismNames**](http://docs.google.com/javax/security/sasl/SaslClientFactory.html#getMechanismNames(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> props)            Returns an array of names of mechanisms that match the specified mechanism selection policies. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) | |
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| Methods in [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
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| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **MidiFileFormat.**[**properties**](http://docs.google.com/javax/sound/midi/MidiFileFormat.html#properties())()            Obtain an unmodifiable map of properties. |

| Constructors in [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**MidiFileFormat**](http://docs.google.com/javax/sound/midi/MidiFileFormat.html#MidiFileFormat(int,%20float,%20int,%20int,%20long,%20java.util.Map))(int type, float divisionType, int resolution, int bytes, long microseconds, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> properties)            Construct a MidiFileFormat with a set of properties. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) | |
| --- | --- |

| Methods in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **AudioFileFormat.**[**properties**](http://docs.google.com/javax/sound/sampled/AudioFileFormat.html#properties())()            Obtain an unmodifiable map of properties. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **AudioFormat.**[**properties**](http://docs.google.com/javax/sound/sampled/AudioFormat.html#properties())()            Obtain an unmodifiable map of properties. |

| Constructors in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**AudioFileFormat**](http://docs.google.com/javax/sound/sampled/AudioFileFormat.html#AudioFileFormat(javax.sound.sampled.AudioFileFormat.Type,%20javax.sound.sampled.AudioFormat,%20int,%20java.util.Map))([AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) type, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) format, int frameLength, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> properties)            Construct an audio file format object with a set of defined properties. |
| [**AudioFormat**](http://docs.google.com/javax/sound/sampled/AudioFormat.html#AudioFormat(javax.sound.sampled.AudioFormat.Encoding,%20float,%20int,%20int,%20int,%20float,%20boolean,%20java.util.Map))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) encoding, float sampleRate, int sampleSizeInBits, int channels, int frameSize, float frameRate, boolean bigEndian, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> properties)            Constructs an AudioFormat with the given parameters. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.sql](http://docs.google.com/javax/sql/package-summary.html) | |
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| Methods in [javax.sql](http://docs.google.com/javax/sql/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> | **RowSet.**[**getTypeMap**](http://docs.google.com/javax/sql/RowSet.html#getTypeMap())()            Retrieves the Map object associated with this RowSet object, which specifies the custom mapping of SQL user-defined types, if any. |

| Methods in [javax.sql](http://docs.google.com/javax/sql/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **RowSet.**[**setTypeMap**](http://docs.google.com/javax/sql/RowSet.html#setTypeMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Installs the given java.util.Map object as the default type map for this RowSet object. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) | |
| --- | --- |

| Methods in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> | **BaseRowSet.**[**getTypeMap**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#getTypeMap())()            Retrieves the type map associated with the Connection object for this RowSet object. |

| Methods in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| void | **BaseRowSet.**[**setTypeMap**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setTypeMap(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Installs the given java.util.Map object as the type map associated with the Connection object for this RowSet object. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) | |
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| Methods in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialArray.**[**getArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getArray(long,%20int,%20java.util.Map))(long index, int count, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Returns a new array that is a copy of a slice of this SerialArray object, starting with the element at the given index and containing the given number of consecutive elements. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialArray.**[**getArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getArray(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Returns a new array that is a copy of this SerialArray object, using the given type map for the custom mapping of each element when the elements are SQL UDTs. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | **SerialStruct.**[**getAttributes**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#getAttributes(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves the attributes for the SQL structured type that this SerialStruct represents as an array of Object values, using the given type map for custom mapping if appropriate. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SerialRef.**[**getObject**](http://docs.google.com/javax/sql/rowset/serial/SerialRef.html#getObject(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Returns an Object representing the SQL structured type to which this SerialRef object refers. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **SerialArray.**[**getResultSet**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getResultSet(long,%20int,%20java.util.Map))(long index, int count, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves a result set holding the elements of the subarray that starts at Retrieves a ResultSet object that contains a subarray of the elements in this SerialArray object, starting at index *index* and containing up to *count* successive elements. |
| [ResultSet](http://docs.google.com/java/sql/ResultSet.html) | **SerialArray.**[**getResultSet**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#getResultSet(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Retrieves a ResultSet object that contains all of the elements of the SQL ARRAY value represented by this SerialArray object. |

| Constructors in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**SerialArray**](http://docs.google.com/javax/sql/rowset/serial/SerialArray.html#SerialArray(java.sql.Array,%20java.util.Map))([Array](http://docs.google.com/java/sql/Array.html) array, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Constructs a new SerialArray object from the given Array object, using the given type map for the custom mapping of each element when the elements are SQL UDTs. |
| [**SerialStruct**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#SerialStruct(java.sql.SQLData,%20java.util.Map))([SQLData](http://docs.google.com/java/sql/SQLData.html) in, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Constructs a SerialStruct object from the given SQLData object, using the given type map to custom map it to a class in the Java programming language. |
| [**SerialStruct**](http://docs.google.com/javax/sql/rowset/serial/SerialStruct.html#SerialStruct(java.sql.Struct,%20java.util.Map))([Struct](http://docs.google.com/java/sql/Struct.html) in, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Constructs a SerialStruct object from the given Struct object, using the given java.util.Map object for custom mapping the SQL structured type or any of its attributes that are SQL structured types. |
| [**SQLInputImpl**](http://docs.google.com/javax/sql/rowset/serial/SQLInputImpl.html#SQLInputImpl(java.lang.Object%5B%5D,%20java.util.Map))([Object](http://docs.google.com/java/lang/Object.html)[] attributes, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Class](http://docs.google.com/java/lang/Class.html)<?>> map)            Creates an SQLInputImpl object initialized with the given array of attributes and the given type map. |
| [**SQLOutputImpl**](http://docs.google.com/javax/sql/rowset/serial/SQLOutputImpl.html#SQLOutputImpl(java.util.Vector,%20java.util.Map))([Vector](http://docs.google.com/java/util/Vector.html)<?> attributes, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> map)            Creates a new SQLOutputImpl object initialized with the given vector of attributes and type map. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that implement [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| class | [**UIDefaults**](http://docs.google.com/javax/swing/UIDefaults.html)            A table of defaults for Swing components. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) | |
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| Methods in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| static [JAXBContext](http://docs.google.com/javax/xml/bind/JAXBContext.html) | **JAXBContext.**[**newInstance**](http://docs.google.com/javax/xml/bind/JAXBContext.html#newInstance(java.lang.Class%5B%5D,%20java.util.Map))([Class](http://docs.google.com/java/lang/Class.html)[] classesToBeBound, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> properties)             Obtain a new instance of a JAXBContext class. |
| static [JAXBContext](http://docs.google.com/javax/xml/bind/JAXBContext.html) | **JAXBContext.**[**newInstance**](http://docs.google.com/javax/xml/bind/JAXBContext.html#newInstance(java.lang.String,%20java.lang.ClassLoader,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) contextPath, [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) classLoader, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> properties)             Obtain a new instance of a JAXBContext class. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) | |
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| Methods in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html) | **XPathType.**[**getNamespaceMap**](http://docs.google.com/javax/xml/crypto/dsig/spec/XPathType.html#getNamespaceMap())()            Returns a map of namespace prefixes. |
| [Map](http://docs.google.com/java/util/Map.html) | **XPathFilterParameterSpec.**[**getNamespaceMap**](http://docs.google.com/javax/xml/crypto/dsig/spec/XPathFilterParameterSpec.html#getNamespaceMap())()            Returns a map of namespace prefixes. |

| Constructors in [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [**XPathFilterParameterSpec**](http://docs.google.com/javax/xml/crypto/dsig/spec/XPathFilterParameterSpec.html#XPathFilterParameterSpec(java.lang.String,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) xPath, [Map](http://docs.google.com/java/util/Map.html) namespaceMap)            Creates an XPathFilterParameterSpec with the specified XPath expression and namespace map. |
| [**XPathType**](http://docs.google.com/javax/xml/crypto/dsig/spec/XPathType.html#XPathType(java.lang.String,%20javax.xml.crypto.dsig.spec.XPathType.Filter,%20java.util.Map))([String](http://docs.google.com/java/lang/String.html) expression, [XPathType.Filter](http://docs.google.com/javax/xml/crypto/dsig/spec/XPathType.Filter.html) filter, [Map](http://docs.google.com/java/util/Map.html) namespaceMap)            Creates an XPathType instance with the specified XPath expression, filter, and namespace map. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) that return [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **Response.**[**getContext**](http://docs.google.com/javax/xml/ws/Response.html#getContext())()            Gets the contained response context. |
| abstract  [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **Endpoint.**[**getProperties**](http://docs.google.com/javax/xml/ws/Endpoint.html#getProperties())()            Returns the property bag for this Endpoint instance. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **BindingProvider.**[**getRequestContext**](http://docs.google.com/javax/xml/ws/BindingProvider.html#getRequestContext())()            Get the context that is used to initialize the message context for request messages. |
| [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | **BindingProvider.**[**getResponseContext**](http://docs.google.com/javax/xml/ws/BindingProvider.html#getResponseContext())()            Get the context that resulted from processing a response message. |

| Methods in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) with parameters of type [Map](http://docs.google.com/java/util/Map.html) | |
| --- | --- |
| abstract  void | **Endpoint.**[**setProperties**](http://docs.google.com/javax/xml/ws/Endpoint.html#setProperties(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> properties)            Sets the property bag for this Endpoint instance. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.xml.ws.handler](http://docs.google.com/javax/xml/ws/handler/package-summary.html) | |
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| Subinterfaces of [Map](http://docs.google.com/java/util/Map.html) in [javax.xml.ws.handler](http://docs.google.com/javax/xml/ws/handler/package-summary.html) | |
| --- | --- |
| interface | [**LogicalMessageContext**](http://docs.google.com/javax/xml/ws/handler/LogicalMessageContext.html)            The LogicalMessageContext interface extends MessageContext to provide access to a the contained message as a protocol neutral LogicalMessage |
| interface | [**MessageContext**](http://docs.google.com/javax/xml/ws/handler/MessageContext.html)            The interface MessageContext abstracts the message context that is processed by a handler in the handle method. |

| Uses of [Map](http://docs.google.com/java/util/Map.html) in [javax.xml.ws.handler.soap](http://docs.google.com/javax/xml/ws/handler/soap/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Map](http://docs.google.com/java/util/Map.html) in [javax.xml.ws.handler.soap](http://docs.google.com/javax/xml/ws/handler/soap/package-summary.html) | |
| --- | --- |
| interface | [**SOAPMessageContext**](http://docs.google.com/javax/xml/ws/handler/soap/SOAPMessageContext.html)            The interface SOAPMessageContext provides access to the SOAP message for either RPC request or response. |

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

[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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