| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/ProtectionDomain.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/security//class-useProtectionDomain.html)    [**NO FRAMES**](http://docs.google.com/ProtectionDomain.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.security.ProtectionDomain**

| Packages that use [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| [**java.lang**](#3znysh7) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.lang.instrument**](#2et92p0) | Provides services that allow Java programming language agents to instrument programs running on the JVM. |
| [**java.security**](#tyjcwt) | Provides the classes and interfaces for the security framework. |
| [**javax.security.auth**](#3dy6vkm) | This package provides a framework for authentication and authorization. |

| Uses of [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.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 [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | **Class.**[**getProtectionDomain**](http://docs.google.com/java/lang/Class.html#getProtectionDomain())()            Returns the ProtectionDomain of this class. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) with parameters of type [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| protected  [Class](http://docs.google.com/java/lang/Class.html)<?> | **ClassLoader.**[**defineClass**](http://docs.google.com/java/lang/ClassLoader.html#defineClass(java.lang.String,%20byte%5B%5D,%20int,%20int,%20java.security.ProtectionDomain))([String](http://docs.google.com/java/lang/String.html) name, byte[] b, int off, int len, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) protectionDomain)            Converts an array of bytes into an instance of class Class, with an optional ProtectionDomain. |
| protected  [Class](http://docs.google.com/java/lang/Class.html)<?> | **ClassLoader.**[**defineClass**](http://docs.google.com/java/lang/ClassLoader.html#defineClass(java.lang.String,%20java.nio.ByteBuffer,%20java.security.ProtectionDomain))([String](http://docs.google.com/java/lang/String.html) name, [ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) b, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) protectionDomain)            Converts a [ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) into an instance of class Class, with an optional ProtectionDomain. |

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

| Methods in [java.lang.instrument](http://docs.google.com/java/lang/instrument/package-summary.html) with parameters of type [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| byte[] | **ClassFileTransformer.**[**transform**](http://docs.google.com/java/lang/instrument/ClassFileTransformer.html#transform(java.lang.ClassLoader,%20java.lang.String,%20java.lang.Class,%20java.security.ProtectionDomain,%20byte%5B%5D))([ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) loader, [String](http://docs.google.com/java/lang/String.html) className, [Class](http://docs.google.com/java/lang/Class.html)<?> classBeingRedefined, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) protectionDomain, byte[] classfileBuffer)            The implementation of this method may transform the supplied class file and return a new replacement class file. |

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

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) that return [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] | **DomainCombiner.**[**combine**](http://docs.google.com/java/security/DomainCombiner.html#combine(java.security.ProtectionDomain%5B%5D,%20java.security.ProtectionDomain%5B%5D))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] currentDomains, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] assignedDomains)            Modify or update the provided ProtectionDomains. |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] | **DomainCombiner.**[**combine**](http://docs.google.com/java/security/DomainCombiner.html#combine(java.security.ProtectionDomain%5B%5D,%20java.security.ProtectionDomain%5B%5D))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] currentDomains, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] assignedDomains)            Modify or update the provided ProtectionDomains. |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] | **DomainCombiner.**[**combine**](http://docs.google.com/java/security/DomainCombiner.html#combine(java.security.ProtectionDomain%5B%5D,%20java.security.ProtectionDomain%5B%5D))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] currentDomains, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] assignedDomains)            Modify or update the provided ProtectionDomains. |
| protected  [PermissionCollection](http://docs.google.com/java/security/PermissionCollection.html) | **PolicySpi.**[**engineGetPermissions**](http://docs.google.com/java/security/PolicySpi.html#engineGetPermissions(java.security.ProtectionDomain))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) domain)            Return a PermissionCollection object containing the set of permissions granted to the specified ProtectionDomain. |
| protected abstract  boolean | **PolicySpi.**[**engineImplies**](http://docs.google.com/java/security/PolicySpi.html#engineImplies(java.security.ProtectionDomain,%20java.security.Permission))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) domain, [Permission](http://docs.google.com/java/security/Permission.html) permission)            Check whether the policy has granted a Permission to a ProtectionDomain. |
| [PermissionCollection](http://docs.google.com/java/security/PermissionCollection.html) | **Policy.**[**getPermissions**](http://docs.google.com/java/security/Policy.html#getPermissions(java.security.ProtectionDomain))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) domain)            Return a PermissionCollection object containing the set of permissions granted to the specified ProtectionDomain. |
| boolean | **Policy.**[**implies**](http://docs.google.com/java/security/Policy.html#implies(java.security.ProtectionDomain,%20java.security.Permission))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) domain, [Permission](http://docs.google.com/java/security/Permission.html) permission)            Evaluates the global policy for the permissions granted to the ProtectionDomain and tests whether the permission is granted. |

| Constructors in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| [**AccessControlContext**](http://docs.google.com/java/security/AccessControlContext.html#AccessControlContext(java.security.ProtectionDomain%5B%5D))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] context)            Create an AccessControlContext with the given set of ProtectionDomains. |

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

| Methods in [javax.security.auth](http://docs.google.com/javax/security/auth/package-summary.html) that return [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] | **SubjectDomainCombiner.**[**combine**](http://docs.google.com/javax/security/auth/SubjectDomainCombiner.html#combine(java.security.ProtectionDomain%5B%5D,%20java.security.ProtectionDomain%5B%5D))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] currentDomains, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] assignedDomains)            Update the relevant ProtectionDomains with the Principals from the Subject associated with this SubjectDomainCombiner. |

| Methods in [javax.security.auth](http://docs.google.com/javax/security/auth/package-summary.html) with parameters of type [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html) | |
| --- | --- |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] | **SubjectDomainCombiner.**[**combine**](http://docs.google.com/javax/security/auth/SubjectDomainCombiner.html#combine(java.security.ProtectionDomain%5B%5D,%20java.security.ProtectionDomain%5B%5D))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] currentDomains, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] assignedDomains)            Update the relevant ProtectionDomains with the Principals from the Subject associated with this SubjectDomainCombiner. |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] | **SubjectDomainCombiner.**[**combine**](http://docs.google.com/javax/security/auth/SubjectDomainCombiner.html#combine(java.security.ProtectionDomain%5B%5D,%20java.security.ProtectionDomain%5B%5D))([ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] currentDomains, [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] assignedDomains)            Update the relevant ProtectionDomains with the Principals from the Subject associated with this SubjectDomainCombiner. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/ProtectionDomain.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/security//class-useProtectionDomain.html)    [**NO FRAMES**](http://docs.google.com/ProtectionDomain.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.

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