| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SubjectDomainCombiner.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/security/auth/Subject.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/security/auth/SubjectDomainCombiner.html)    [**NO FRAMES**](http://docs.google.com/SubjectDomainCombiner.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.security.auth**

Class SubjectDomainCombiner

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.security.auth.SubjectDomainCombiner**

**All Implemented Interfaces:** [DomainCombiner](http://docs.google.com/java/security/DomainCombiner.html)

public class **SubjectDomainCombiner**extends [Object](http://docs.google.com/java/lang/Object.html)implements [DomainCombiner](http://docs.google.com/java/security/DomainCombiner.html)

A SubjectDomainCombiner updates ProtectionDomains with Principals from the Subject associated with this SubjectDomainCombiner.

| **Constructor Summary** | |
| --- | --- |
| [**SubjectDomainCombiner**](http://docs.google.com/javax/security/auth/SubjectDomainCombiner.html#SubjectDomainCombiner(javax.security.auth.Subject))([Subject](http://docs.google.com/javax/security/auth/Subject.html) subject)            Associate the provided Subject with this SubjectDomainCombiner. |

| **Method Summary** | |
| --- | --- |
| [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] | [**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. |
| [Subject](http://docs.google.com/javax/security/auth/Subject.html) | [**getSubject**](http://docs.google.com/javax/security/auth/SubjectDomainCombiner.html#getSubject())()            Get the Subject associated with this SubjectDomainCombiner. |

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

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

### SubjectDomainCombiner

public **SubjectDomainCombiner**([Subject](http://docs.google.com/javax/security/auth/Subject.html) subject)

Associate the provided Subject with this SubjectDomainCombiner.

**Parameters:**subject - the Subject to be associated with with this SubjectDomainCombiner.

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

### getSubject

public [Subject](http://docs.google.com/javax/security/auth/Subject.html) **getSubject**()

Get the Subject associated with this SubjectDomainCombiner.

**Returns:**the Subject associated with this SubjectDomainCombiner, or null if no Subject is associated with this SubjectDomainCombiner. **Throws:** [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - if the caller does not have permission to get the Subject associated with this SubjectDomainCombiner.

### combine

public [ProtectionDomain](http://docs.google.com/java/security/ProtectionDomain.html)[] **combine**([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.

A new ProtectionDomain instance is created for each ProtectionDomain in the *currentDomains* array. Each new ProtectionDomain instance is created using the CodeSource, Permissions and ClassLoader from the corresponding ProtectionDomain in *currentDomains*, as well as with the Principals from the Subject associated with this SubjectDomainCombiner.

All of the newly instantiated ProtectionDomains are combined into a new array. The ProtectionDomains from the *assignedDomains* array are appended to this new array, and the result is returned.

Note that optimizations such as the removal of duplicate ProtectionDomains may have occurred. In addition, caching of ProtectionDomains may be permitted.

**Specified by:**[combine](http://docs.google.com/java/security/DomainCombiner.html#combine(java.security.ProtectionDomain%5B%5D,%20java.security.ProtectionDomain%5B%5D)) in interface [DomainCombiner](http://docs.google.com/java/security/DomainCombiner.html) **Parameters:**currentDomains - the ProtectionDomains associated with the current execution Thread, up to the most recent privileged ProtectionDomain. The ProtectionDomains are are listed in order of execution, with the most recently executing ProtectionDomain residing at the beginning of the array. This parameter may be null if the current execution Thread has no associated ProtectionDomains.

assignedDomains - the ProtectionDomains inherited from the parent Thread, or the ProtectionDomains from the privileged *context*, if a call to AccessController.doPrivileged(..., *context*) had occurred This parameter may be null if there were no ProtectionDomains inherited from the parent Thread, or from the privileged *context*. **Returns:**a new array consisting of the updated ProtectionDomains, or null.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SubjectDomainCombiner.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/security/auth/Subject.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/security/auth/SubjectDomainCombiner.html)    [**NO FRAMES**](http://docs.google.com/SubjectDomainCombiner.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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