edu.mit.csail.aeolus.api
Class AeolusShared

```
java.lang.Object
  └ edu.mit.csail.aeolus.api.AeolusShared
```

All Implemented Interfaces:
AeolusSafe

Direct Known Subclasses:
AeolusBox, AeolusLock, AeolusQueue

```
public abstract class AeolusSharedextends java.lang.Objectimplements AeolusSafe
```

AeolusShared objects reside in shared state. The Aeolus platform transforms them at runtime so that they are effectively isolated, i.e., they can't contain pointers to the outside world. All accesses to shared objects are subject to a label check by the Aeolus platform.

Field Summary

EventID	**sharedLastEid** **Deprecated.**

Constructor Summary

protected	**AeolusShared**() Create a new AeolusShared object with copies of the thread's current labels.
protected	**AeolusShared**(AeolusLabel sLabel, AeolusLabel iLabel) Create a new AeolusShared object with copies of the specified labels.

Method Summary

AeolusLabel	**getIntegrityLabel**() Return a copy of the object's integrity label.
AeolusLabel	**getSecrecyLabel**() Return a copy of the object's secrecy label.

Methods inherited from class java.lang.Object
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

sharedLastEid

```
@Deprecatedpublic EventID sharedLastEid
```

Deprecated.

Constructor Detail

AeolusShared

```
protected AeolusShared()
```

Create a new AeolusShared object with copies of the thread's current labels.

AeolusShared

```
protected AeolusShared(AeolusLabel sLabel,
                       AeolusLabel iLabel)
                throws InfoFlowControlException
```

Create a new AeolusShared object with copies of the specified labels. The supplied labels must be no less restrictive than the caller's.

Throws:

`InfoFlowControlException` - - if labels are less restrictive than the caller's.

Method Detail

getIntegrityLabel

```
public final AeolusLabel getIntegrityLabel()
```

Return a copy of the object's integrity label.

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getSecrecyLabel

```
public final AeolusLabel getSecrecyLabel()
```

Return a copy of the object's secrecy label.