

## 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

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```
public abstract class AeolusShared extends java.lang.Object implements 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.

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### Field Summary

EventID	<b>sharedLastEid</b> <b>Deprecated.</b>
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### Constructor Summary

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

### Method Summary

AeolusLabel	<b>getIntegrityLabel()</b> Return a copy of the object's integrity label.
AeolusLabel	<b>getSecrecyLabel()</b> 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

@Deprecated public EventID **sharedLastEid**

**Deprecated.**

## Constructor Detail

### AeolusShared

protected **AeolusShared**()

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

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### 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.

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**Overview Package Class Tree Index Help**

**PREV CLASS NEXT CLASS**

**SUMMARY: NESTED | FIELD | CONSTR | METHOD**

**FRAMES NO FRAMES All Classes**

**DETAIL: FIELD | CONSTR | METHOD**

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