

## **Wikiprint Book**

**Title: @Confined and ConfinedChecker**

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## **@Confined and ConfinedChecker**

ConfinedChecker provides developers the opportunity to check whether sensitive references do not leak outside of the specified scope. Syntax of Confined is commensurable to the elaborate type system of Java; each construct has a corresponding annotation with a different set of parameters. This checker is strongly coupled with the Region infrastructure. ConfinedChecker targets at checking if the following operations were conducted within a specified scope:

- a method calls
- an objects creation
- throwing an exception
- changing a reference
- changing object's value

### **Syntax**

#### **ConfinedType**

ConfinedType is the annotation applicable to a Java types. It specifies that static and instance fields, methods and constructors are accessible only within a given scope.