

Replace Constructor with Factory Method

The **Replace Constructor With Factory Method** refactoring allows you to hide a constructor and replace it with a static method which returns a new instance of a class.

Example

Before	After
<pre>// File Class.java public class Class { public Class(String s) { ... } } // File AnotherClass.java public class AnotherClass { public void method() { Class aClass = new Class("string"); } }</pre>	<pre>// File Class.java public class Class { private Class(String s) { ... } public static createClass(String s) { return new Class(s); } } // File AnotherClass.java public class AnotherClass { public void method() { Class aClass = Class.createClass("string"); } }</pre>

To replace a constructor with a factory method

1. Select the class constructor.
2. Open [Replace Constructor With Factory Method dialog](#) by choosing **Refactor | Replace Constructor With Factory Method** on the main menu or on the context menu of the selection.
3. In the **Factory method name** field, specify the name for the factory method.
4. In the **In (fully qualified name)** field, specify the class, where the method should be created.
5. To review the intended changes and make final corrections prior to the refactoring, click **Preview**. To apply the changes immediately, click **Refactor**.

See Also

Reference:

- [Replace Constructor with Factory Method Dialog](#)

Web Resources:

- [Developer Community](#) 