

# Extract Parameter Dialog for Groovy

Refactor | Extract | Parameter

Use this dialog to specify the options and settings related to the [Extract Parameter refactoring in Groovy](#).

Item	Description
Type	Specify the type of the new parameter. Usually, you don't need to change the type suggested by IntelliJ IDEA.
Name	Specify the name for the new parameter.
Declare final	Select this option to declare the parameter <code>final</code> .
Delegate via overloading method	Select this option to keep the existing method calls unchanged. As a result, a new overloading method will be created and the new parameter will be added to the definition of this method. The method with the old signature will be kept. The call to the new method will be added to the old method. The necessary value (or expression) will be passed to the new method in this call.
Remove parameter <name> no longer used	Select this check box to remove a parameter.
Use explicit return statement	This check box is active if the method returns a value. You can omit <code>return</code> keyword if it is the last return statement in the method. If you select this check box the keyword is returned.
Parameters	In this area, select parameters to be passed to the new method/function. <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">If any parameter that is critical for the functionality of the new method is not selected, IntelliJ IDEA will be unable to proceed with the refactoring.</div>
Move Up/Down	Use these buttons to change the order of the parameters.
Signature preview	In this read-only field, view the declaration of the new method/function.

## See Also

Concepts:

- [Refactoring Source Code](#)

Procedures:

- [Extracting Parameter in Groovy](#)

Web Resources:

- [Developer Community](#) 

