

# Configuring Keyboard Shortcuts

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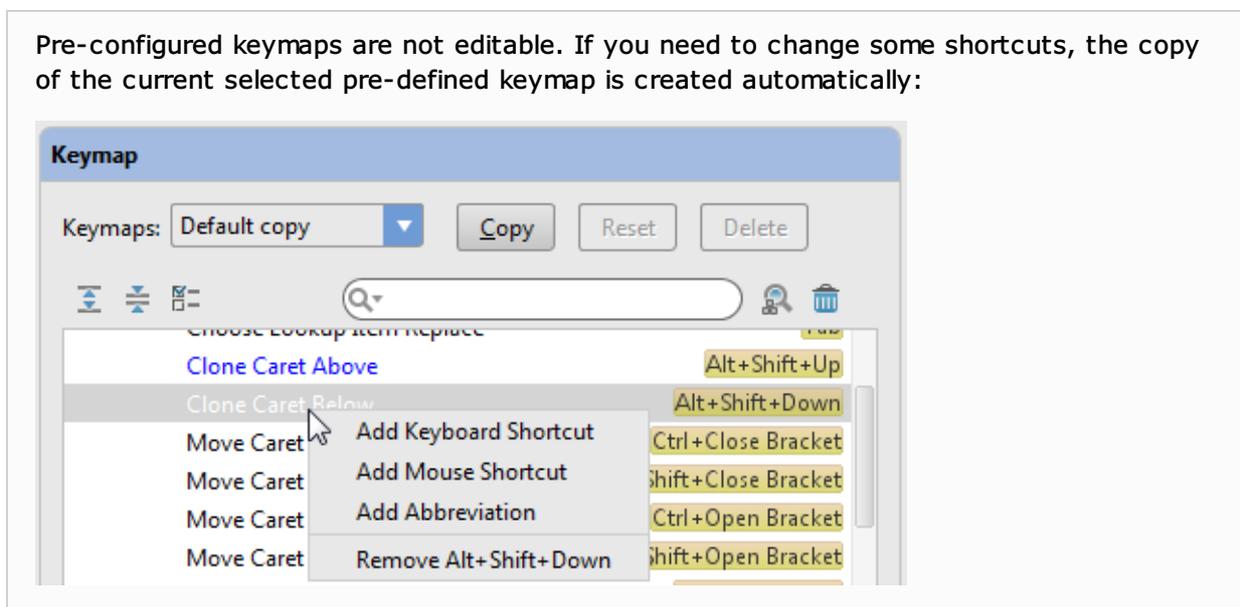
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## Basics

IntelliJ IDEA is a keyboard-centric IDE. Most of the actions (navigation, refactoring, debugging, etc.) can be carried out without using a mouse, which lets dramatically increase coding speed. If you had used another IDE for a while and have memorized your favorite keyboard shortcuts, you can use them all in IntelliJ IDEA.

IntelliJ IDEA completely suits your *shortcut habits* by supporting customizable keymaps. A **keymap** is a set of keyboard and mouse shortcuts that invoke different actions - menu commands, editor operations, etc. IntelliJ IDEA comes with a set of pre-configured keymaps.

Pre-configured keymaps are not editable. If you need to change some shortcuts, the copy of the current selected pre-defined keymap is created automatically:



## Where the keymaps are stored?

All user-defined keymaps are stored in separate configuration files under the `config/keymaps` subdirectory in the IntelliJ IDEA profile directory:

- Windows and \*NIX systems: `<User home>/IntelliJ IDEA <xx>/config/keymaps`
- Macintosh systems: `~/Library/Preferences/IntelliJ IDEA <xx>/keymaps/`

Each keymap file contains only differences between the current and the parent keymaps.

## Configuring keyboard shortcuts and mouse shortcuts

## To configure keyboard shortcuts and mouse shortcuts

1. Open the [Settings dialog](#) and click [Keymap](#).
2. Select one of the pre-configured **Keymaps**, which you want to use as the base for the new one, and click **Copy**. Accept the default name, or change it as required.
3. In the content pane of actions, select the desired action.
4. *Configure keyboard shortcuts.* To do that, follow these steps:
  1. Click  on the toolbar, or right-click the selected action, and choose **Add Keyboard Shortcut**. [Enter Keyboard Shortcut](#) dialog box opens.
  2. Press the keys to be used as shortcuts. The keystrokes are immediately reflected in the **First Stroke** field. Optionally, select the check box next to **Second Stroke** and press keys to be used as alternative keyboard shortcuts.  
As you press the keys, the **Preview** field displays the suggested combination of keystrokes, and the **Conflicts** field displays warnings, if some of the keystrokes are already assigned to the other actions.
  3. Click **OK** with the mouse pointer to create a shortcut and bind it with an action.

It is important to use the mouse pointer, because any keystroke is interpreted as a shortcut.

5. *Configure mouse shortcuts.* To do that, follow these steps:
  1. Click  on the toolbar, or right-click the selected action, and choose **Add Mouse Shortcut** on the context menu, if you need to bind an action to a mouse click. [Enter Mouse Shortcut](#) dialog box opens.
  2. In the **Click Count** section, click a radio button to choose a **Single Click** or **Double Click**.
  3. Hover your mouse pointer over the section **Click Pad** and click the desired mouse button. Use **Alt**, **Ctrl**, and **Shift** modifiers for diversity. As you click, the **Shortcut Preview** field displays the suggested shortcut, and the **Conflicts** field displays warnings, if some of the shortcuts are already assigned to the other actions.
  4. Click **OK** or Press **Enter** to create a shortcut and bind it with an action.

If a conflict is reported, a warning message appears. You can choose one of the following options:

- **Remove** to remove all other bindings and preserve the new one.
- **Leave** to preserve all bindings including the new one.
- **Cancel** to return to the keymap definition.

Although you can ignore conflict and bind a shortcut with several actions, it is strictly recommended to avoid binding two actions with the same shortcut, because the order of performing such actions is not defined.

## Searching for actions

Use the [Keymap](#) page to search for certain actions by name, or by shortcut.

To find an action by name, type this name in the search field . As you type, the content pane shows actions with the matching names.

To find an action by shortcut, click . In the **Filter Settings** dialog box, start pressing keys. The content pane shows only the actions with the matching shortcuts.

Click your mouse somewhere outside the **Filter Settings** dialog box to close it. Avoid using keys, since any keystroke is interpreted as a shortcut.

## See Also

### Reference:

- [Keyboard Shortcuts and Mouse Reference](#)
- [Keymap](#)

### Web Resources:

- [Developer Community](#) 