

# KEY FEATURES



## Intelligent coding assistance

IntelliJ IDEA knows your code and helps by giving relevant suggestions in every context: instant and clever code completion, on-the-fly code analysis and reliable refactoring tools. Enjoy out-of-the-box support for Java, Groovy, Kotlin, Scala, JavaScript and other languages.

```
@NotNull
public static FoldingDescriptor[] buildFoldingDescriptors(@Nullable FoldingBuilder
if (!DumbService.isDumbAware(builder) && DumbService.getInstance(root.getProject)
return FoldingDescriptor.EMPTY;
}
if (builder instanceof FoldingBuilderEx) {
return ((FoldingBuilderEx)builder).buildFoldRegions(root, document, quick);
}
if (root.getNode() == null || builder == null) {
return FoldingDescriptor.EMPTY;
}
return builder.buildFoldRegions(ASTNode node, Document document) FoldingD
FoldingDescriptor.EMPTY (com.intellij.lang.f FoldingDescriptor[]
Use ⌘⇧ to syntactically correct your code after completing (balance parentheses etc.) >>
```



## Productivity boosters

The coding assistance in IntelliJ IDEA is not about only the editor: it helps you stay productive when dealing with other its parts as well: e.g. filling a field, searching over a list of elements; accessing a tool window; or toggling for a setting, etc.

```
/**...*/
@RunWith(SpringJUnit4ClassRunner.class)
@SpringApplicationConfiguration(SampleDataJpaApplication.class)
public class CityRepositoryIntegrationTests {
    Choose Test Subject for CityRepositoryIntegrationTests (2 found)
    CityRepository (sample.data.jpa.service) spring-boot-sample-data-jp
    City (sample.data.jpa.domain) spring-boot-sample-data-jp
    @Test
    public void findsFirstPageOfCities() {
        Page<City> cities = this.repository.findAll(new PageRequest(0, 10));
        assertThat(cities.getTotalElements(), is(greaterThan(20L)));
    }
}
```



## Framework-specific coding assistance

IntelliJ IDEA provides support for the most popular server-side JVM and front-end frameworks. Take advantage of extended coding assistance for Spring, Java EE, GWT, Grails, Play, Android, React, AngularJS and other frameworks.

```
<table class="table table-striped">
<thead>...</thead>
<tbody>
<tr th:each="owner : ${selections}">
<td>
<a href="ownerDetails.html"
th:href="@{/owners/${owner.id}}}"
th:text="${owner.firstName} ${owner.lastName}">Mary Smith</a>
</td>
<td th:text="${owner.address}">45, Oxford Street</td>
<td th:text="${owner.city}">Owner</td>
<td th:text="${owner.tel}">public List<Pet> getPets ()>
</td>
<td>
<span th:each="pet : ${owner.pets}" th:text="${pet.name}" th:rem
Rob&nbsp;
</span>
</td>
</tr>
</tbody>
</table>
```

Learn more at: [jetbrains.com/idea/features](https://jetbrains.com/idea/features)

# INTELLIJ IDEA ULTIMATE LICENSING

|                                                  |               |                                                             |
|--------------------------------------------------|---------------|-------------------------------------------------------------|
| For individual developers                        | \$14.90/month | \$149.00/1st year<br>\$119.00/2nd year<br>\$89.00/3rd year  |
| For companies                                    | \$49.90/month | \$499.00/1st year<br>\$399.00/2nd year<br>\$299.00/3rd year |
| For students, teachers, and open-source projects |               | FREE                                                        |

To learn more about special prices and discounts visit: [jetbrains.com/idea/buy](https://jetbrains.com/idea/buy)

# CHOOSE YOUR EDITION

|                                            | Community<br>For JVM & Android development | Ultimate<br>For web & enterprise development |
|--------------------------------------------|--------------------------------------------|----------------------------------------------|
| Java, Groovy, Scala, Kotlin                | ✓                                          | ✓                                            |
| Android                                    | ✓                                          | ✓                                            |
| Maven, Gradle                              | ✓                                          | ✓                                            |
| Decompiler, Coverage, Task management      | ✓                                          | ✓                                            |
| Git, Svn, Mercurial, CVS                   | ✓                                          | ✓                                            |
| Perforce, Clear Case, TFS                  |                                            | ✓                                            |
| JavaScript                                 |                                            | ✓                                            |
| Java EE, Spring, GWT, Vaadin, Play, Grails |                                            | ✓                                            |
| Other frameworks                           |                                            | ✓                                            |
|                                            | FREE                                       | FREE 30-day trial                            |

 **IntelliJ IDEA**

ENJOY PRODUCTIVE JAVA

**Excel at web, mobile and enterprise development with a smarter IDE**



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REMEMBER THESE SHORTCUTS

|                                        |                      |          |
|----------------------------------------|----------------------|----------|
| Smart code completion                  | Ctrl + Shift + Space | ^⇧ Space |
| Search everywhere                      | Double Shift         | Double ⇧ |
| Show intention actions and quick-fixes | Alt + Enter          | ⌘↵       |
| Generate code                          | Alt + Ins            | ⌘N, ^↵   |
| Parameter info                         | Ctrl + P             | ⌘P       |
| Extend selection                       | Ctrl + W             | ⌘⇧↑      |
| Shrink selection                       | Ctrl + Shift + W     | ⌘⇧↓      |
| Recent files popup                     | Ctrl + E             | ⌘E       |
| Rename                                 | Shift + F6           | ⇧F6      |

DEFAULT KEYMAP

| General                                   | Windows                | Mac       |
|-------------------------------------------|------------------------|-----------|
| Open corresponding tool window            | Alt + #[0-9]           | ⌘O ... ⌘9 |
| Save all                                  | Ctrl + S               | ⌘S        |
| Synchronize                               | Ctrl + Alt + Y         | ⌘⇧Y       |
| Toggle maximizing editor                  | Ctrl + Shift + F12     | ⌘⇧F12     |
| Inspect current file with current profile | Alt + Shift + I        | ⌘⇧I       |
| Quick switch current scheme               | Ctrl + BackQuote (`)   | ^S, ^`    |
| Open Settings dialog                      | Ctrl + Alt + S         | ⌘,        |
| Open Project Structure dialog             | Ctrl + Alt + Shift + S | ⌘;        |
| Find Action                               | Ctrl + Shift + A       | ⌘⇧A       |

Debugging

|                            |                         |           |
|----------------------------|-------------------------|-----------|
| Step over / into           | F8 / F7                 | F8 / F7   |
| Smart step into / Step out | Shift + F7 / Shift + F8 | ⇧F7 / ⇧F8 |
| Run to cursor              | Alt + F9                | ⌘F9       |
| Evaluate expression        | Alt + F8                | ⌘F8       |
| Resume program             | F9                      | ⌘⇧R       |
| Toggle breakpoint          | Ctrl + F8               | ⌘F8       |
| View breakpoints           | Ctrl + Shift + F8       | ⌘⇧F8      |

Search / Replace

|                        |                        |          |
|------------------------|------------------------|----------|
| Search everywhere      | Double Shift           | Double ⇧ |
| Find                   | Ctrl + F               | ⌘F       |
| Find next / previous   | F3 / Shift + F3        | ⌘G / ⌘⇧G |
| Replace                | Ctrl + R               | ⌘R       |
| Find in path           | Ctrl + Shift + F       | ⌘⇧F      |
| Replace in path        | Ctrl + Shift + R       | ⌘⇧R      |
| Select next occurrence | Alt + J                | ^G       |
| Select all occurrences | Ctrl + Alt + Shift + J | ^⌘G      |
| Unselect occurrence    | Alt + Shift + J        | ^G       |

Learn more and download at: [jetbrains.com/idea](https://jetbrains.com/idea)

| Editing                                         | Windows              | Mac       |
|-------------------------------------------------|----------------------|-----------|
| Basic code completion                           | Ctrl + Space         | ^ Space   |
| Smart code completion                           | Ctrl + Shift + Space | ^⇧ Space  |
| Complete statement                              | Ctrl + Shift + Enter | ⌘⇧↵       |
| Parameter info (within method call arguments)   | Ctrl + P             | ⌘P        |
| Quick documentation lookup                      | Ctrl + Q             | ^J,       |
| External Doc                                    | Shift + F1           | ⇧F1       |
| Brief Info                                      | Ctrl + mouse         | ⌘ + mouse |
| Show descriptions of error at caret             | Ctrl + F1            | ⌘F1       |
| Generate code...                                | Alt + Insert         | ⌘N, ^↵    |
| Override methods                                | Ctrl + O             | ^O        |
| Implement methods                               | Ctrl + I             | ^I        |
| Surround with...                                | Ctrl + Alt + T       | ⌘⇧T       |
| Comment / uncomment with line comment           | Ctrl + /             | ⌘/        |
| Comment / uncomment with block comment          | Ctrl + Shift + /     | ⌘⇧/       |
| Extend selection                                | Ctrl + W             | ⌘↑        |
| Shrink selection                                | Ctrl + Shift + W     | ⌘↓        |
| Context info                                    | Alt + Q              | ^⇧Q       |
| Show intention actions and quick-fixes          | Alt + Enter          | ⌘↵        |
| Reformat code                                   | Ctrl + Alt + L       | ⌘⇧L       |
| Optimize imports                                | Ctrl + Alt + O       | ^⇧O       |
| Auto-indent line(s)                             | Ctrl + Alt + I       | ^⇧I       |
| Indent / unindent selected lines                | Tab / Shift + Tab    | → / ⇧→    |
| Cut current line to clipboard                   | Ctrl+X, Shift+Delete | ⌘X        |
| Copy current line to clipboard                  | Ctrl+C, Ctrl+Insert  | ⌘C        |
| Paste from clipboard                            | Ctrl+V, Shift+Insert | ⌘V        |
| Paste from recent buffers...                    | Ctrl+Shift + V       | ⌘⇧V       |
| Duplicate current line                          | Ctrl+D               | ⌘D        |
| Delete line at caret                            | Ctrl+Y               | ⌘⌫        |
| Smart line join                                 | Ctrl+Shift + J       | ^⇧J       |
| Smart line split                                | Ctrl+Enter           | ⌘↵        |
| Start new line                                  | Shift + Enter        | ⇧↵        |
| Toggle case for word at caret or selected block | Ctrl + Shift + U     | ⌘⇧U       |
| Select till code block end / start              | Ctrl + Shift + ] / [ | ⌘⇧] / ⌘⇧[ |
| Delete to word end                              | Ctrl + Delete        | ⌘⌫        |
| Delete to word start                            | Ctrl + Backspace     | ⌘〉        |
| Expand / collapse code block                    | Ctrl + NumPad+ / -   | ⌘ + / ⌘ - |
| Expand all                                      | Ctrl + Shift+NumPad+ | ⌘⇧+       |
| Collapse all                                    | Ctrl + Shift+NumPad- | ⌘⇧-       |
| Close active editor tab                         | Ctrl + F4            | ⌘W        |

Refactoring

|                   |                        |         |
|-------------------|------------------------|---------|
| Copy              | F5                     | F5      |
| Move              | F6                     | F6      |
| Safe Delete       | Alt + Delete           | ⌘Delete |
| Rename            | Shift + F6             | ⇧F6     |
| Refactor this     | Ctrl + Alt + Shift + T | ^T      |
| Change Signature  | Ctrl + F6              | ⌘F6     |
| Inline            | Ctrl + Alt + N         | ⌘⇧N     |
| Extract Method    | Ctrl + Alt + M         | ⌘⇧M     |
| Extract Variable  | Ctrl + Alt + V         | ⌘⇧V     |
| Extract Field     | Ctrl + Alt + F         | ⌘⇧F     |
| Extract Constant  | Ctrl + Alt + C         | ⌘⇧C     |
| Extract Parameter | Ctrl + Alt + P         | ⌘⇧P     |

[jetbrains.com/idea/features](https://jetbrains.com/idea/features)

| Navigation                                | Windows                 | Mac         |
|-------------------------------------------|-------------------------|-------------|
| Go to class                               | Ctrl + N                | ⌘O          |
| Go to file                                | Ctrl + Shift + N        | ⌘⇧O         |
| Go to symbol                              | Ctrl + Alt + Shift + N  | ⌘⇧⇧O        |
| Go to next / previous editor tab          | Alt + Right / Left      | ^← / ^→     |
| Go back to previous tool window           | F12                     | F12         |
| Go to editor (from tool window)           | Esc                     | ⌵           |
| Hide active or last active window         | Shift + Esc             | ⇧⌵          |
| Go to line                                | Ctrl+G                  | ⌘L          |
| Recent files popup                        | Ctrl+E                  | ⌘E          |
| Navigate back / forward                   | Ctrl+Alt + Left / Right | ⌘⇧← / ⌘⇧→   |
| Navigate to last edit location            | Ctrl+Shift+Backspace    | ⌘⇧⌫         |
| Select current file or symbol in any view | Alt + F1                | ⌘F1         |
| Go to declaration                         | Ctrl + B , Ctrl + Click | ⌘B, ⌘Click  |
| Go to implementation(s)                   | Ctrl + Alt + B          | ⌘⇧B         |
| Open quick definition lookup              | Ctrl + Shift + I        | ⌘⇧Space, ⌘Y |
| Go to type declaration                    | Ctrl + Shift + B        | ^⇧B         |
| Go to super-method / super-class          | Ctrl + U                | ⌘U          |
| Go to previous / next method              | Alt + Up / Down         | ^↑ / ^↓     |
| Move to code block end / start            | Ctrl + ] / [            | ⌘] / ⌘[     |
| File structure popup                      | Ctrl + F12              | ⌘F12        |
| Type hierarchy                            | Ctrl + H                | ^H          |
| Method hierarchy                          | Ctrl + Shift + H        | ⌘⇧H         |
| Call hierarchy                            | Ctrl + Alt + H          | ^⇧H         |
| Next / previous highlighted error         | F2 / Shift + F2         | F2 / ⇧F2    |
| Edit source / View source                 | F4 / Ctrl + Enter       | F4 / ⌘↵     |
| Show navigation bar                       | Alt + Home              | ⌘Home       |
| Toggle bookmark                           | F11                     | F3          |
| Toggle bookmark with mnemonic             | Ctrl + F11              | ⌘F3         |
| Go to numbered bookmark                   | Ctrl + #[0-9]           | ^O ... ^9   |
| Show bookmarks                            | Shift + F11             | ⌘⇧F3        |

Compile and Run

|                                               |                        |          |
|-----------------------------------------------|------------------------|----------|
| Make project (compile modified and dependent) | Ctrl + F9              | ⌘F9      |
| Compile selected file, package or module      | Ctrl + Shift + F9      | ⌘⇧F9     |
| Select configuration and run / debug          | Alt + Shift + F10 / F9 | ^⇧R / D  |
| Run / Debug                                   | Shift + F10 / F9       | ^R / D   |
| Run context configuration from editor         | Ctrl + Shift + F10     | ^⇧R, ^⇧D |

Usage Search

|                                   |                      |           |
|-----------------------------------|----------------------|-----------|
| Find usages / Find usages in file | Alt + F7 / Ctrl + F7 | ⌘F7 / ⌘F7 |
| Highlight usages in file          | Ctrl + Shift + F7    | ⌘⇧F7      |
| Show usages                       | Ctrl + Alt + F7      | ⌘⇧⇧F7     |

VCS / Local History

|                         |                     |     |
|-------------------------|---------------------|-----|
| Commit project to VCS   | Ctrl + K            | ⌘K  |
| Update project from VCS | Ctrl + T            | ⌘T  |
| Push commits            | Ctrl + Shift + K    | ⌘⇧K |
| 'VCS' quick popup       | Alt + BackQuote (`) | ^V  |

Live Templates

|                             |                |     |
|-----------------------------|----------------|-----|
| Surround with Live Template | Ctrl + Alt + J | ⌘⇧J |
| Insert Live Template        | Ctrl + J       | ⌘J  |