

**JET  
BRAINS**



# Corporate Overview

**2023**

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# About

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# About JetBrains

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JetBrains is a global software company specializing in the creation of intelligent, productivity-enhancing tools for software developers and teams. It's headquartered in Prague, Czech Republic, with 12 offices globally. JetBrains employs more than 1,800 people and has grown organically, with no external funding. Its product catalog covers every stage of the software development cycle as well as major technologies, programming languages, and educational processes.

- Founded in February 2000
- Funding: private
- CEO: Maxim Shafirov

Headquarters JetBrains s.r.o., registered seat at Na Hřebenech II 1718/8, Praha 4 - Nusle - 140 00, Czech Republic, ID: 26502275, VAT ID: CZ 26502275, company is registered in the Commercial Register maintained by Municipal Court in Prague, Section C, insert 86211

# JetBrains: The Drive to Develop

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At JetBrains, code is our passion. Ever since we started, back in 2000, we have strived to make the strongest, most effective developer tools on earth. By automating routine checks and corrections, our tools speed up production, freeing developers to grow, discover, and create.

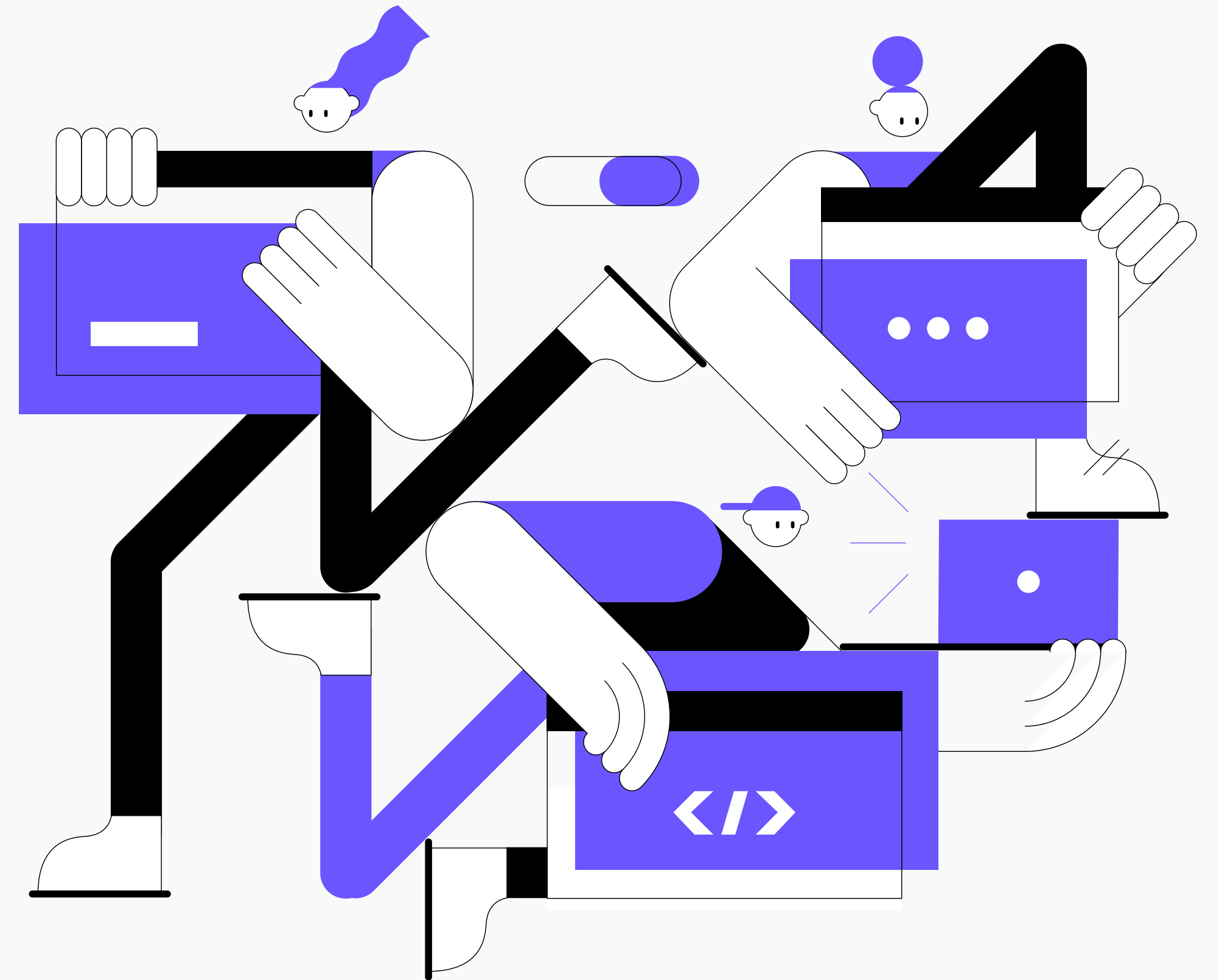


# Our Mission

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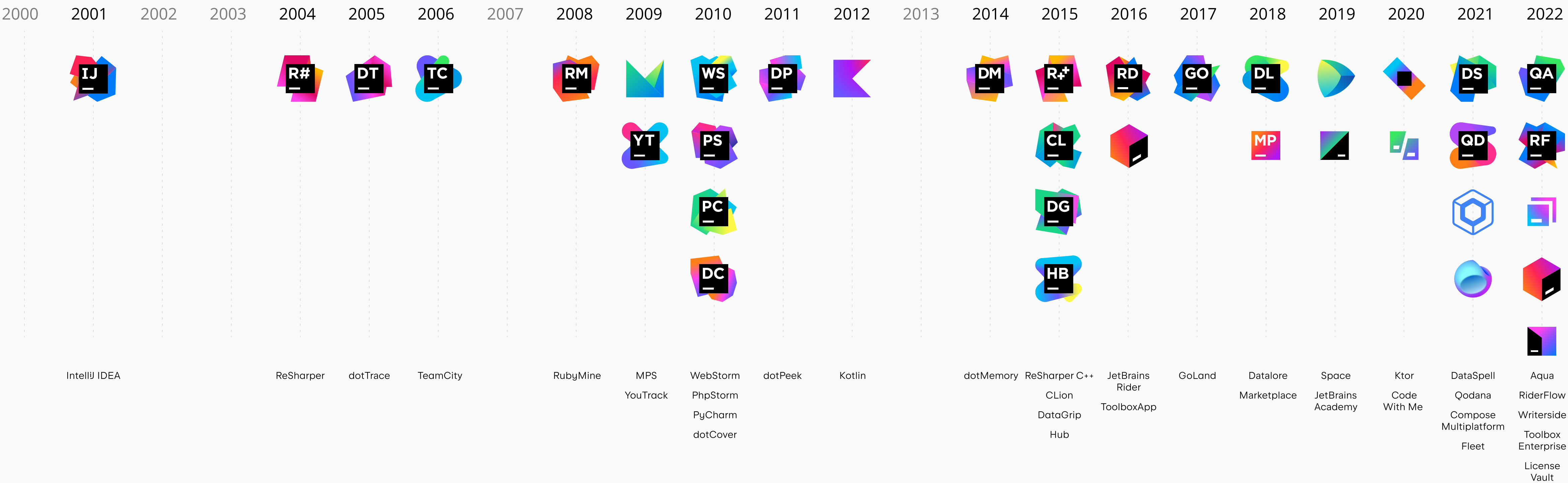
We make professional software development a more productive and enjoyable experience.

We help developers work faster by automating common, repetitive tasks to enable them to stay focused on code design and the big picture. We provide tools to explore and familiarize with code bases faster. Our products make it easy for developers to take care of quality during all the stages of development and spend much less time on maintenance tasks.



# Our History

15.9M+  
users



# Our Products

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At JetBrains, we believe that using the right tool matters for every job. With our products, we cover all the stages of the software development cycle and support productive team collaboration.



# For Developers

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## IDEs

**IntelliJ IDEA** — The leading Java and Kotlin IDE

**PyCharm** — The full-stack Python IDE

**PhpStorm** — Lightning-smart PHP IDE

**RubyMine** — The Intelligent Ruby and Rails IDE

**WebStorm** — The smartest JavaScript IDE

**CLion** — A cross-platform C/C++ IDE

**DataGrip** — The SQL IDE

**GoLand** — A cross-platform Go IDE

**JetBrains Rider** — A cross platform .NET IDE

**DataSpell** — The IDE for Data Science

**Fleet** — Next-generation IDE by JetBrains

**Aqua** — A powerful IDE for test automation

**Code With Me** — Real-time collaborative development

**Toolbox App** — A control panel for your tools and projects

## Languages & Frameworks

**Kotlin** — Modern, concise and safe programming language

**Ktor** — An asynchronous framework for creating microservices, web applications, and more

**Compose Multiplatform** — Declarative multiplatform UI framework for Kotlin

**MPS** — Create your own domain-specific language

## .NET & VS Tools

**JetBrains Rider** — A cross-platform .NET IDE

**ReSharper** — Visual Studio extension for .NET developers

**ReSharper C++** — Visual Studio extension for C++ developers

**dotTrace** — .NET performance profiler

**dotCover** — .NET unit test runner and code coverage tool

**dotMemory** — .NET memory profiler

**dotPeek** — Free .NET decompiler and assembly browser

# For Teams

---

**Space** — A complete software development platform

**TeamCity** — Powerful continuous integration out of the box

**Datalore** — Collaborative data science and data exploration for teams

**YouTrack** — Powerful project management for all of your teams

**Hub** — The YouTrack and TeamCity connector

**Qodana** — The code quality platform for your favorite CI

# For Learners and Educators

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**JetBrains Academy** — A place for learning and teaching computer science your way



# New Products

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At JetBrains, we continue to innovate new technology to meet the needs of developers in the modern world.



Aqua



RiderFlow



Writerside



Toolbox  
Enterprise



License  
Vault



New

# A Powerful IDE for Test Automation

Aqua provides a unique feature set distinct from existing JetBrains products. In Aqua, we've assembled everything a test automation engineer needs on a daily basis, including a multi-language IDE (with support for JVM, Python, and JavaScript, and others), an HTTP client, database management functionality, Docker support, a TMS client, and a new, powerful web inspector for UI automation.

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

The screenshot displays the Aqua IDE interface. On the left, a Kotlin file named `JetBrainsPage.kt` is open, showing a class `JetBrainsPage` with various locators for web elements. The code includes imports, a page URL, and several `element()` calls using CSS selectors. A `click()` method is also defined. On the right, the `Web Inspector` tool is active, showing the DOM structure of the page `https://www.jetbrains.com/`. The `Locators Evaluator` panel is also visible, showing a search for `h1[class*='home-page']` with 11 variants found. The background shows the website's header and navigation menu.

```
1 package ui
2
3 > import ...
4
5 // page_url = https://www.jetbrains.com/
6 new *
7 class JetBrainsPage {
8     val essentialToolsHeader = element( cssSelector: "h1[class*='home-page']")
9
10    val pBuildOurSoftwareYou = element( cssSelector: "p[class$='wt-offset-top-8']")
11
12    val buttonGetNow = element( cssSelector: "button[class*='modeRock']")
13
14    val linkButton = element( cssSelector: "a[class*='modeOutline']")
15
16    val h2Trusted = element( cssSelector: "h2[class='rs-h2 rs-h2_theme_light']")
17
18    val pManyTheWorldMost = element( cssSelector: "div[class^='wt-col-7'] p[class$='light']")
19
20    val pIntelliIdeaUndoubtedlyThe = element( cssSelector: "p[class='rs-subtitle-2 rs-subtitle-2-']")
21
22    val svgListSprite = element( cssSelector: "svg[class$='google']")
23
24    val svgListSprite2 = element( cssSelector: "svg[class$='nasa'] use")
25
26    val svgListSprite3 = element( cssSelector: "svg[class$='tesla-motors'] use")
27
28    val h2CustomerStories = element( cssSelector: "h2[class^='rs-h1']")
29
30    val pSeeHowTheWorld = element( cssSelector: "div[class*='wt-col-md-11'] p[class$='light']")
31
32    val linkButton2 = element( cssSelector: "a[class*='modeOutline']")
33
34    new *
35    fun getItNow() = apply { this: JetBrainsPage
36        buttonGetNow.click()
37    }
38 }
```



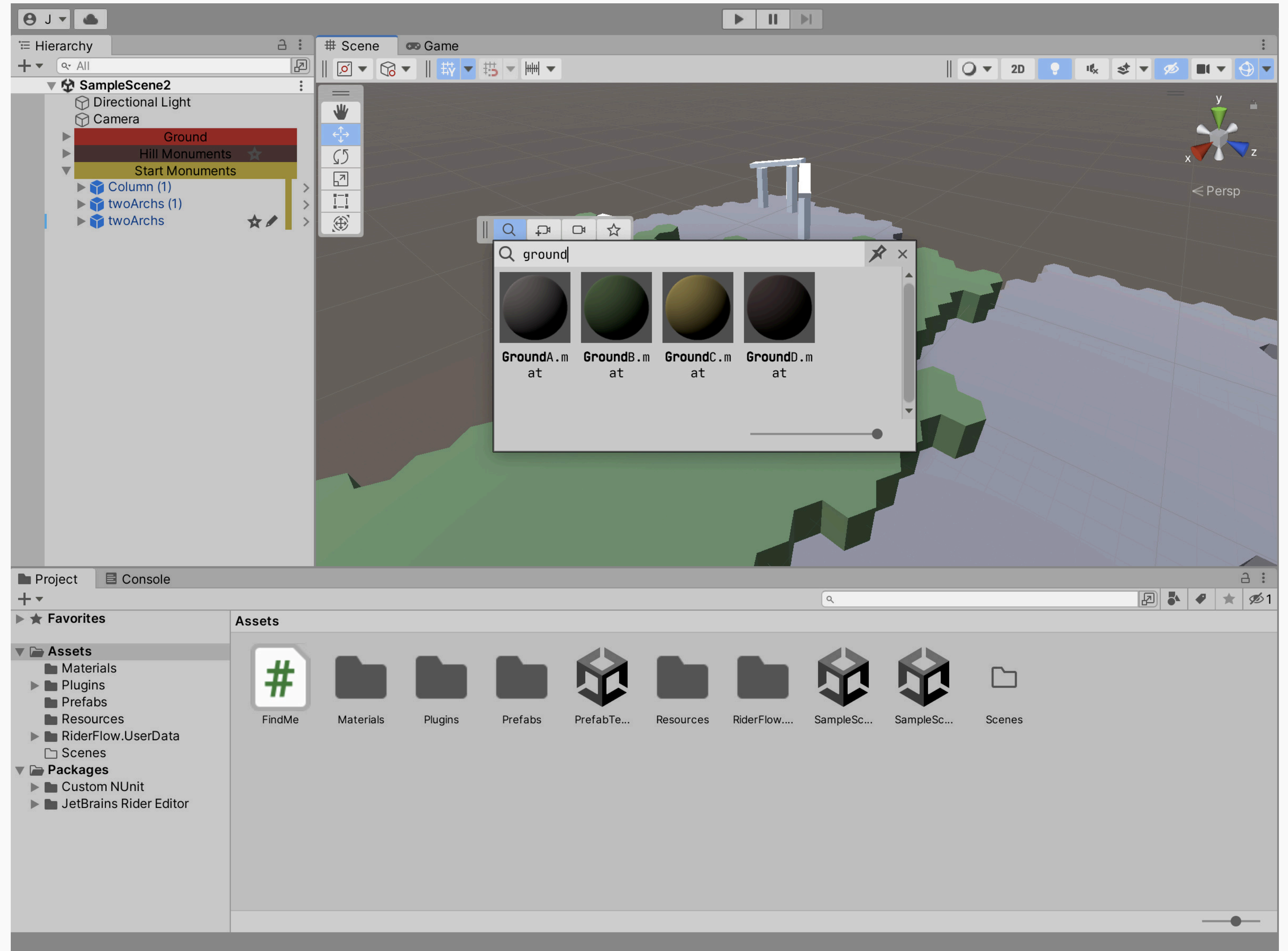
# RF RiderFlow

New

## Scenery tool to build and manage your 3D space

RiderFlow is a free plugin for the Unity Editor that helps you gain a deeper understanding of scenes. It introduces a number of features that work together to make you more productive in the editor – manage complex scenes, move around with ease, find the assets you need, replace placeholder objects and more. Good quality of life features designed to make you more productive in the Unity editor, spending less time hunting for objects or assets or resetting scene views, and more time understanding your scene and improving your game.

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

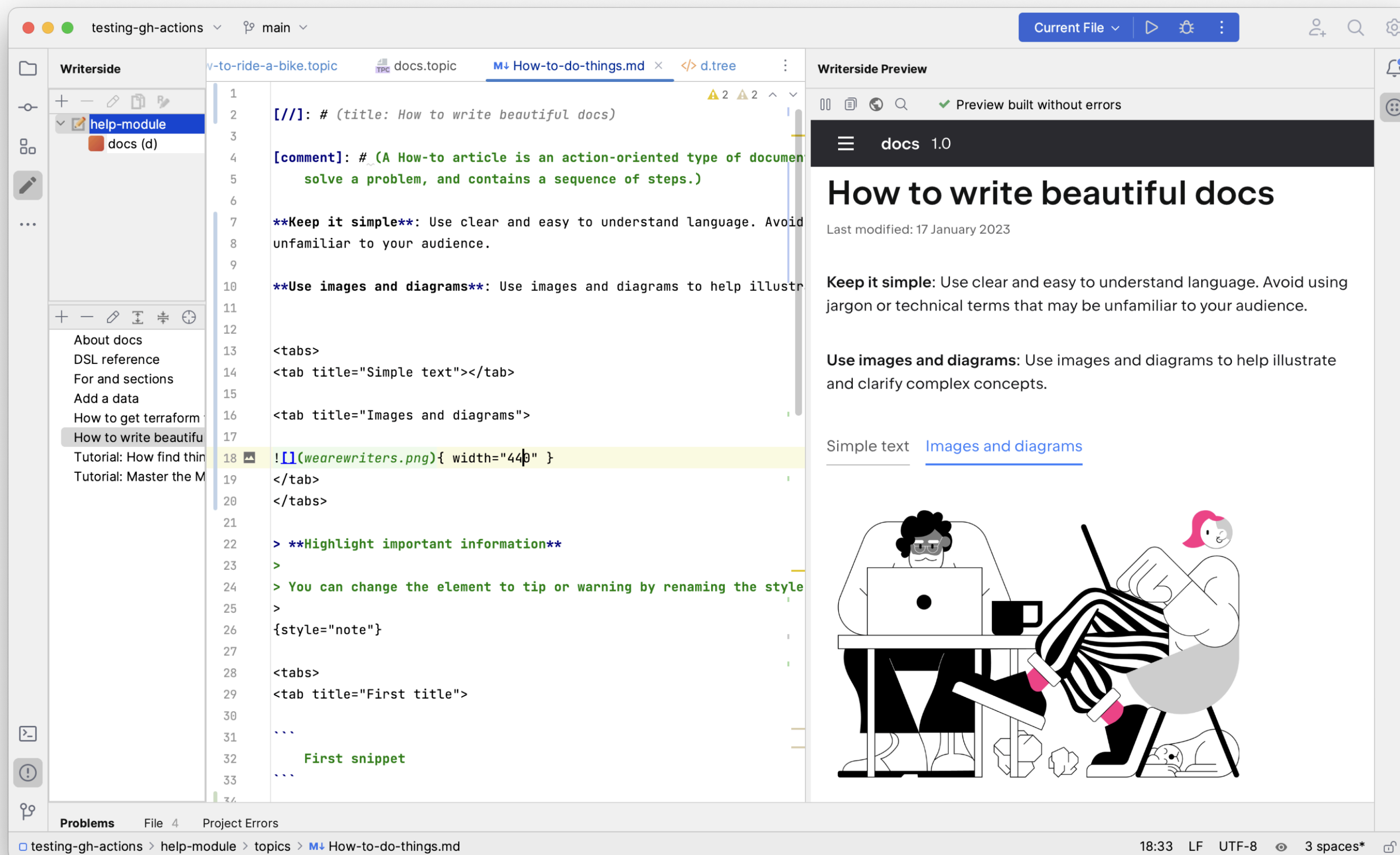


# Use the power of developer tools to create online documentation

Equip your technical writers with a new documentation authoring tool based on the same platform as JetBrains IDEs. Use Markdown, semantic markup, or a combination of both to create product docs, tutorials, API references, developer guides, and how-to articles. With Writerside, you can single-source and reuse content with filters and variables. The live preview feature shows docs in their final designs, so you can check them even before they are built and go into production.

Take part in the free Early Access Program.

[jb.gg/writerside](https://jb.gg/writerside)







# Toolbox Enterprise

New

## Manage IntelliJ-based IDEs at scale

Toolbox Enterprise is a centralized way to provide IntelliJ-based IDEs to your developers securely and consistently. Make sure that only approved IDE builds make it to your developers' machines, propagate global IDE settings, and hand pick and distribute approved plugins, including non-public ones. Toolbox Enterprise also allows you to collect anonymous analytics to discover and eliminate productivity roadblocks.

Learn more at  
[jetbrains.com/toolbox-enterprise](https://jetbrains.com/toolbox-enterprise)

The screenshot displays the Toolbox Enterprise configuration page for the 'A-team' profile. The interface includes a top navigation bar with links for Configuration, Profiles, Users, Plugins, Analytics, and Help, along with a user profile 'Jonny Bruch'. The main content area is divided into three columns: Applications, Settings, and Plugins. A toggle switch at the top indicates that new IDE versions are included automatically with the 'Release' quality level.

- Applications:** A list of IDEs with their versions: AppCode (Excluding 222\*, 221\*), Aqua (All versions), CLion (All versions), DataGrip (All versions), DataLore (All versions), GoLand (All versions), IntelliJ IDEA Ultimate (All versions), PhpStorm (All versions), PyCharm (All versions), DataSpell (All versions), IntelliJ IDEA Ultimate (All versions), PhpStorm (All versions), and PyCharm (All versions).
- Settings:** A list of IDE-specific settings: Aqua (IDEA\_VM\_OPTIONS), IntelliJ IDEA Ultimate (IDEA\_VM\_OPTIONS), PhpStorm (IDEA\_VM\_OPTIONS), Aqua and DataGrip (Reformat code before commit, Disable auto import), IntelliJ IDEA Ultimate (Enable memory indicator all), and ReSharper (Do not confirm IDE exit).
- Plugins:** A list of plugins: Scala (org.intelliij.scala) for all IDEs, and Symfony Support (fr.adrienbrault.idea.symfony2plugin) for PhpStorm.

At the bottom of the page, there is a footer with the following information: 'Toolbox Enterprise 1.0.2438 by JetBrains', 'Copyright © 2021–2022 JetBrains', and 'Third-Party Licenses Feedback'.



New

# Efficient management of JetBrains licenses for growing teams and enterprises

License Vault efficiently distributes JetBrains IDE licenses for your entire organization and provides your team with the flexibility to scale as you grow. Your team members get the JetBrains IDEs and plugins they need without any delays, and you can manage the payments at a later date.

Learn more at [jetbrains.com/license-vault](https://jetbrains.com/license-vault)

The screenshot shows the JetBrains License Vault interface for a 'Software Project'. The top navigation bar includes the project ID (15678318), connection status (last connected on January 26, 2023), and an 'Admin' user profile. The main content area displays a summary of 503 total licenses, with 202 currently used. Below this, a table provides a detailed breakdown of licenses for three product categories: 'All Products Pack', 'IntelliJ IDEA', and 'PhpStorm'. Each category lists the license type (All, Regular, True-Up, Virtual), the number of added and used licenses, and the usage ratio. Additionally, a bar chart for each category shows the 'Allocation for last 60 days', with a tooltip indicating 176 licenses were used on January 13th.

Product	License type	Added licenses	Used licenses	Usage ratio	Allocation for last 60 days
All Products Pack	All	205	55	27%	
	Regular	54	18	33%	
	Virtual	151	37	25%	
IntelliJ IDEA	All	198	97	49%	
	Regular	147	80	54%	
	True-Up	17	17	100%	
	Virtual	44	0	0%	
PhpStorm	All	100	50	50%	 176 licenses 13 Jan

# Pricing & Licensing

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**We offer pricing and licensing options for everyone, from free and open-source projects to multinational enterprises.**

## **JetBrains Toolbox (desktop tools)**

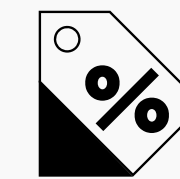
- Subscription-based licensing with monthly and yearly plans.
- [Continuity discounts](#): a special discount to reward our customers for timely and uninterrupted subscription coverage.
- [Perpetual fallback licenses](#): a license that allows you to use a specific version of software without an active subscription for it.

**Various plans for team tools, installed on your server or hosted by us.**

**Expert level product support included with every license.**

For more details, please visit our website

- Pricing & special offers: [jetbrains.com/store](https://jetbrains.com/store)
- Licensing model: [sales.jetbrains.com](https://sales.jetbrains.com)



Special pricing for individual developers and start-up companies.

Registered non-profit organizations can apply for a special discount.

Owners of competing commercial tools qualify for 25% discount off ([learn more](#)).

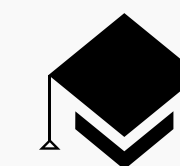
40% graduation discount for former student license holders (for 2 years)



Special licensing schemes for enterprises.



Free licenses for qualified open-source projects.



Free licenses for students, instructors and educational institutions.

# Accomplishments

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- Customers
- Testimonials
- Awards and Recognition

# Customers

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Many of the world's most dynamic companies and individuals find JetBrains tools make them more creative and effective.

**15.9M+**  
users trust our tools

**NPS 65**  
Net Promoter Score

Highly  
loyal  
customers

 citibank

 Expedia®

 The New York Times

 WIKIPEDIA



 Google

 VALVE®



 Pivotal™



 UBISOFT

# What customers say

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WebStorm is like a Swiss Army knife. There is always a better tool for some particular case, but WebStorm is the only all-in-one solution with robust support for all cases you can face on a daily basis as a JavaScript developer. Plus, it's pretty, solid, feature-rich, and easy to use.



Ruslan Trachuk  
Chief Technology Officer  
Unidata

PyCharm has tons of advantages when compared to text editors in terms of supported functionality. With respect to Python development, PyCharm definitely stands out with features like remote debugging, code quality checks, and integrations with third-party software like Docker and Kubernetes.



Swapnil Kulkarni  
Active Technology Contributor  
OpenStack

Our Code Reviews improved significantly and we've been able to leverage Space's webhooks with TeamCity to build each reviewed branch and deploy it to our QA so the branch can be tested before being merged. It's now also easier to track who's out of the office.



Tadeas Kriz  
CTO and CoFounder  
Brightify

My team could not have responded to the needs of our organization during the pandemic without the agility and precision that Space made possible.



Joshua Bigoss  
Director of Data Services  
Ensign Services

## Case studies:

[jetbrains.com/company/customers/experience.html](https://jetbrains.com/company/customers/experience.html)

## Testimonials:

[jetbrains.com/company/customers/testimonials.html](https://jetbrains.com/company/customers/testimonials.html)



# Awards and Recognition

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JetBrains has won 115+ international industry awards since the turn of the century.



G2 Top 50  
EMEA Software  
Sellers

JetBrains



G2 Top 50  
Development  
Products

TeamCity



The 2022  
SD Times 100:  
Development Tools

JetBrains



Visual Studio  
Magazine Reader's  
Choice  
Award 2022 Gold

ReSharper  
dotTrace



Visual Studio  
Magazine Reader's  
Choice  
Award 2022 Silver

TeamCity

# Partnership

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- Partnership Program
- Technology Partners
- Marketplace
- Community Support

# Strong Partnership Program

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JetBrains works with other companies to provide access to our tools in every region across the globe.

Today we have over 130 resellers helping us reach developers worldwide. Our partners are trusted consultancies and training companies that are able to expand their businesses by offering expert professional services related to our tools.

Read [a story from one of our resellers](#) and learn more about [our partners](#).



# Technology Partners

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At JetBrains, we integrate, collaborate, and co-market with many Technology Partners. These include some of the best names in the industry. We look to partner with companies that share our passion for making developers more productive.

Read more at [jetbrains.com/company/partners-technology](https://jetbrains.com/company/partners-technology)





# Marketplace

## An extension ecosystem for JetBrains products

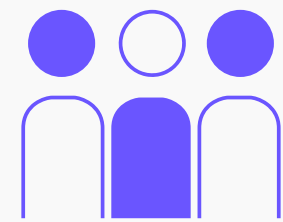
JetBrains Marketplace provides JetBrains products with compatible extensions and powerful tools to enhance the developer experience. For plugin developers, we provide an easy way to distribute, market, and sell their extensions to the global community, while taking advantage of the licensing and billing solutions offered by JetBrains.

Learn more:  
[plugins.jetbrains.com](https://plugins.jetbrains.com)

The screenshot displays the JetBrains Marketplace website. The main header features the 'JET BRAINS Marketplace' logo and navigation links for 'Edu Courses', 'Themes', 'Plugin Ideas', 'Build Plugins', and a user profile for 'Sergei Ilin'. A large banner at the top reads 'Explore plugins for JetBrains Products' with filters for 'IntelliJ Platform', 'Team Tools', and '.NET Tools'. Below this, a search bar indicates 'Search all 6178 IntelliJ Platform plugins'. The main content area is divided into 'Staff Picks for IntelliJ Platform' and a featured plugin page for 'Scala'. The 'Staff Picks' section includes 'MPS BaseLanguage Extensions' (5 stars, 20,578 downloads, free) and 'Selenium' (4 stars, 411,822 downloads). The 'Scala' plugin page shows a 5-star rating, compatibility with IntelliJ IDEA (Ultimate, Community, Educational), and Android Studio. It lists features such as coding assistance, navigation, integration with sbt, testing frameworks support, and a Scala debugger. A code editor snippet is visible, showing Scala code for integration topics. A blue banner at the bottom right says 'We're Hiring Software Developers on IntelliJ Platform' with a 'See the Vacancies' button.

# Close to the Community

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**670+**

user groups  
from 89 countries/regions  
around the world



**1.7M+**

licenses for students  
and faculty members  
(over 2022)



**34K+**

open source projects  
supported with licenses



**2K+**

schools and universities  
received educational subscriptions  
for [classroom assistance](#) in 2022



# Business Year 2022 in Review

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- YoY Growth
- Customer Highlights
- Product Highlights

# YoY Revenue Growth by Region

**15%**

Americas

**7%**

Europe  
Middle East  
Africa

**14%**

Asia-Pacific

## Top 10 Countries/Regions by Paying Customers YoY Growth

14%

Israel

16%

Czech  
Republic

16%

Spain

16%

Italy

17%

Ukraine

18%

Poland

21%

Mainland  
China

22%

Romania

26%

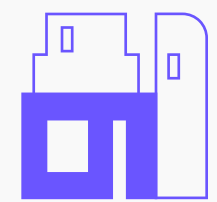
Brazil

**33%**

**Republic  
of Korea**

# Customer Highlights

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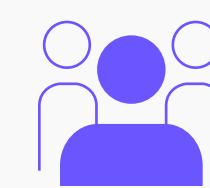
**392** <sup>+45%</sup>

new organizations  
become JetBrains customers every day



**3,654** <sup>+11%</sup>

new individual users  
become JetBrains customers every day



**3M** <sup>+20%</sup>

total customers  
in 2022



**226**

countries and territories  
where subscriptions were sold



**90**

Fortune Global Top 100  
companies are our customers



Top 10 countries/regions  
by the number of active  
customers\*

- |                       |                    |
|-----------------------|--------------------|
| 01. United States     | 06. United Kingdom |
| 02. Mainland China    | 07. Canada         |
| 03. Germany           | 08. India          |
| 04. France            | 09. Poland         |
| 05. Republic of Korea | 10. Brazil         |

\*complimentary + paying, trial excluded

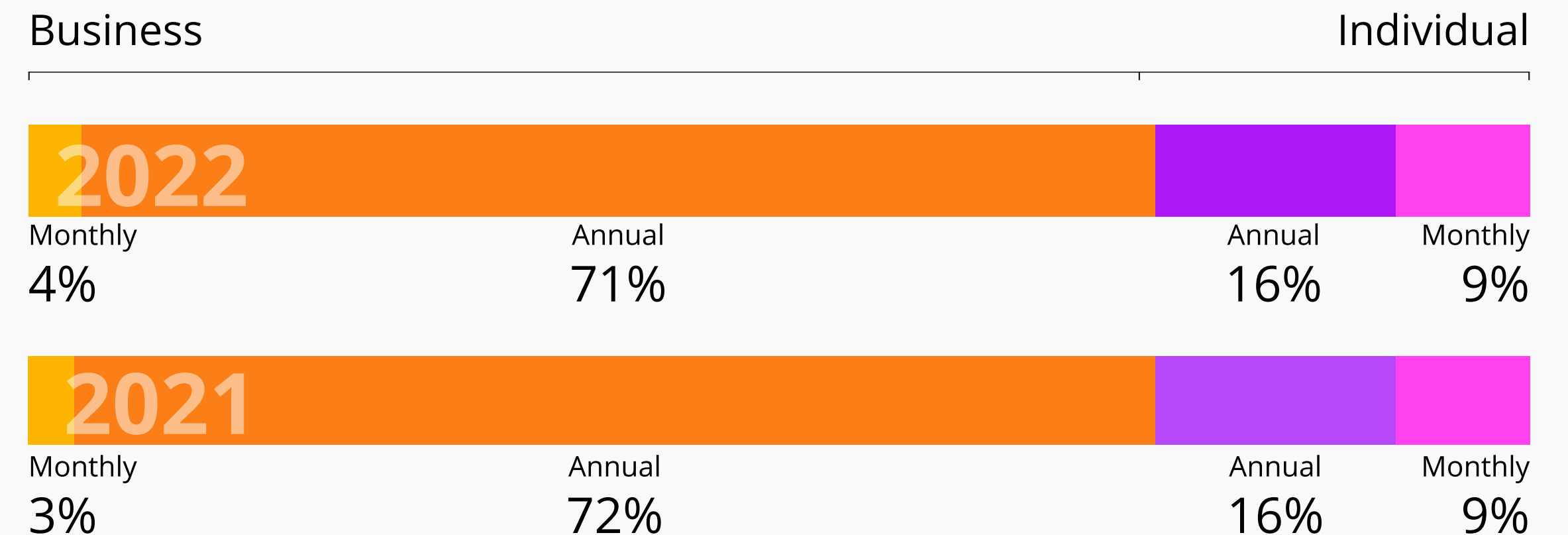
# Product Highlights



## Fastest Growing Products by Paying Customers in 2022

1. Space **+99%**
2. JetBrains Rider **+47%**
3. DataGrip **+24%**
4. Datalore **+23%**
5. All Products Pack **+15%**

## JetBrains Toolbox Subscriptions



Find more on our [JetBrains Annual Highlights 2023](#)

# Offices

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Prague, Czech Republic  
Headquarters EMEA  
and APAC sales

Marilton, USA  
US Sales East Coast

Foster City, USA  
US Sales West Coast

Shanghai, China  
China Sales

Munich, Germany  
R&D Center

Amsterdam, Netherlands  
R&D Center

Boston, USA  
R&D Center

Berlin, Germany  
R&D Center

Belgrad, Serbia  
R&D Center

Paphos, Cyprus  
R&D Center

Yerevan, Armenia  
R&D Center



# Prague, Czech Republic

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JetBrains s.r.o.  
Headquarters,  
EMEA and APAC sales (since 2001)

Address:  
Kavčí Hory Office Park,  
Na hřebenech II 1718/8,  
Praha 4 - Nusle - 140 00,  
Czech Republic

[Learn more](#)





# Munich, Germany

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JetBrains GmbH  
R&D Center  
(since 2011)

Address:  
Christoph-Rapparini-Bogen 23,  
80639 Munich, Germany

[Learn more](#)





# Amsterdam, The Netherlands

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JetBrains N.V.  
R&D Center  
(since 2019)

Address:  
Huidekoperstraat 26-28,  
1017 ZM Amsterdam,  
The Netherlands

[Learn more](#)





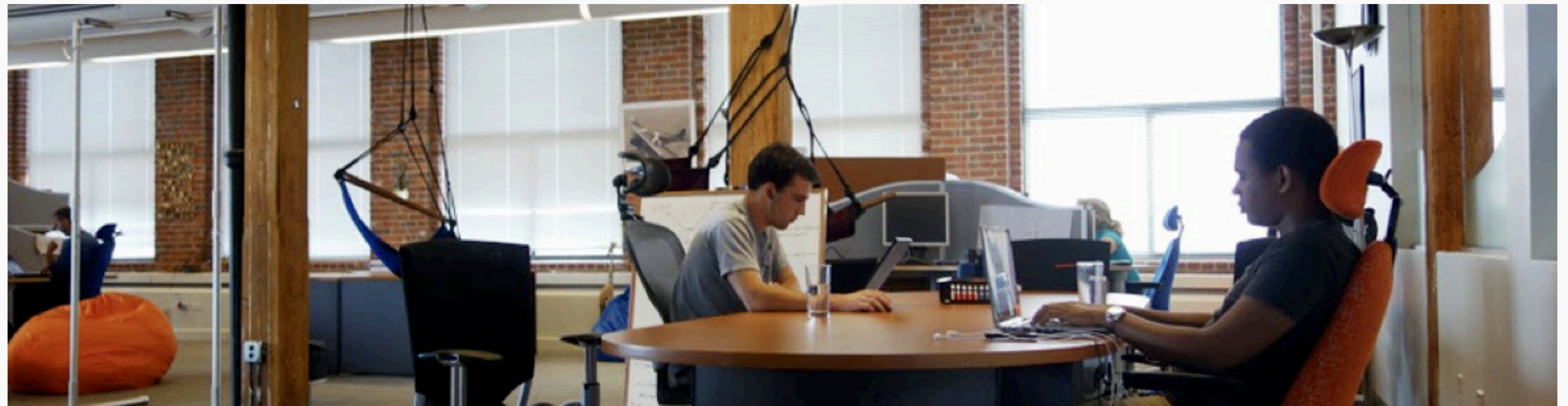
# Boston, MA, USA

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JetBrains, Inc.  
R&D Center  
(since 2003)

Address:  
2 Seaport Lane, suite 8C, 8th floor  
Seaport EAST Boston,  
MA 02210

[Learn more](#)





# Foster City, CA, USA

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JetBrains Americas, Inc.  
West Coast  
US Sales West Coast (since 2015)  
[jetbrainsamericas.com](http://jetbrainsamericas.com)

Address:  
989 East Hillsdale Blvd. Suite 200  
Foster City, CA 94404





# Marlton, NJ, USA

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JetBrains Americas, Inc.  
East Coast  
US Sales East Coast (since 2015)  
[jetbrainsamericas.com](http://jetbrainsamericas.com)

Address:  
10 Lake Center Dr #203  
Marlton, NJ 08053





# Shanghai, China

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JetBrains Shanghai  
China Sales (since 2021)

Address:  
A51.35/F, PingAn Riverfront Financial Center,  
757 Mengzi Road, Huangpu District, Shanghai  
200023, China





# New Offices

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## Berlin, Germany

JetBrains GmbH  
Cuvrystraße 53 Haus F  
10997 Berlin  
Germany

## Belgrad, Serbia

JetBrains d.o.o.  
Đorđa Stanojevića 12  
11070 Belgrade  
Serbia

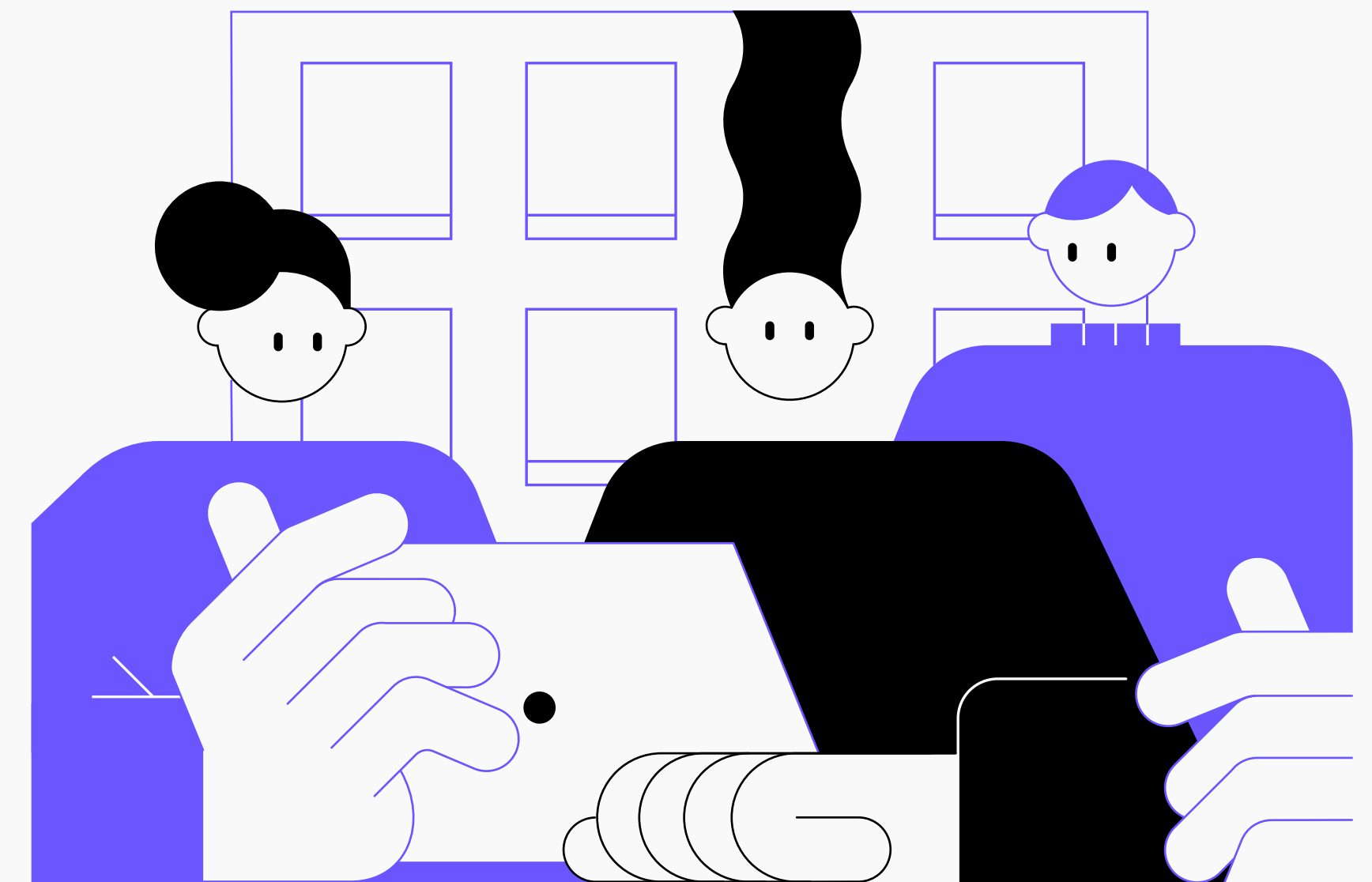
## Paphos, Cyprus

JetBrains Limited  
Evagora Pallikaridi 44  
8010 Paphos  
Cyprus

Eleftheriou Venizelou 9  
8021 Paphos  
Cyprus

## Yerevan, Armenia

JetBrains LLC  
Grigor Lusavorich Street 9  
0015 Yerevan  
Armenia



# Contact Us

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## Headquarters & International Sales

[sales@jetbrains.com](mailto:sales@jetbrains.com)

JetBrains s.r.o.  
Kavčí Hory Office Park, Na Hřebenech II 1718/8  
Praha 4 - Nusle - 140 00, Czech Republic  
Tel: +420 241 72 2501  
Fax: +420 241 722 540

## Americas Sales

[sales.us@jetbrains.com](mailto:sales.us@jetbrains.com)  
Tel.: +1 888 672 1076

**East Coast**  
10 Lake Center Dr #203,  
Marlton, NJ 08053, USA  
Tel: +1 609 714 7883  
Fax: +1 866 838 6784

**West Coast**  
989 East Hillsdale Blvd. Suite 200,  
Foster City, CA 94404, USA  
Tel: +1 650 413 9880  
Fax: +1 866 838 6784

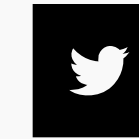
## China Sales

[sales.cn@jetbrains.com](mailto:sales.cn@jetbrains.com)

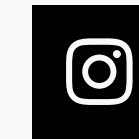
JetBrains Shanghai  
A51. 35/F, PingAn Riverfront Financial Center,  
757 Mengzi Road, Huangpu District,  
Shanghai 200023, China



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



[Twitter](#)



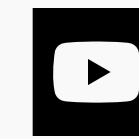
[Instagram](#)



[Facebook](#)



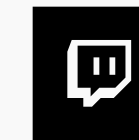
[LinkedIn](#)



[YouTube](#)



[TikTok](#)



[Twitch](#)

# Product Catalog

## IDEs

IntelliJ IDEA  
PyCharm  
PhpStorm  
RubyMine  
WebStorm  
CLion  
DataGrip  
GoLand  
DataSpell  
Fleet  
JetBrains Rider  
Aqua

## .NET & Visual Studio

JetBrains Rider  
ReSharper  
ReSharper C++  
dotTrace  
dotCover  
dotMemory  
dotPeek

## Plugins & Solutions

Code With Me  
Remote  
Development  
RiderFlow  
Writerside  
Toolbox App  
License Vault  
Toolbox  
Enterprise

## Team Tools

Space  
TeamCity  
YouTrack  
Qodana  
Datalore  
Hub

## Languages & Frameworks

Kotlin  
Ktor  
Compose  
Multiplatform  
MPS

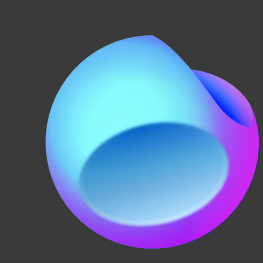
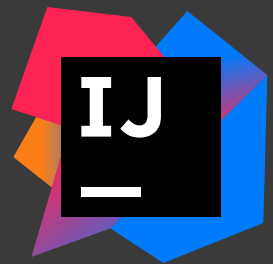
## Educational Products

JetBrains Academy



# Integrated Development Environments

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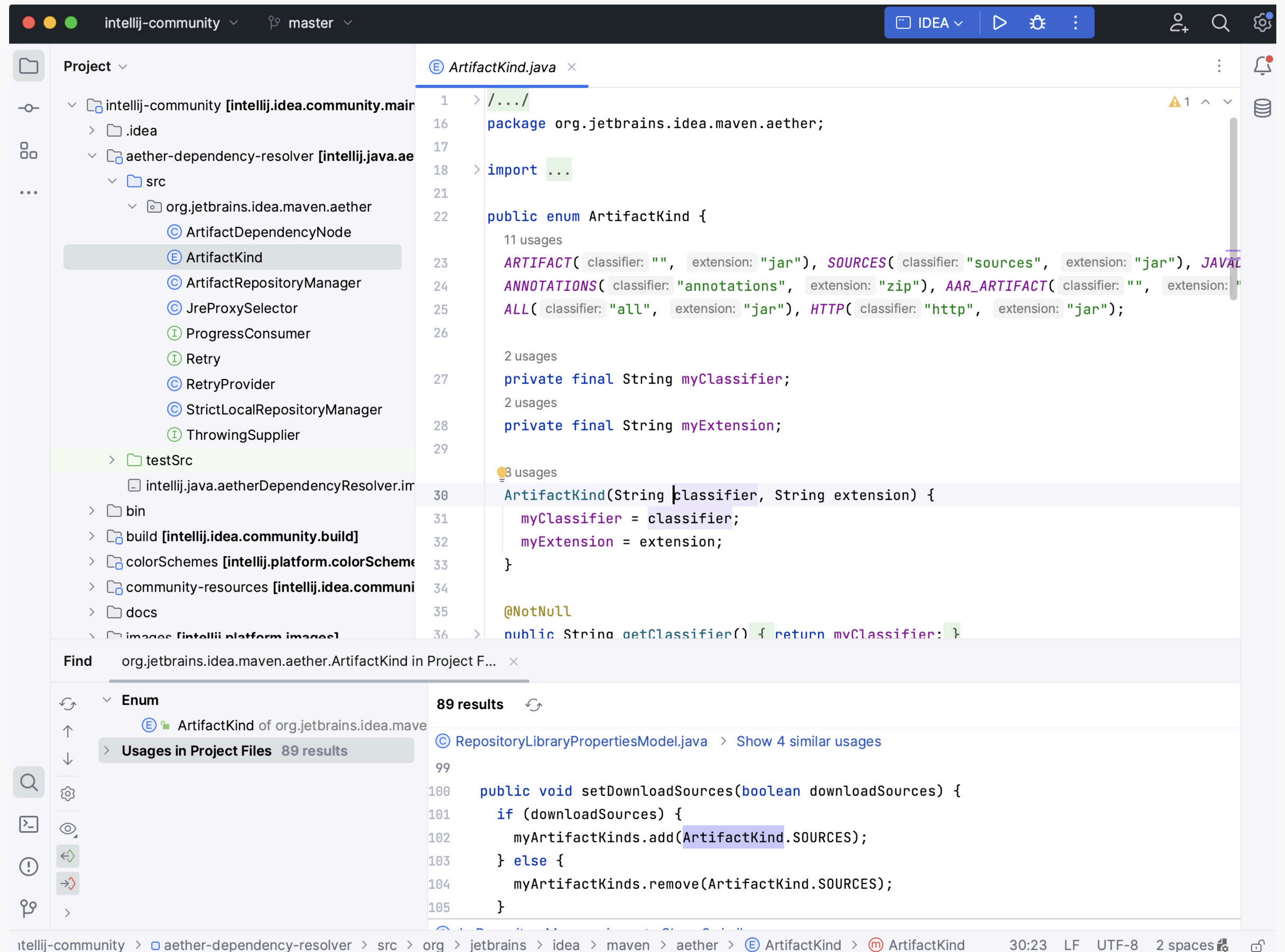
## The leading Java and Kotlin IDE

IntelliJ IDEA helps you produce high-quality code more efficiently, provides everything you need out of the box, and takes care of routine tasks so you can stay focused on the bigger picture. It is used and loved by millions of developers from all around the world.

**IntelliJ IDEA Ultimate** – the full-featured commercial version for Java and Kotlin, web, and enterprise development.

**IntelliJ IDEA Community Edition** – the free version, built on open source, for pure Java and Kotlin development.

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



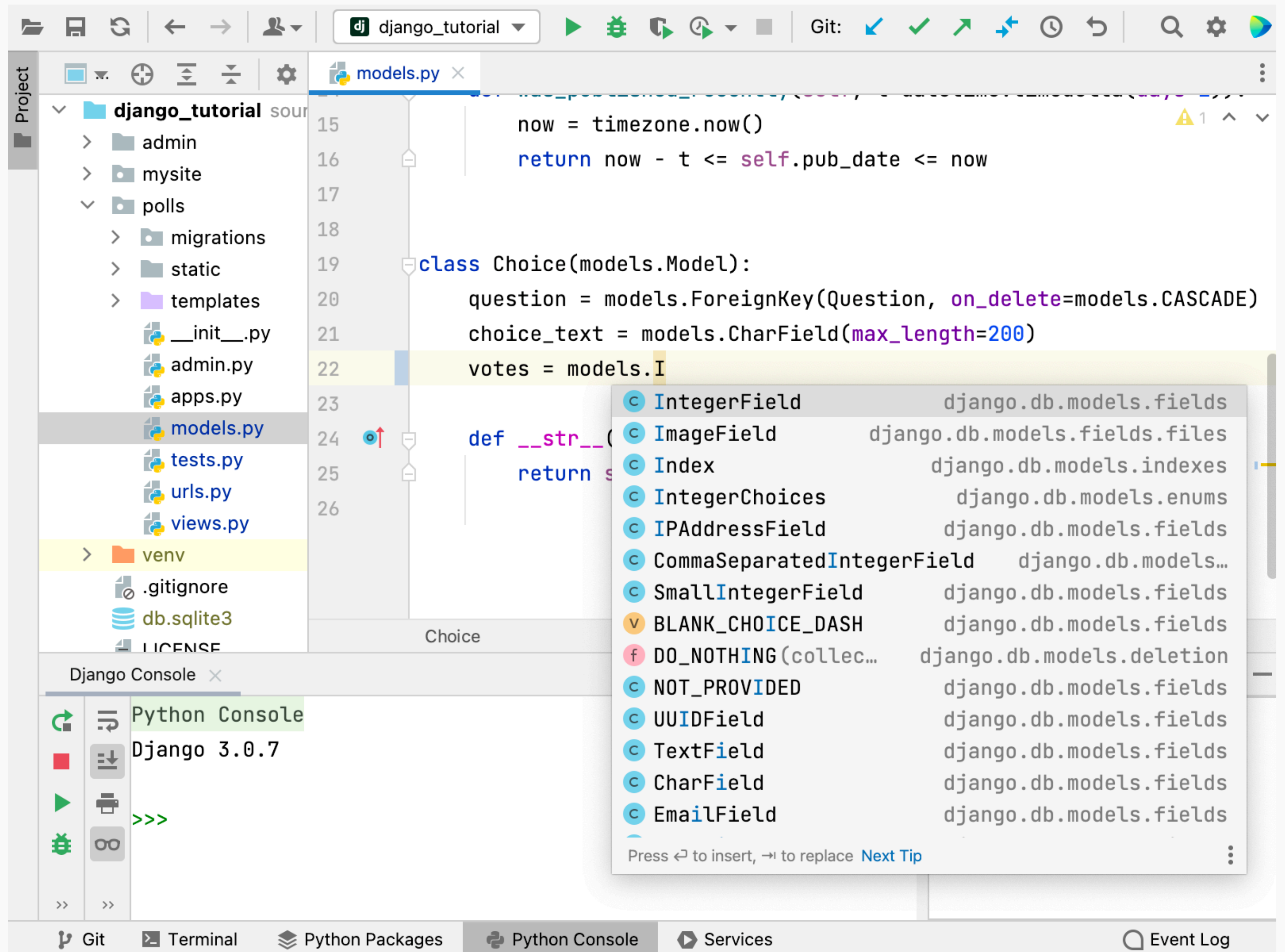




## The Python IDE for professionals that get the work done

PyCharm is an integrated development environment (IDE) that helps professional Python developers write better code, and be more productive and confident. It supports several Python workflows out of the box, including web development, frontend development, database management, and data science.

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



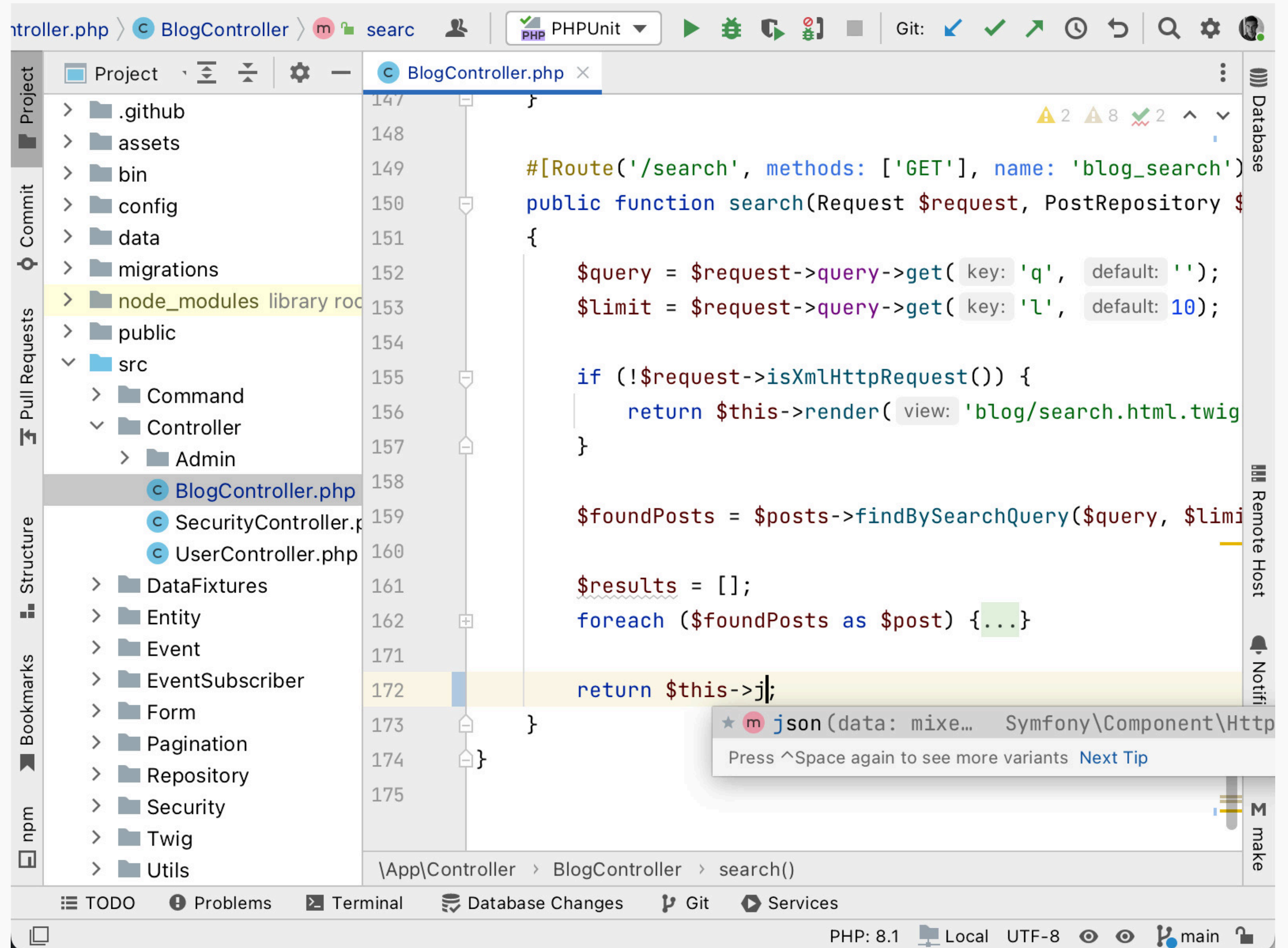


# PS PhpStorm

## The lightning-smart PHP IDE

This professional PHP IDE is recognized as a leader by Symfony, Laravel, Drupal, WordPress, and other major PHP communities. PhpStorm provides the best-in-class code completion, refactoring, code analysis, navigation, debugger, and unit testing support.

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





# RM RubyMine

## The intelligent Ruby and Rails IDE

RubyMine is a cross-platform IDE that provides all the essential tools for Ruby and Ruby on Rails developers out of the box.

It offers smart code completion and analysis, easy code navigation, safe automated refactorings, a powerful interactive debugger, Git workflow support, support for the latest RBS and JavaScript language features, database integration, and many other features. All of the tools are integrated together in a highly customizable, productive, and user-friendly environment.

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

The screenshot displays the RubyMine IDE interface. On the left, the Project Explorer shows a file tree for a Rails application, including folders like storage, test, channels, controllers, fixtures, helpers, integration, mailers, models, system, tmp, and vendor. The 'test' folder is expanded, showing files like spec\_helper.rb, MicropostTest, RelationshipTest, UserTest, and test\_helper.rb. The main editor window shows the code for 'user\_test.rb' with several test cases. A code completion popup is visible over the '@user' variable, suggesting 'UserTest'. The bottom panel shows the Test Results console, indicating that all 14 tests passed successfully. The console output includes the command used to run the tests and the message 'Process finished with exit code 0'.

```
13
14 test name "name should be present" do
15   @us
16   @user
17   Press Ctrl+. to choose the selected (or first) suggestion and insert a dot afterwards Next Tip
18 test name "email should be present" do
19   @user.email = " "
20   assert_not @user.valid?
21 end
22
23 test name "name should not be too long" do
24   @user.name = "a" * 51
25   assert_not @user.valid?
26 end
27
28 test name "email should not be too long" do
29   @user.email = "a" * 244 + "@example.com"
30   assert_not @user.valid?
31 end
32
33 test name "email validation should accept valid addresses" do
```

Run Console TestUnit log x

Tests passed: 14 of 14 tests – 1 sec 171 ms

Test Results 1 sec 171 ms

- ✓ UserTest 1 sec 171 ms
  - ✓ test\_should\_be\_valid 1 sec 9 ms
  - ✓ test\_email\_validation\_should\_reject\_invalid\_addresses 8 ms
  - ✓ test\_should\_follow\_and\_unfollow\_a\_user 53 ms
  - ✓ test\_email\_should\_not\_be\_too\_long 3 ms
  - ✓ test\_feed\_should\_have\_the\_right\_posts 40 ms
  - ✓ test\_email\_validation\_should\_accept\_valid\_addresses 3 ms

C:/Ruby31-x64/bin/ruby.exe -x "D:\JetBrains\Test projects\sample\_rails\_app\test\models\user\_test.rb" -Itest C:\Users\piskl\AppData\Local\JetBrains\Toolbox\apps\RubyMine\bin\plugins\ruby\rb\testing\runner\minitest\_runner.rb --name "/^UserTest/"

Testing started at 18:48 ...

Process finished with exit code 0

sample\_rails\_app > test > models > user\_test.rb > UserTest > @ us







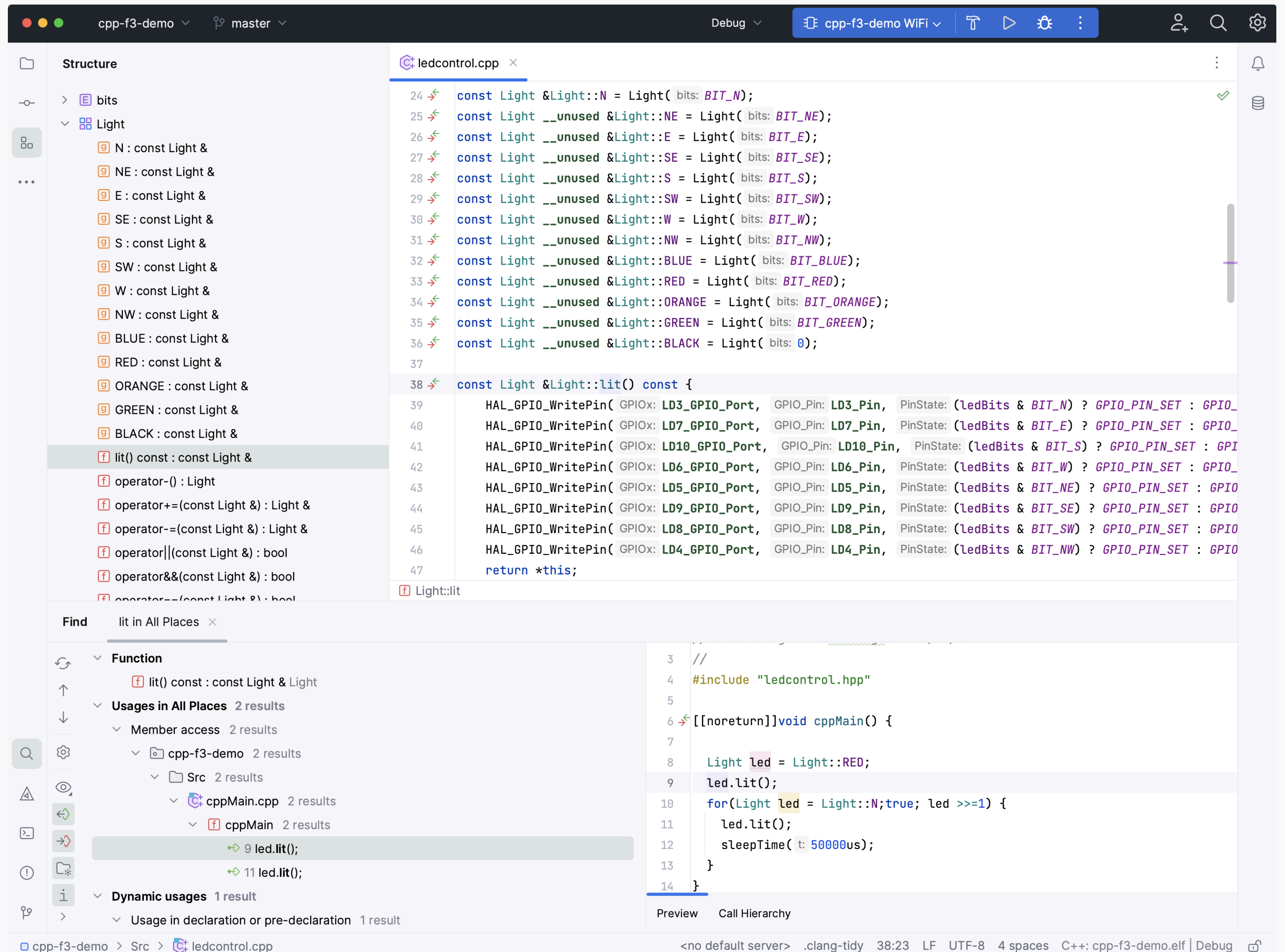
## A cross-platform IDE for C and C++

CLion is a smart IDE for developing in C or C++ on Windows, Linux, and macOS, in either local or remote configurations.

It's packed with an in-depth code analyzer and a wide range of code generation options, in addition to providing you with the ability to navigate to anywhere in your code in just one click.

CLion handles modern C++ standards and heavily templated libraries and integrates with many tools essential for C++ development like debuggers, unit testing frameworks, profilers, package managers, and VCS and database tools.

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







## The SQL IDE

This smart SQL editor and advanced database client is tailored to meet the specific needs of professional database developers. It delivers a range of database tools neatly packed together and running atop the IntelliJ Platform.

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

The screenshot displays the DataGrip SQL IDE interface. The top panel shows a query editor with the following SQL code:

```
SELECT *
FROM actor
JOIN film_actor ON actor.actor_id = film_actor.actor_id
JOIN film ON film_actor.film_id = film.film_id
JOIN film_category ON film.film_id = film_category.film_id;
```

The bottom panel shows the 'Services' tree on the left and the 'Output' window on the right. The 'Output' window displays the results of the query, showing a table with columns 'actor\_id', 'first\_name', and 'last\_name'. The table contains 16 rows of data, with the row for actor\_id 33 (MILLA PECK) highlighted.

actor_id	first_name	last_name
16	SANDRA	PECK
17	SISSY	SOBIESKI
18	JAMES	HACKMAN
19	MILLA	PECK
20	JUDY	DEAN
21	BURT	DUKAKIS
22	VAL	BOLGER
23	TOM	MCKELLEN
24	GOLDIE	BRODY
25	JOHNNY	CAGE





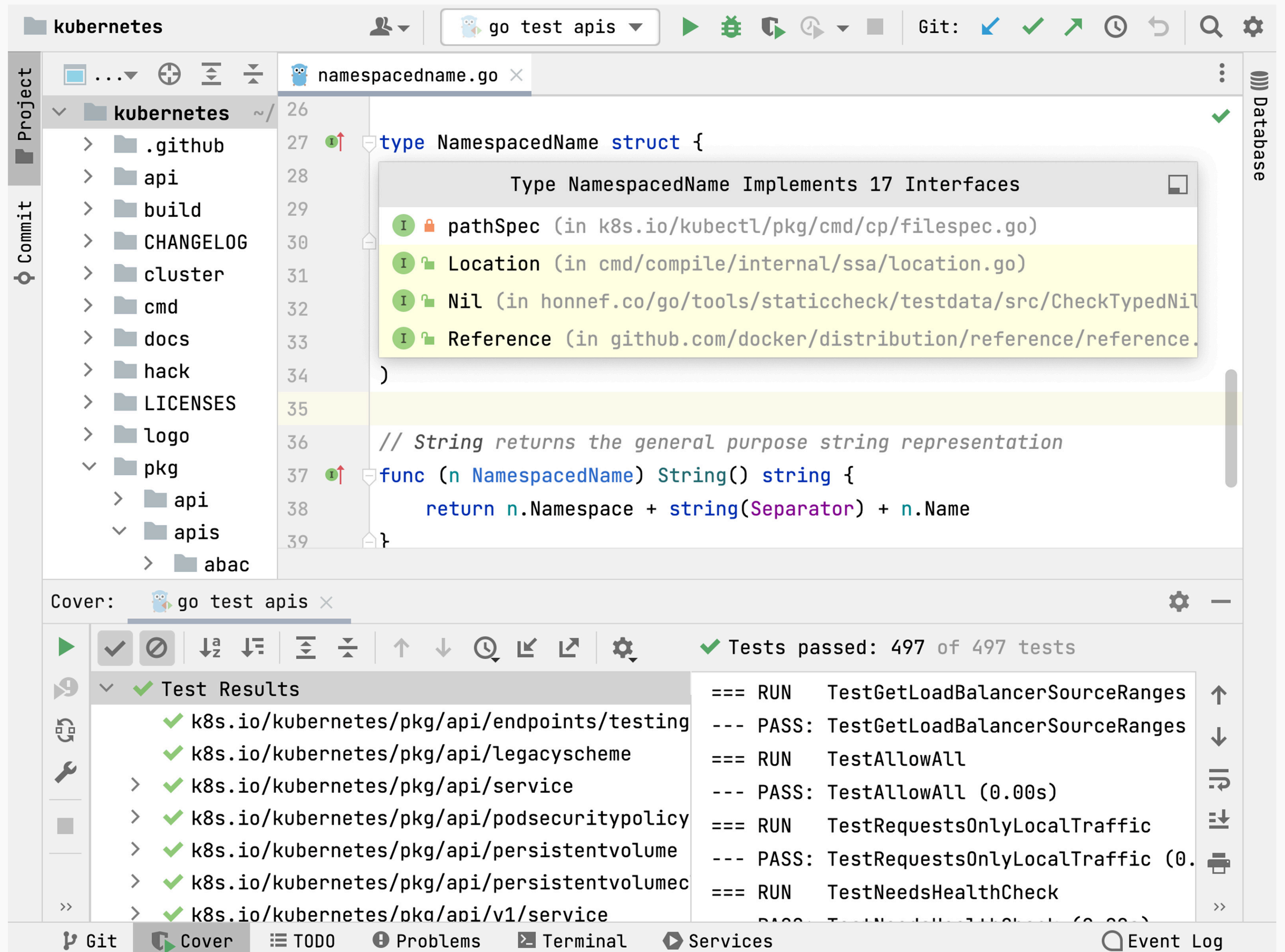
# A cross-platform Go IDE with extended support for JavaScript, TypeScript, and databases

An IDE that makes it easy to read, write, and change more than just Go code, GoLand is fully equipped to work with web, frontend, backend, and databases.

GoLand offers a host of smart features, such as intelligent code completion, safe refactorings with one-step undo, a powerful built-in debugger, and on-the-fly error detection with quick-fixes.

Thanks to GoLand, all Go developers, from novices to experienced professionals, can create fast, efficient, and reliable code.

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





# DS DataSpell

## The IDE for Data Science

DataSpell is an IDE specifically geared towards exploratory data analysis and prototyping machine learning models. It combines the interactivity of Jupyter notebooks with the intelligent Python and R coding assistance of PyCharm in one user-friendly environment.

DataSpell has intelligent coding assistance, version control, and other IDE-specific features, as well as interactive output features like tables, plots, and widgets that help you to visualize data and gain insights from it.

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

The screenshot displays the DataSpell IDE interface. The main window shows a Jupyter notebook titled 'Titanic\_Survival.ipynb'. The code editor contains the following code:

```
In 83 1 corr_matrix=titanic.corr()  
      2 corr_matrix['Survived'].sort_values(ascending=False)  
  
Out 83  Survived    1.000000  
        SibSp     -0.035322  
        Age       -0.069809  
        Embarked  -0.167675  
        Sex       -0.543351  
        Name: Survived, dtype: float64  
  
In 84 1 titanic.plot(kind='density',subplots=True,layout=(6,6),sharex=False,legend=False, fontsize=1,  
                  figsize=(18,12))  
      2 plt.show()  
  
In 85 1 x=titanic.drop("Survived",axis=1)  
      2 y=titanic["Survived"]  
  
In 86 1 x.skew().sort_values(ascending=False)  
  
Out 86  SibSp     3.695352  
        Age      0.434488  
        Sex     -0.618921  
        Embarked -1.264823  
        dtype: float64  
  
In 87 1 from sklearn.preprocessing import power_transform
```

The output of the code includes a table of correlation coefficients and a set of density plots for the variables: Survived, SibSp, Age, Embarked, and Sex. The density plots show the distribution of each variable, with Survived having a bimodal distribution and the others having unimodal distributions.

The IDE interface also shows a sidebar with a file explorer, a structure view, and a terminal window at the bottom. The structure view shows a project structure with a folder named 'Titanic\_Survival.ipynb' and a file named 'Scratches and Consoles'. The terminal window shows the output of the code, including the correlation matrix and the density plots.





# The Next-generation IDE by JetBrains

Built from scratch, based on 20 years of experience developing IDEs.

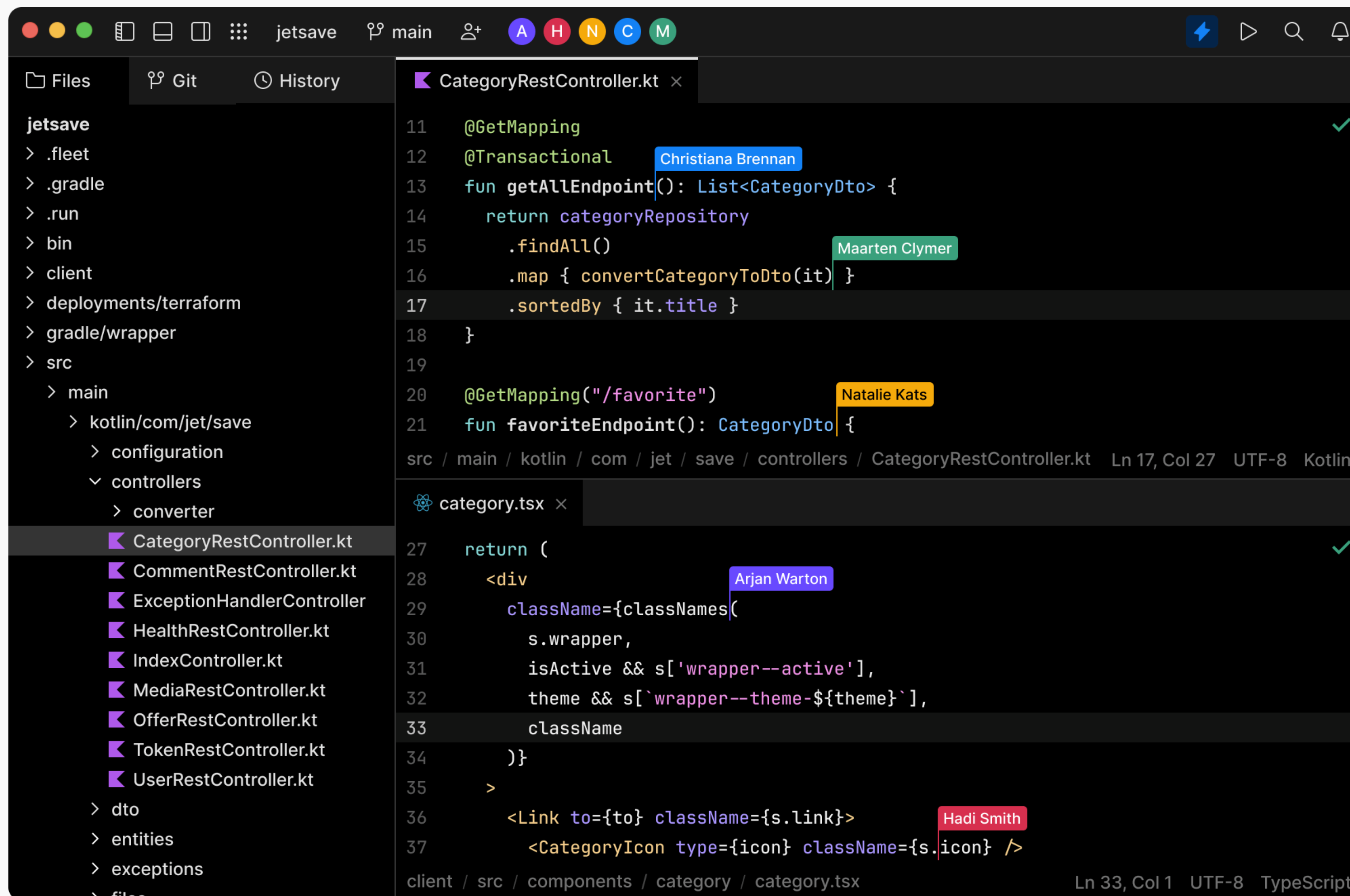
Fleet starts up in an instant as a lightweight text editor, and can easily transform into an IDE, with the IntelliJ code-processing engine running separately from the editor itself.

Providing a polyglot experience, Fleet offers smart support for many languages and technologies out of the box, with support for even more planned via dedicated plugins.

Remote and collaborative workflows are first-class citizens in Fleet.

Fleet is currently in Public Preview.

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





# A Powerful IDE for Test Automation

Aqua provides a unique feature set distinct from existing JetBrains products. In Aqua, we've assembled everything a test automation engineer needs on a daily basis, including a multi-language IDE (with support for JVM, Python, and JavaScript, and others), an HTTP client, database management functionality, Docker support, a TMS client, and a new, powerful web inspector for UI automation.

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

The screenshot displays the Aqua IDE interface. On the left, the code editor shows the `JetBrainsPage.kt` file with the following code:

```
1 package ui
2
3 > import ...
4
5 // page_url = https://www.jetbrains.com/
6 new *
7 class JetBrainsPage {
8     val essentialToolsHeader = element( cssSelector: "h1[class*='home-page']")
9
10    val pBuildOurSoftwareYou = element( cssSelector: "p[class$='wt-offset-top-8']")
11
12    val buttonGetNow = element( cssSelector: "button[class*='modeRock']")
13
14    val linkButton = element( cssSelector: "a[class*='modeOutline']")
15
16    val h2Trusted = element( cssSelector: "h2[class='rs-h2 rs-h2_theme_light']")
17
18    val pManyTheWorldMost = element( cssSelector: "div[class^='wt-col-7'] p[class$='light']")
19
20    val pIntelliIdeaUndoubtedlyThe = element( cssSelector: "p[class='rs-subtitle-2 rs-subtitle-2_...']")
21
22    val svgListSprite = element( cssSelector: "svg[class$='google']")
23
24    val svgListSprite2 = element( cssSelector: "svg[class$='nasa'] use")
25
26    val svgListSprite3 = element( cssSelector: "svg[class$='tesla-motors'] use")
27
28    val h2CustomerStories = element( cssSelector: "h2[class^='rs-h1']")
29
30    val pSeeHowTheWorld = element( cssSelector: "div[class*='wt-col-md-11'] p[class$='light']")
31
32    val linkButton2 = element( cssSelector: "a[class*='modeOutline']")
33
34    new *
35    fun getItNow() = apply { this: JetBrainsPage
36        buttonGetNow.click()
37    }
38 }
```

On the right, the Web Inspector tool is open, showing the page structure of `https://www.jetbrains.com/`. The page title is "Essential tools for software developers and teams". The page content includes sections for "For developers", "For teams", "For learning", and "Kotlin". The Locators Evaluator tool is also visible, showing a search for `h1[class*='home-page']` with 1 match and 11 variants.



# .NET & Visual Studio Tools

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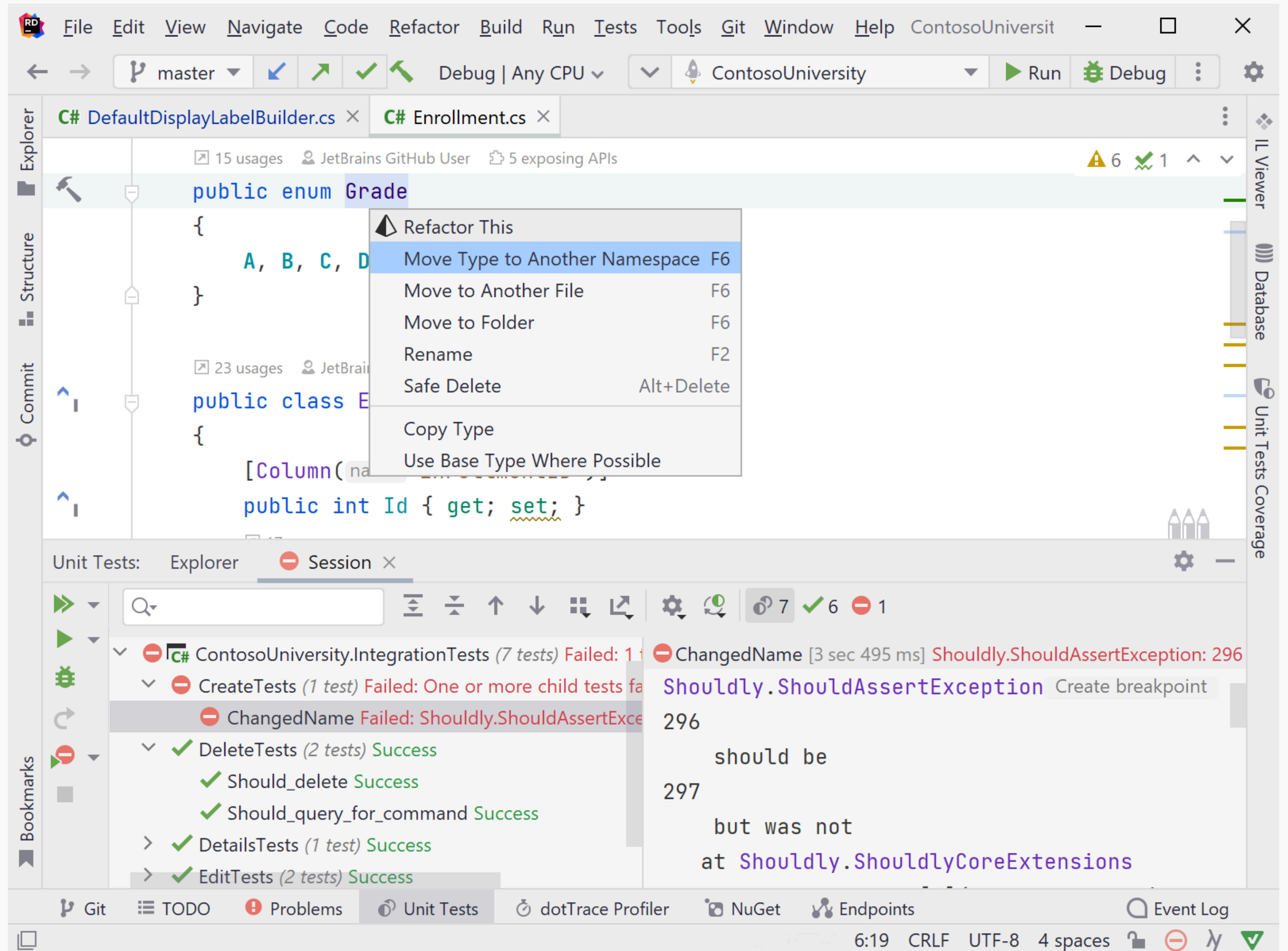


## A fast & powerful, cross-platform .NET IDE

JetBrains Rider helps you develop .NET, .NET Core, .NET Framework, ASP.NET, Unity, and Unreal Engine games, or Xamarin applications on Windows, Mac, and Linux. It provides outstanding editing support and code insight for languages used in .NET development including C#, F#, Razor/Blazor syntax, JavaScript, TypeScript, XAML, HTML, CSS, and SQL.

JetBrains Rider includes 2500+ live code inspections, hundreds of context actions and refactorings provided by ReSharper, all combined with IntelliJ Platform's robust IDE feature set. Although it is heavily loaded with features, JetBrains Rider is fast and responsive.

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





# R# ReSharper

## The leading Visual Studio productivity tool

ReSharper is a renowned productivity tool that turns Microsoft Visual Studio into a much better IDE. Both individual .NET developers and teams rely on ReSharper to write and maintain code in a more manageable and enjoyable way, adopt the best coding practices, and deliver higher-quality applications faster.

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

The screenshot displays the Visual Studio IDE with the ReSharper Refactor This menu open over the `TransformToRowCount` method. The menu options include:

- Refactor This
- Change Signature (Ctrl+F6)
- Inline Method (Ctrl+Alt+N)
- Move To Another Type (F6)
- Rename (F2)
- Safe Delete (Alt+Del)
- Extract Class
- Extract Members to Partial
- Convert Static Method To Extension
- Make Method Non-Static
- Transform Parameters

The background code shows the following C# snippet:

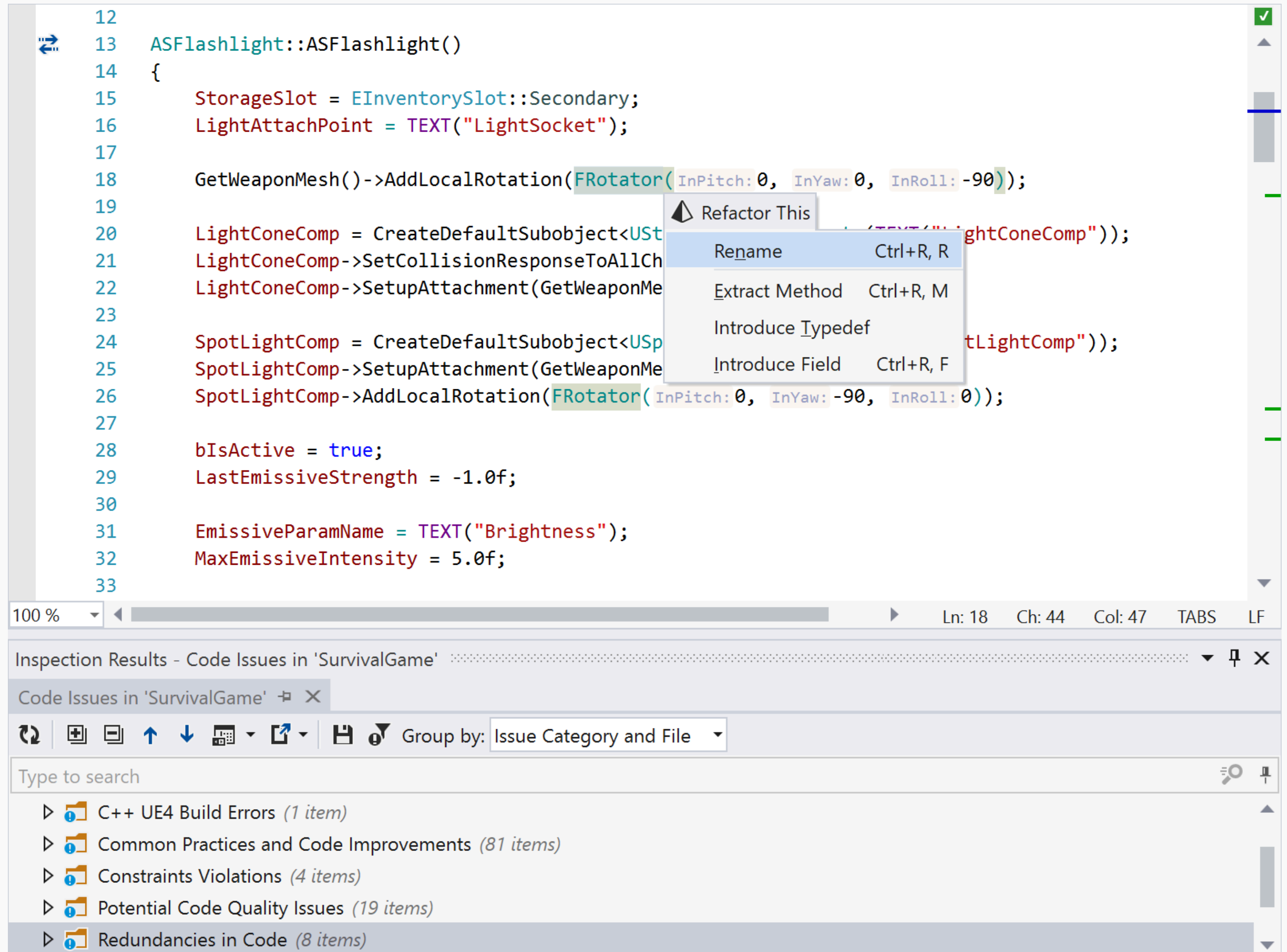
```
25 //
```

# R# ReSharper C++

## The Visual Studio extension for C++ developers

ReSharper C++ is a productivity extension for developing in C++ that fully integrates with Microsoft Visual Studio. It helps developers create efficient and correct code in modern C++ by providing safe refactorings, fast navigation, and code analysis for the trickiest aspects of the language. It offers support for HLSL shaders, the C++/CLI specifications, and Unreal Engine code.

Learn more at [jetbrains.com/resharper-cpp](https://jetbrains.com/resharper-cpp)



```
12
13 ASFlashlight::ASFlashlight()
14 {
15     StorageSlot = EInventorySlot::Secondary;
16     LightAttachPoint = TEXT("LightSocket");
17
18     GetWeaponMesh()->AddLocalRotation(FRotator(InPitch: 0, InYaw: 0, InRoll: -90));
19
20     LightConeComp = CreateDefaultSubobject<USp... (TEXT("LightConeComp"));
21     LightConeComp->SetCollisionResponseToAllCh...
22     LightConeComp->SetupAttachment(GetWeaponMe...
23
24     SpotLightComp = CreateDefaultSubobject<USp... (TEXT("SpotLightComp"));
25     SpotLightComp->SetupAttachment(GetWeaponMe...
26     SpotLightComp->AddLocalRotation(FRotator(InPitch: 0, InYaw: -90, InRoll: 0));
27
28     bIsActive = true;
29     LastEmissiveStrength = -1.0f;
30
31     EmissiveParamName = TEXT("Brightness");
32     MaxEmissiveIntensity = 5.0f;
33
```

100 % | Ln: 18 Ch: 44 Col: 47 TABS LF

Inspection Results - Code Issues in 'SurvivalGame'

Code Issues in 'SurvivalGame'

Group by: Issue Category and File

Type to search

- ▶ C++ UE4 Build Errors (1 item)
- ▶ Common Practices and Code Improvements (81 items)
- ▶ Constraints Violations (4 items)
- ▶ Potential Code Quality Issues (19 items)
- ▶ Redundancies in Code (8 items)





## A .NET performance profiler

Quickly finds performance bottlenecks so you can optimize your .NET applications. dotTrace provides great ways to visualize information to make profiling results easier to act upon.

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

The screenshot displays the dotTrace performance profiler interface. At the top, the application path is `C:\Program Files (x86)\IDE\devenv.exe`. Three filters are applied: `Selected 32,120 ms`, `.NET Memory Allocations`, and `Main Thread`. The CPU usage is **43,1%** and GC usage is **3,1%**. A timeline shows CPU usage, GC, UI freeze, and filtered intervals. A table lists threads, with the `Main` thread selected, showing **86 MB** memory usage. A call stack for a `UI Freeze` event at `00:35,3` is shown, with the top method being `.ctor` for `OptimizedPersistentSortedMap`2`. A list of methods and subsystems is also visible, including `ReCreateParts`, `InternalSubString`, `SplitInternal`, `ToString`, and `Initialize`. A call tree at the bottom shows the execution flow starting from `<BeginInvokeCore>b_0`.

ID	Name	MB	%
2416	Main	86 MB	

Method	Subsystem	MB	%
ReCreateParts	System.Uri	8,2 MB	9,5 %
InternalSubString	System.String	5,2 MB	6,1 %
SplitInternal	System.String	3,3 MB	3,8 %
ToString	System.Text.StringBuilder	3,0 MB	3,5 %
Initialize	System.Collections.Generic.Dictionary`2	2,4 MB	2,8 %





## A .NET unit test runner and code coverage tool

With dotCover, you always know to what extent your code is covered with unit tests. dotCover works right in Visual Studio and is Continuous Integration ready.

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

The screenshot displays the dotCover interface within Visual Studio. The top window shows a code editor with a tooltip indicating a 'Statement uncovered by tests' at line 63. The code includes a try-catch block for seeding a database. Below the code editor, the 'Unit Test Sessions' window shows a list of test sessions, with 'UnitTests (20 tests)' selected and marked as 'Success'. The 'Unit Test Coverage' window shows a tree view of code coverage, with a table of coverage percentages and uncovered/total counts for various symbols.

Symbol	Coverage (%)	Uncovered/Tot
src	16%	2473/2935
tests	95%	14/287
FunctionalTests	94%	8/127
Microsoft.eShopWeb.Fi	93%	4/54
CustomWebRazorPa	88%	4/32
ConfigureWebHc	88%	4/32
(IServiceColle	86%	4/29
own coverage	100%	0/3
HomePageOnGet	100%	0/11
OrderIndexOnGet	100%	0/11
Microsoft.eShopWeb.Fi	95%	4/73

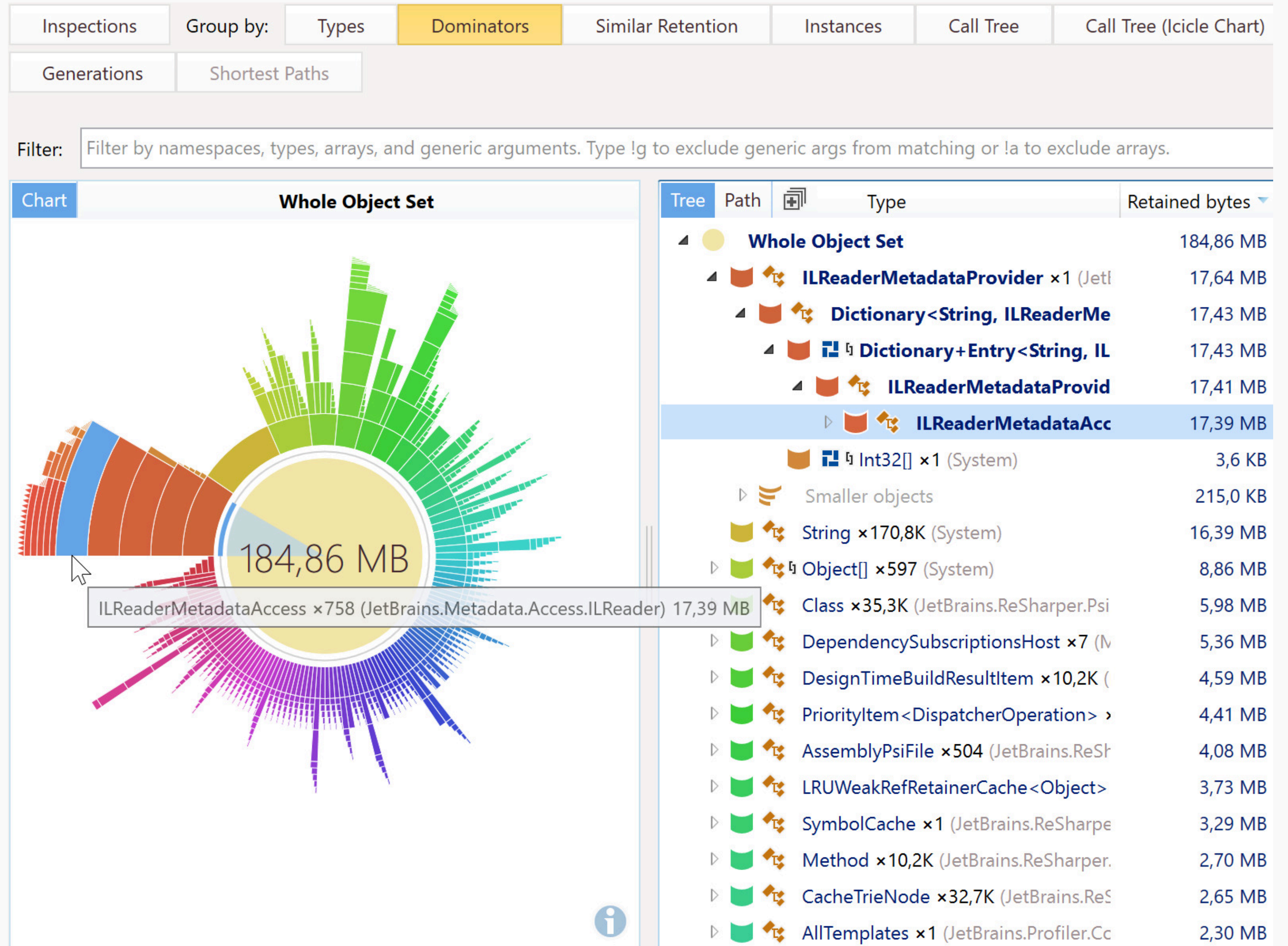


# DM dotMemory

## A .NET memory profiler

For optimizing memory usage in your .NET applications, detecting memory leaks, and combating all types of memory issues.

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



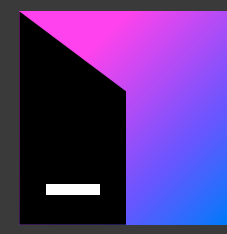






# Plugins & Solutions

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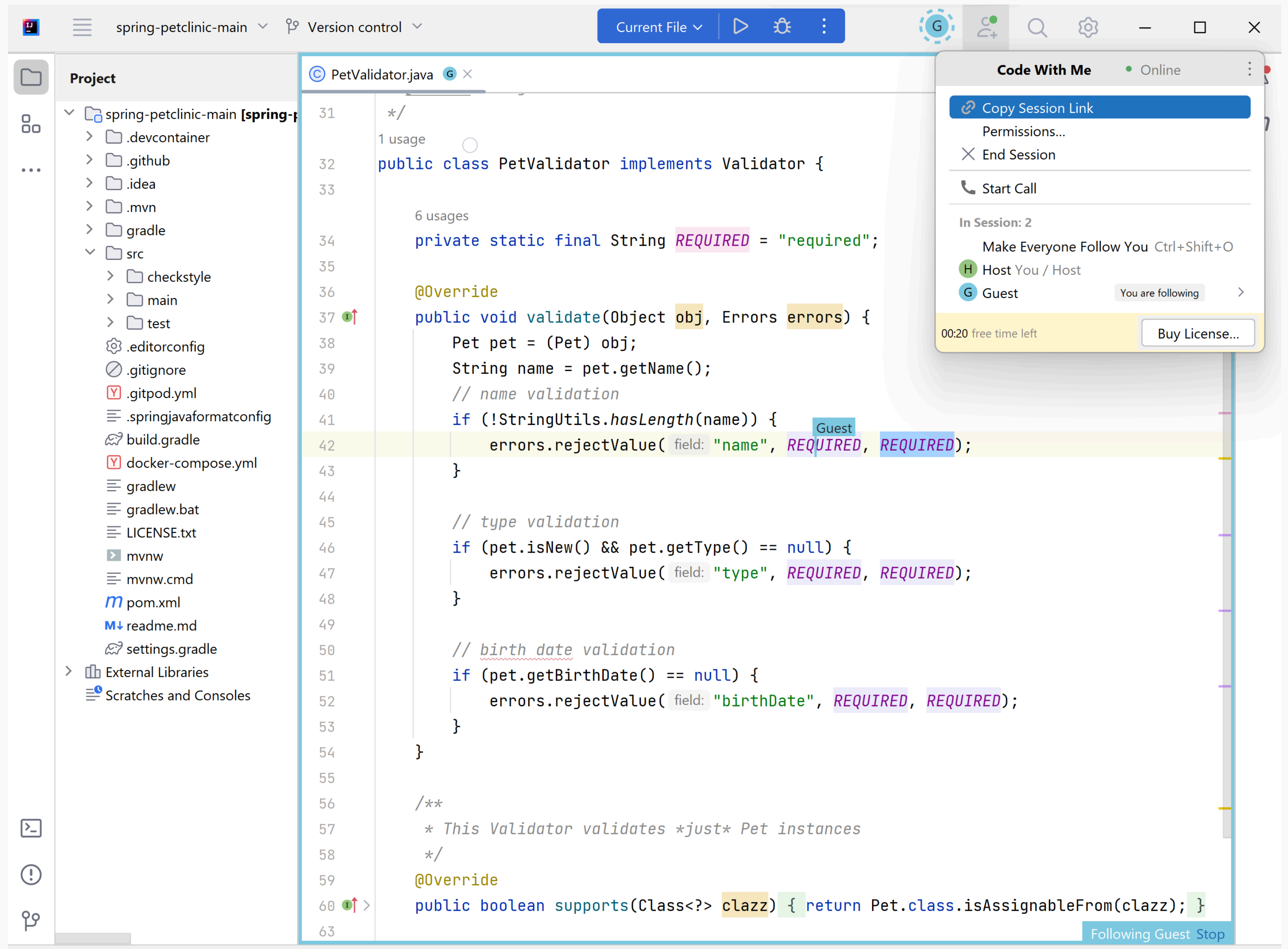


## Real-time online collaborative experience

Code With Me allows you to work remotely on a shared project with your teammates, with each member using their own screen and keyboard and taking full advantage of powerful JetBrains IDE features. You can explore code, edit it together, see changes appear in real-time, and connect via video calls.

For extra security and compliance, you can also install and run Code With Me on your private network. No traffic will ever be transferred externally.

Learn more at [jetbrains.com/code-with-me](https://jetbrains.com/code-with-me)



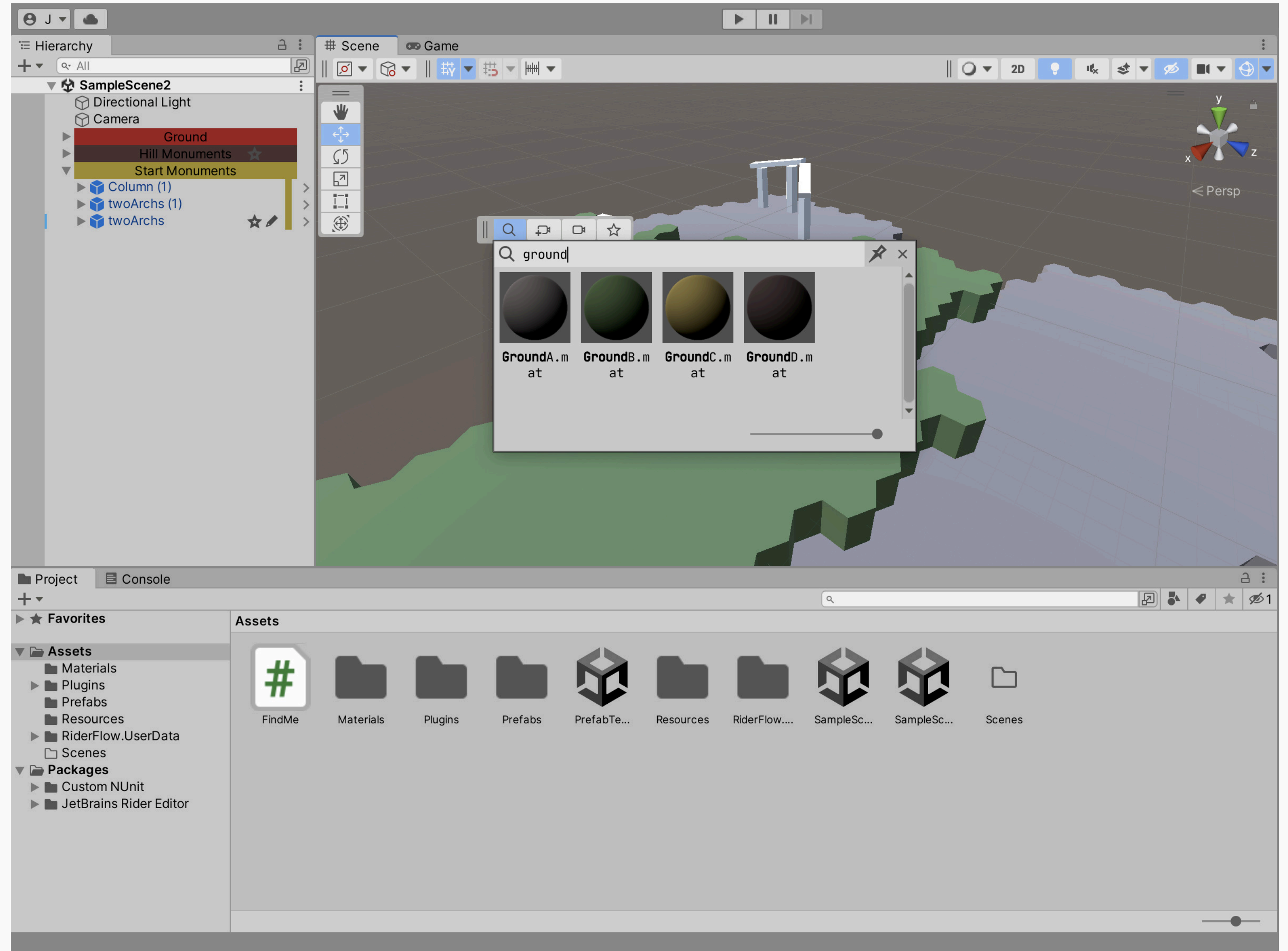


# RF RiderFlow

## Scenery tool to build and manage your 3D space

RiderFlow is a free plugin for the Unity Editor that helps you gain a deeper understanding of scenes. It introduces a number of features that work together to make you more productive in the editor – manage complex scenes, move around with ease, find the assets you need, replace placeholder objects and more. Good quality of life features designed to make you more productive in the Unity editor, spending less time hunting for objects or assets or resetting scene views, and more time understanding your scene and improving your game.

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

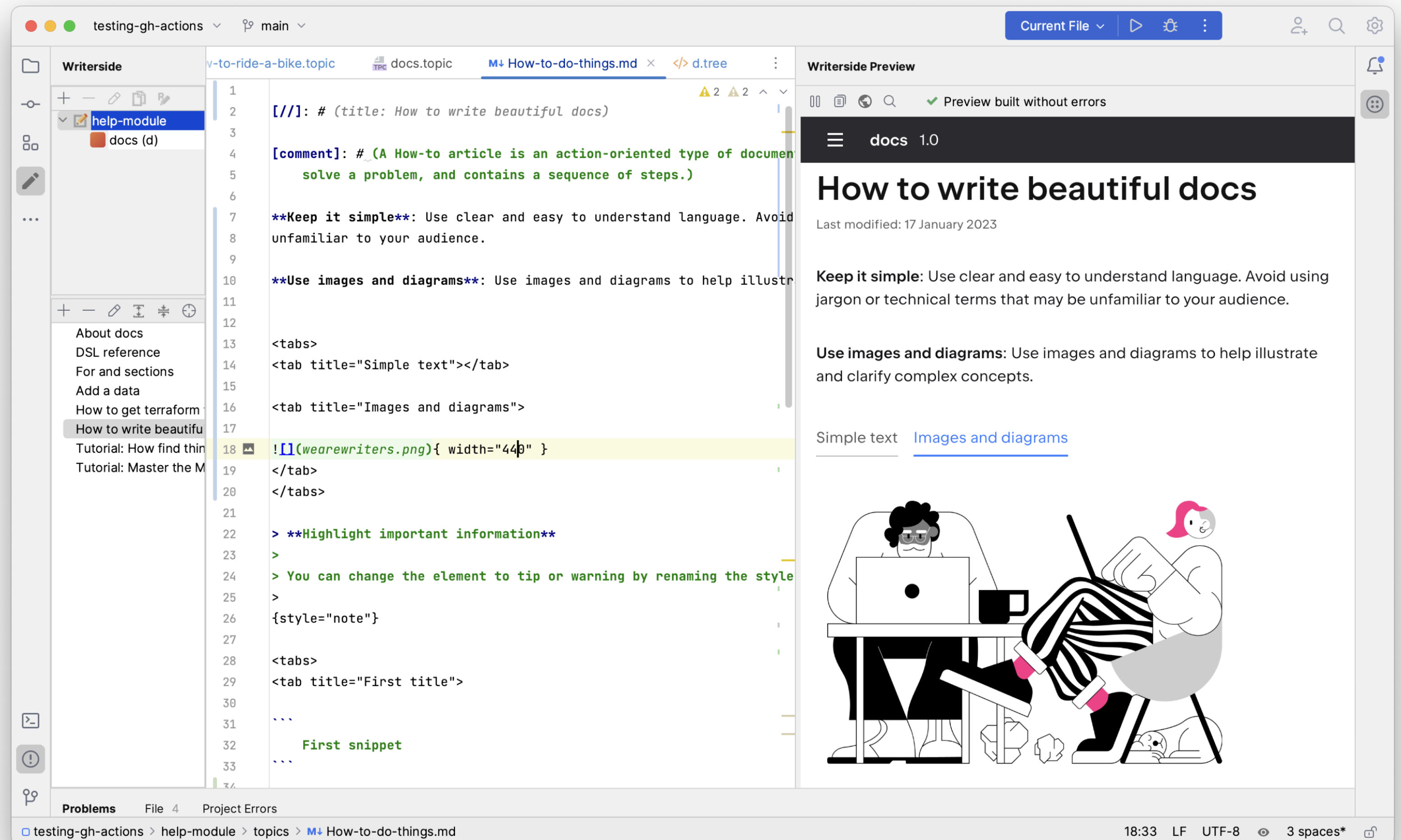


## Use the power of developer tools to create online documentation

Equip your technical writers with a new documentation authoring tool based on the same platform as JetBrains IDEs. Use Markdown, semantic markup, or a combination of both to create product docs, tutorials, API references, developer guides, and how-to articles. With Writerside, you can single-source and reuse content with filters and variables. The live preview feature shows docs in their final designs, so you can check them even before they are built and go into production.

Take part in the free Early Access Program.

[jb.gg/writerside](https://jb.gg/writerside)







# Efficient management of JetBrains licenses for growing teams and enterprises

License Vault efficiently distributes JetBrains IDE licenses for your entire organization and provides your team with the flexibility to scale as you grow. Your team members get the JetBrains IDEs and plugins they need without any delays, and you can manage the payments at a later date.

Learn more at [jetbrains.com/license-vault](https://jetbrains.com/license-vault)

JetBrains License Vault

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Admin

JetBrains Products <sup>503</sup> 3rd-Party Plugins <sup>64</sup> Users

### 503 Licenses <sup>Reload</sup>

202 Used

Product	License type	Added licenses	Used licenses	Usage ratio	Allocation for last 60 days
All Products Pack	All	205	55	27%	
	Regular	54	18	33%	
	Virtual	151	37	25%	
IntelliJ IDEA	All	198	97	49%	
	Regular	147	80	54%	
	True-Up	17	17	100%	
Virtual	44	0	0%		
PhpStorm	All	100	50	50%	

176 licenses 13 Jan

My Licenses

Build #123456789



# Manage IntelliJ-based IDEs at scale

ToolBox Enterprise is a centralized way to provide IntelliJ-based IDEs to your developers securely and consistently. Make sure that only approved IDE builds make it to your developers' machines, propagate global IDE settings, and hand pick and distribute approved plugins, including non-public ones. Toolbox Enterprise also allows you to collect anonymous analytics to discover and eliminate productivity roadblocks.

Learn more at  
[jetbrains.com/toolbox-enterprise](https://jetbrains.com/toolbox-enterprise)

The screenshot shows the Toolbox Enterprise configuration interface for the 'A-team' profile. The top navigation bar includes 'Configuration', 'Profiles', 'Users', 'Plugins', 'Analytics', and 'Help'. The user 'Jonny Bruch' is logged in. The main content area is divided into three columns: Applications, Settings, and Plugins.

- Applications:** A list of IDEs with their versions and a plus sign to add more. The list includes: AppCode (Excluding 222\*, 221\*), Aqua (All versions), CLion (All versions), DataGrip (All versions), DataLore (All versions), GoLand (All versions), IntelliJ IDEA Ultimate (All versions), PhpStorm (All versions), PyCharm (All versions), DataSpell (All versions), IntelliJ IDEA Ultimate (All versions), PhpStorm (All versions), and PyCharm (All versions).
- Settings:** A list of settings for different IDEs. Under 'VM OPTIONS', there are settings for Aqua (IDEA\_VM\_OPTIONS), IntelliJ IDEA Ultimate (IDEA\_VM\_OPTIONS), and PhpStorm (IDEA\_VM\_OPTIONS). Under 'IDE SETTINGS', there are settings for Aqua and DataGrip (Reformat code before commit, Disable auto import), IntelliJ IDEA Ultimate (Enable memory indicator all), and ReSharper (Do not confirm IDE exit).
- Plugins:** A list of plugins. Under 'AUTO-INSTALL PLUGINS', there are settings for all (Scala org.intelliij.scala) and PhpStorm (Symfony Support fr.adrienbrault.idea.symfony2plugin). Under 'DISABLE PLUGINS', there is a setting for Aqua (.ignore mobi.hsz.idea.gitignore).

At the bottom of the page, there is a footer with the following text: 'Toolbox Enterprise 1.0.2438 by JetBrains', 'Copyright © 2021–2022 JetBrains', and 'Third-Party Licenses Feedback'.



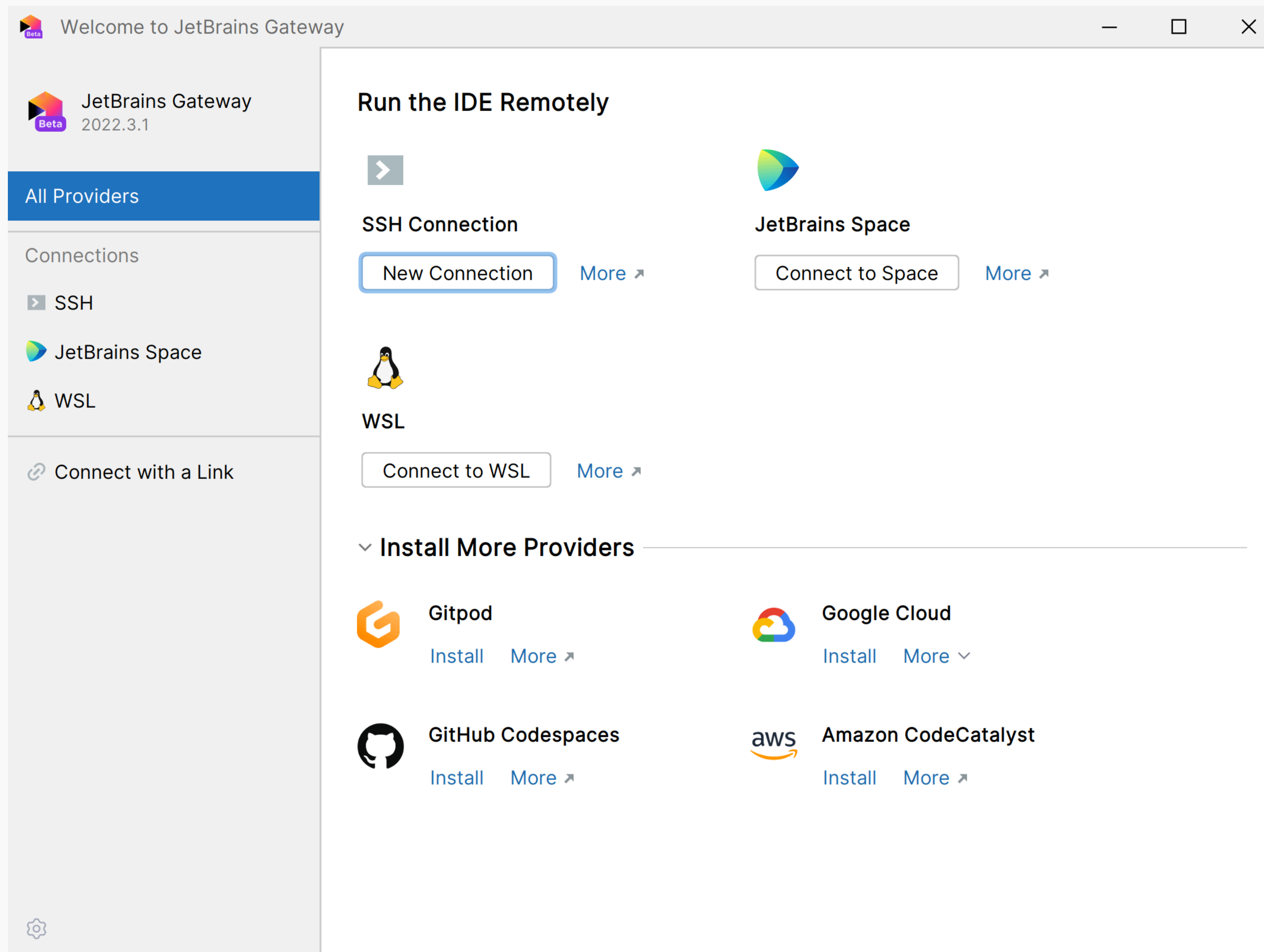


# The ultimate coding experience for a remote world

Remote development splits your JetBrains IDE into 2 components: the IDE backend on a remote server and the local client. You interact with a responsive local thin client, while a powerful remote server handles the heavy processing.

This solution preserves the familiar feel of your JetBrains IDE, allows you to tap into the resources of a powerful remote server, and keeps your source code securely stored behind corporate firewalls.

Learn more at [jetbrains.com/remote-development](https://jetbrains.com/remote-development)



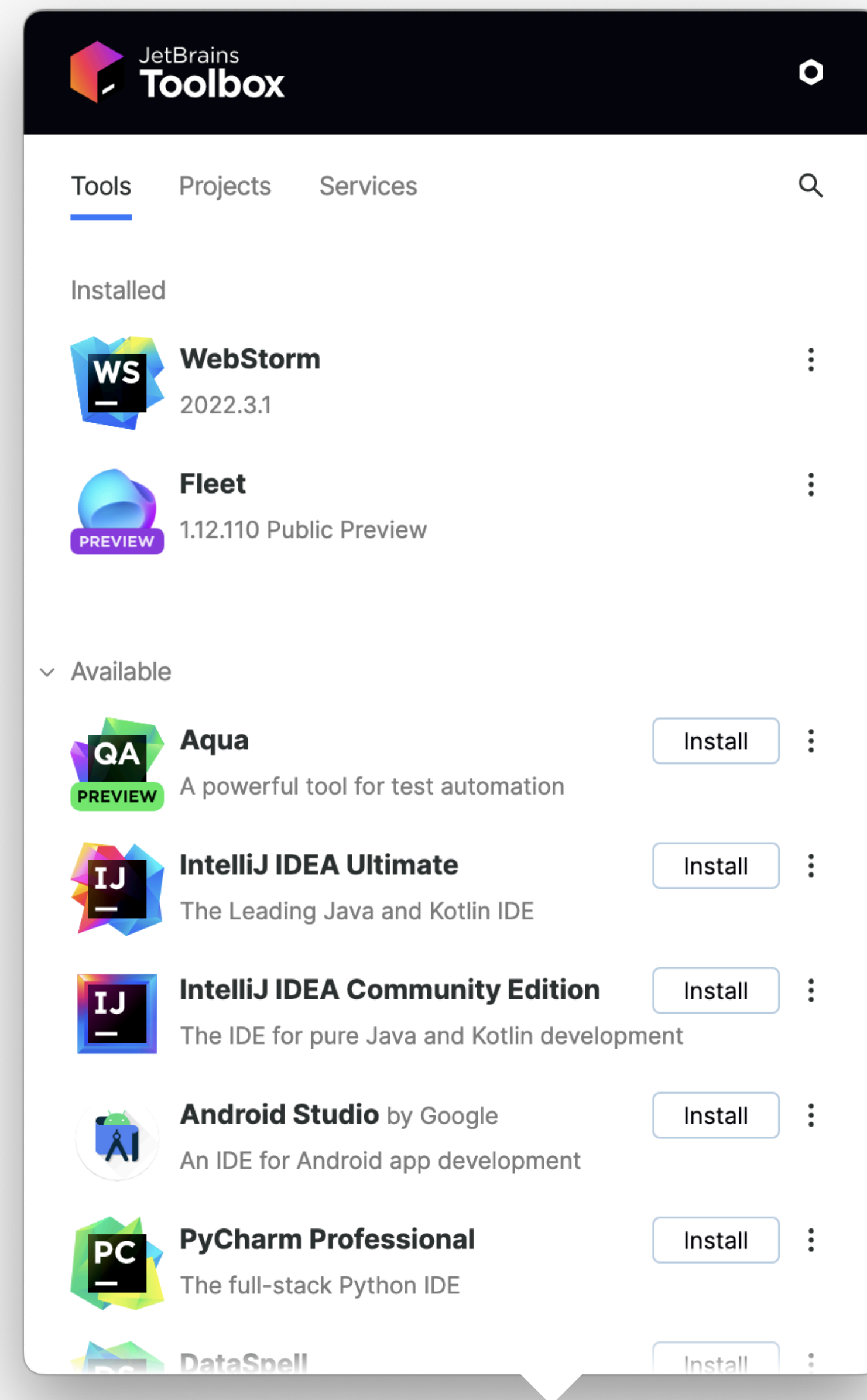


# A free app for managing JetBrains tools and projects the smart way

Toolbox App is a tiny application that provides effortless access to the developers' tools and projects across all JetBrains IDEs.

It simplifies installations, updates, and rollbacks to previous versions. An autoupdate option is also available for each installed IDE.

Learn more at  
[jetbrains.com/toolbox-app](https://jetbrains.com/toolbox-app)





# Team Tools

---





# A complete software development platform

Space covers the entire software development pipeline, from hosting Git repositories, automating CI/CD, publishing packages, and orchestrating cloud dev environments to managing issues, documents, and chats – all in one place.

Thanks to first-class integration with IntelliJ-based IDEs, you can perform advanced Space code reviews, clone your Git repositories hosted in Space, and track the progress of your automation jobs in your IDE.

Learn more and sign up for free [jetbrains.com/space](https://jetbrains.com/space)

The screenshot displays the Space code review interface for a pull request titled "TRNS-T-1 Update notebook documentation". The interface is divided into several sections:

- Timeline:** Shows the message history for the channel, including a comment from Heather Stewart at 13:11 with an "Unresolved" status. A red circle with the number "1" highlights the start of the message history.
- Code Diff:** Displays the changes in the file "examples.ipynb". A red circle with the number "2" highlights the diff content, which includes a typo correction from "crate" to "create".
- Reviewers:** Shows the list of reviewers, including Heather Stewart, who has "Accepted the changes". A red circle with the number "3" highlights the reviewer list.
- Author:** Shows the author of the pull request, Maarten Clymer.
- Dev environments:** Shows the development environment used for the pull request, "mc-fa611". A red circle with the number "4" highlights the dev environment section.
- Linked issues:** Shows the linked issue, "TRNS-T-3 | Review initial code ba". A red circle with the number "5" highlights the linked issues section.
- Automated checks:** Shows the results of automated checks, including "Build" and "Run tests". A red circle with the number "6" highlights the automated checks section.

1. Discuss code changes and add comments and reactions to code in code review chats.
2. Set up quality gates to ensure only code that meets your standards code gets merged.
3. Invite team members to review your code.
4. Collaborate remotely in cloud dev environments.
5. Link commits to issues and track changes.
6. Run automated checks to protect branches from unwanted changes.





## Powerful CI and CD out of the box

This Continuous Integration and Deployment server provides out-of-the-box test intelligence, real-time reporting on build problems, and unmatched scalability. Install and deploy TeamCity and start building your DevOps pipelines in minutes.

Available both as an on-premises and a cloud-based version.

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

The screenshot displays the TeamCity web interface for a build. At the top, navigation links include Projects, Changes, Agents (1047), Build Queue (1974), Architect, and Administration. The breadcrumb trail shows: Matrix / Trunk / Integration Tests / Plugins Integration Tests / Perfmon / All Perfmon Integration Tests. The build status is **#3243 at 28 Nov 02:03** with a success icon. Below this, it states "Tests passed: 1095, ignored: 117; Build chain finished (success: 13)". A small bar chart shows build activity for 20 Nov. The main navigation bar includes Overview, Changes: 6, Tests, Build Log, **Dependencies**, and More. Below this are tabs for Timeline, List, and Chain. A section titled "Select builds to view details" contains a dependency graph. The graph shows a central node "BuildDist Core" which is a dependency for several other nodes: "Matrix React UI Build", "Win32-tfs", "Win32-VSS", "Win32-Registry", "dotnet-listeners", and "Win32-PS". "BuildDist Core" also depends on "Prepare Maven Artifacts". "Prepare Maven Artifacts" is a dependency for "Perfmon Integration... eBSD)", "Perfmon Integration T... aris)", "Perfmon Integration ... c OS)", "Perfmon Integration ... inux)", and "Perfmon Integration ...dows)". Finally, all these Perfmon integration nodes depend on the final node "All Perfmon Integrati... Tests". All nodes in the graph have a green checkmark icon, indicating successful completion.





# Powerful project management for all of your teams

YouTrack is a project management tool designed to bring diverse teams and departments together in a single collaborative environment. It is trusted by a quickly growing customer base of more than 90,000 technical and non-technical teams in a wide range of industries all over the world.

YouTrack comes packed with features like Agile boards, comprehensive reporting including timesheets and Gantt charts, powerful automation, a wiki-style knowledge base for managing your documentation, migration and import wizards, integrations with popular third-party tools, and much more. Cloud or server – YouTrack your way!

Learn more and get YouTrack for free for teams of up to ten members at [jetbrains.com/youtrack](https://jetbrains.com/youtrack)

The screenshot displays the YouTrack interface for a project titled "Landing page release planning". The top navigation bar includes "Issues", "Dashboards", "Agile Boards", "Reports", "Projects", "Knowledge Base", "Timesheets", and "More". A "New Chart" button is visible on the right. The project details show a start date of 24 Jan 2022, an end date of 16 Feb 2022, and a duration of 3w 3d. A "Recalculate" button and view options for "Day", "Week", and "Month" are present. The main area is split into two views: a table on the left and a Gantt chart on the right.

Issue summary	Estimation	Start date
DEV-95 Prepare content	1w 4d	24 Jan 2022
DEV-94 Write texts	4d	24 Jan 2022
DEV-105 Localize text	2d	28 Jan 2022
DEV-96 Proofread texts	2d	2 Feb 2022
DEV-97 Prepare design	1w 2d	24 Jan 2022
DEV-98 Prepare Figma draft	4d	24 Jan 2022
DEV-99 Get graphics ready	3d	28 Jan 2022
DEV-100 Test designs	3d	28 Jan 2022
DEV-101 Page creation	2w 1d	2 Feb 2022
DEV-102 Get the page ready	4d	2 Feb 2022
DEV-103 Deploy on staging	4d	8 Feb 2022
DEV-104 Release on produc...	3d	12 Feb 2022

The Gantt chart visualizes these tasks as horizontal bars across a timeline from 24-29 January to 5 February. Tasks are color-coded: DEV-95 (blue), DEV-94 (green), DEV-105 (orange), DEV-97 (blue), DEV-98 (blue), DEV-99 (green), DEV-100 (green), DEV-101 (blue), and DEV-102 (blue). Dependencies are shown with arrows connecting the end of one task to the start of another.

At the bottom of the interface, there is a footer with the text: "YouTrack — powerful project management for all your teams by JetBrains", "Copyright © 2009–2022 JetBrains s.r.o.", and "Support · Help · Feedback".





# Collaborative data science and data exploration for teams

Boost the performance of your core data teams by bringing real-time collaboration, a first-class coding experience, and no-code automation to Jupyter notebooks. Enable easy conversation with business stakeholders through the sharing of interactive data apps.

Start online for free or install on-premises for your team.

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

The screenshot displays the Datalore web interface. The top navigation bar includes 'File', 'Tools', 'Kernel', 'View', 'Code', 'Run', and 'Help'. The main content area is split into two panels. On the left is the 'Computation' panel, which shows the current machine configuration: 'Large machine' (Running), 'Free RAM 13109 Mb', and 'CPU 7%'. It also includes a 'Schedule runs' section with a toggle for 'Scheduling is on' and a 'Cells' section with 'Run all', 'Run selected', and 'Clear outputs' buttons. The right panel is titled 'Overview of price distribution' and contains a Jupyter notebook cell. The cell code includes a slider for 'SelectedTotal' (set to 200) and a pie chart visualization titled 'Total order contribution'. The pie chart shows three segments: 33.7% (red), 31.4% (green), and 31.4% (blue). A dropdown menu is open over the pie chart, listing various themes like 'theme\_classic', 'theme\_grey', and 'theme\_minimal'. The bottom status bar shows 'Reactive mode', 'Python 3.8.12', 'Calculated: 12', 'In process: 0', 'Errors: 0', 'Idle', 'Machine: r5.large', 'CPU: 7%', 'FreeMem: 13109MB', and '8C'.





# The YouTrack and TeamCity connector

Hub is a user and permission management tool that serves as a single entry point for YouTrack and TeamCity. It enables advanced integration and provides a dashboard for displaying relevant information across these team tools.

Hub is a free, standalone solution that can also be embedded within other JetBrains team tools.

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

The screenshot shows the Hub Dashboard interface. At the top, there's a navigation bar with 'Dashboards | Administration' and a search icon. Below that, a dark header contains the Hub logo, 'Dashboards' and 'Projects' tabs, and a user profile icon. The main content area is titled 'Hub Dashboard' and includes a 'YouTrack dashboard' breadcrumb. The dashboard is composed of several widgets:

- Issues by Subsystem in...:** A horizontal bar chart showing the distribution of 834 total issues across various subsystems. The data is as follows:

Subsystem	Percentage
You...	9%
Jet...	8%
Mar...	8%
Inte...	8%
.NE...	7%
Rub...	6%
Loc...	6%
Con...	5%
Em...	5%
Spa...	5%
Kotl...	4%
Php...	4%
Jet...	3%
Tea...	3%
Inte...	2%
- Upsource: Commits for...:** A list of recent commits with details like 'Web-tests: reduce thread co...', 'do check mute for every even...', 'Merge branch 'develop' into f...', 'fixed test - saving of thread a...', and 'introduced systemTimeServic...'. A 'finally did it' comment is also visible.
- Status: Hub :: develop<sup>2</sup>:** A list of build tasks with their status and duration, such as 'Build Back-End + Front-End' (Success 5m:42s), 'Build Distributives' (Success 13m:48s), 'Build Docker Image' (Success 7m:30s), and 'Build Front-End' (Tests passed: 563, ignored: 8 10m:11s).
- #{YouTrack} #Unresolv...:** A list of unresolved issues, including 'JT-6234 Integration YouTrack with Visual studio, especially with VSTS work items', 'JT-33026 Searching for all subtree-issues of a specific issue', 'JT-5510 Have option to have more columns in the one-line & tree view', and 'JT-25147 Support Story Points Based Estimation/Velocity/Capacity'.
- To-do for today:** A list of tasks: 'Meeting with Alex', 'workflow suggestion for CY project', and 'Hub Projects demo follow up'.
- To be rescheduled for the next week:** A list of tasks: 'Leo's document', 'feedback form', and 'travel plan updates'.
- Countdown Widget:** A widget showing the time remaining until work from home ends: 135 Days, 18 Hours, 30 Minutes, and 46 Seconds.
- Board YouTrack Marketing: Current sprint (D...):** A bar chart showing the status of tasks: Open, Sub..., In progress, In Review, ..., and Implemente....





# The code quality platform for your favorite CI

The Qodana static analysis engine enriches CI/CD pipelines with all of the smart features from JetBrains IDEs. The platform provides an overview of project quality and lets you set quality targets, track progress, and automate routine tasks like code reviews and license audit. Qodana supports 60+ languages and technologies including Java, JavaScript, Kotlin, PHP, .NET, Python, and Go.

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

Hosted Root / Qodana for PHP / PHPUnit

✓ #447 at 16 Jan 14:46  
Problems reported: 51; tools: Code Inspection, License Audit

Actions ▾ Details ▾

Overview Changes Build Log Artifacts **Qodana**

ACTUAL PROBLEMS <b>51</b>	BASELINE <b>0</b>	CHECKS <b>115</b> In 16 categories	PROJECT AUDIT <b>Passed</b> No suspicious licenses
------------------------------	----------------------	--	--

Files and folders: All ▾  
Tool: Code Inspection ▾ ×  
Severity: All ▾  
Category: All ▾  
Type: All ▾  
[Save as...](#)

**Problems** 51 Files 17 Search Group by: File ▾ 51 problems selected [Move to baseline](#)

Problems	Category	Type
<input checked="" type="checkbox"/> <b>MockMethod.php</b>		
<input checked="" type="checkbox"/> ✖ 'ReflectionIntersectionType' is available starting with 8.1 PHP version	General	Element is not available in configured PHP version
<a href="#">src/Framework/MockObject/MockMethod.php</a>		

# Languages & Frameworks

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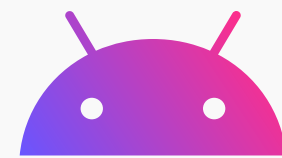
# Kotlin

## Modern, concise, and safe programming language

Targeting Server, Android, Web, and Native platforms.

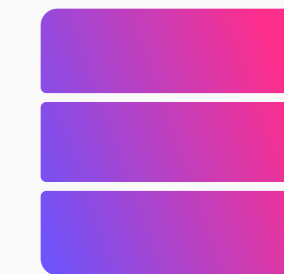
Providing many ways to reuse code between platforms for productive programming.

Learn more at [kotlinlang.org](https://kotlinlang.org)



## Android

Recommended by Google for building Android apps



## Server-side

Modern development experience with familiar JVM technology



## Multiplatform Mobile

The natural way to share code between mobile platforms



## Web Frontend

Extend your projects to web

Also supports: [Data Science](#)



## Usage

**5.3M+** developers around the world worked with Kotlin code in 2021, compared with 4.6M+ in 2020.

### Android

Since 2019, Android has been Kotlin-first. 70%+ of the top 1000 apps use Kotlin.

### Server

The number of server-side Kotlin developers increased by 40% in 2021.

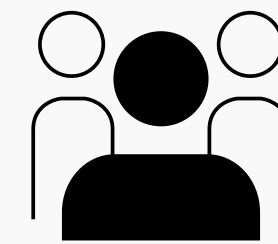
### Multiplatform Mobile

70% of Kotlin Multiplatform developers use it in their production projects or in a project they're planning to release in the near future.

### Web

1 in 3 Kotlin Multiplatform developers have Web targets in their multiplatform projects.

You can find more Kotlin stats in the [Kotlin Census 2020](#) and [Kotlin Multiplatform Survey 2021](#)



## Community

**400+** Contributors to Kotlin Git Repos

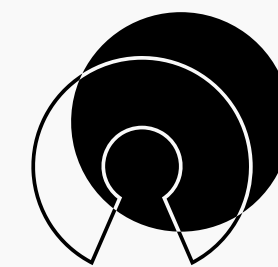
**40K+** Kotlin Slack members

**120K+** Twitter followers

**58K+** Reddit page members

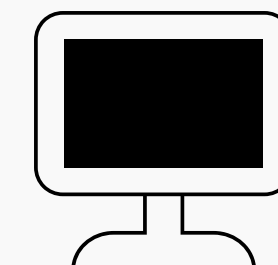
**200+** User groups

**200+** Top universities have Kotlin in their courses



## Open-Source

**600K+** Kotlin Github repositories



## Learn Kotlin

Books, Kotlin Playground, education tools, online courses.

Learn more about Kotlin at [kotlinlang.org](https://kotlinlang.org)



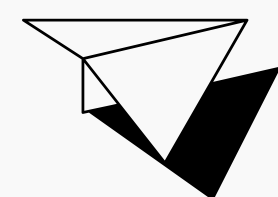


```
fun main() {
    embeddedServer(Netty, port = 8000) {
        routing {
            get("/") {
                call.respondText("Hello, world!")
            }
        }
    }.start(wait = true)
}
```

## An asynchronous open source framework for creating microservices and web applications, and more.

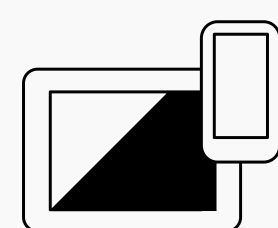
Ktor is a multiplatform framework built from the ground up using Kotlin and coroutines, and it can be used to create connected applications. Whether you're creating websites, HTTP backends, RESTful systems, or even socket applications, Ktor provides you with everything you need.

Learn more at [ktor.io](https://ktor.io)



### Lightweight

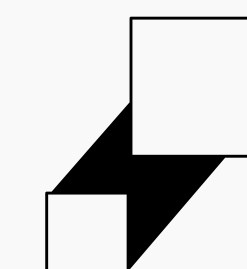
Use what you need. Ktor allows you to transparently configure only the functionality your project requires. No magic involved!



### Extensible

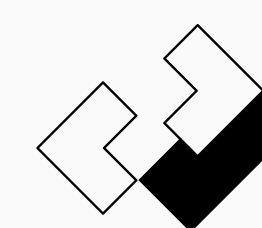
Extend what you need. With a configurable pipeline, you can create the extensions you need and place them anywhere you want.

# Simple and fun



### Multiplatform

Run it where you need it. Built from the ground up with [Kotlin Multiplatform](#) technology, you can deploy Ktor applications anywhere.



### Asynchronous

Scales as you need it. Using Kotlin [coroutines](#), Ktor is truly asynchronous and highly scalable. Use the power of non-blocking development without the callback nightmare.



# Declarative multiplatform UI framework for Kotlin

Compose Multiplatform is a declarative multiplatform UI framework for Kotlin that makes UI development a joy. It supports desktop, web, and Android (via interop with Jetpack Compose). It achieves high-performance and hardware-rendering support by leveraging the powerful native Skia library. It shares core APIs with the Jetpack Compose UI framework for Android, which greatly simplifies adoption for Android developers.

Learn more at [jetbrains.com/lp/compose-mpp](https://jetbrains.com/lp/compose-mpp)

The image shows a screenshot of an IDE with a Kotlin file named 'main.kt'. The code defines a main function that creates an application window titled 'Compose Multiplatform Demo'. Inside the window, there is a Column with padding, containing a Text widget, a Text widget with uppercase text, a Text widget with reversed text, a Text widget with text joined by spaces, and an OutlinedTextField widget. Below the code, a preview window titled 'Compose Multiplatform Demo' displays the rendered UI. The preview shows four lines of text: 'Hello World!', 'HELLO WORLD!', '!dlroW olleH', and 'Hello World!'. Below the text is an outlined text field containing 'Hello World!' with a cursor at the end.





## Create your own domain-specific language

Escape from the limits of textual notation and use our unique technology of projectional editing to create diagrams, forms, and use math notation. Express your domain processes and knowledge in a language that directly uses the concepts and logic from your field.

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

The screenshot displays the MPS IDE interface with three panels. The top-left panel shows the code for two components: `kernel subsystem` and `typesystemEngine subsystem`. The top-right panel shows a diagram of these components and their dependencies. The bottom panel shows a dependency table.

```
<< ... >>
}
component kernel subsystem <<module>> {
  input ports:
  << ... >>
  output ports:
    smodel
    openapi
    Tuples-runtime
    Closures-runtime
    collections-runtime
    typesystemEngine
  dependencies:
    depends on smodel
    depends on collections-runtime
    depends on typesystemEngine
}
component typesystemEngine subsystem <<module>> {
  input ports:
    kernel
  output ports:
    collections-runtime
  dependencies:
    depends on collections-runtime
}
```

The diagram shows the following components and their dependencies:

- `<<API>> openapi` depends on `<<module>> smodel`.
- `<<runtime>> collections-runtime` depends on `<<module>> smodel` and `<<module>> typesystemEngine`.
- `<<module>> smodel` depends on `<<module>> kernel`.
- `<<module>> typesystemEngine` depends on `<<module>> kernel`.
- `<<module>> kernel` depends on `<<module>> collections-runtime`.

	openapi	Tuples-runtime	Closures-runtime	smodel	collections-runtime	typesystemEngine
openapi						
Tuples-runtime						
Closures-runtime						
smodel	+					
collections-runtime						
kernel				+	+	+
typesystemEngine					+	

# JetBrains Academy

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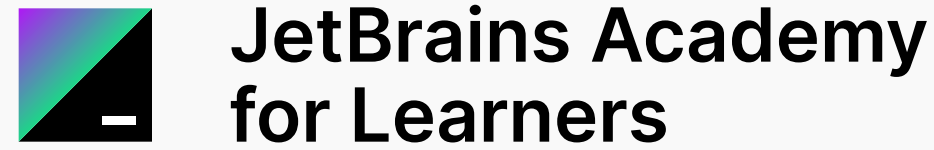
The place for learning and teaching  
computer science your way

For Learners

For Educators

For Teams





# Find your way into studying computer science

At JetBrains Academy, we offer various approaches to learning. Try real-world projects, guided interactive courses, programming contests, and gamified missions, and see what works best for you. Integration with JetBrains IDEs allows you to get experience with professional development tools, which is a must for developers.

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

**Track: Java for Beginners** ⏪

- ~ 26 hours.
- Graduate projects completed: **0**. At least one is required
- 27 / 106 (25%)** completed topics
- 19 / 103 (18%)** applied core topics (by completing project stages)

**Project: Simple Chatty Bot** ⏪

- Completed
- Stages completed: **5 / 5**
- [Keep learning](#)

Stage 2/5: Print your name  
Introduce yourself to the bot.

- 2 activities completed before [Expand](#)
- Comments** Completed  
Theory + Practice, completed about 1 year ago
- Coding style conventions** Skip Continue  
Theory + Practice, 8 minutes
- Naming variables** Completed  
Theory + Practice, completed about 1 year ago

34 seconds  
+ 5-10

Next problem in **11h 49m 43s**

**Repeat what you've learned**

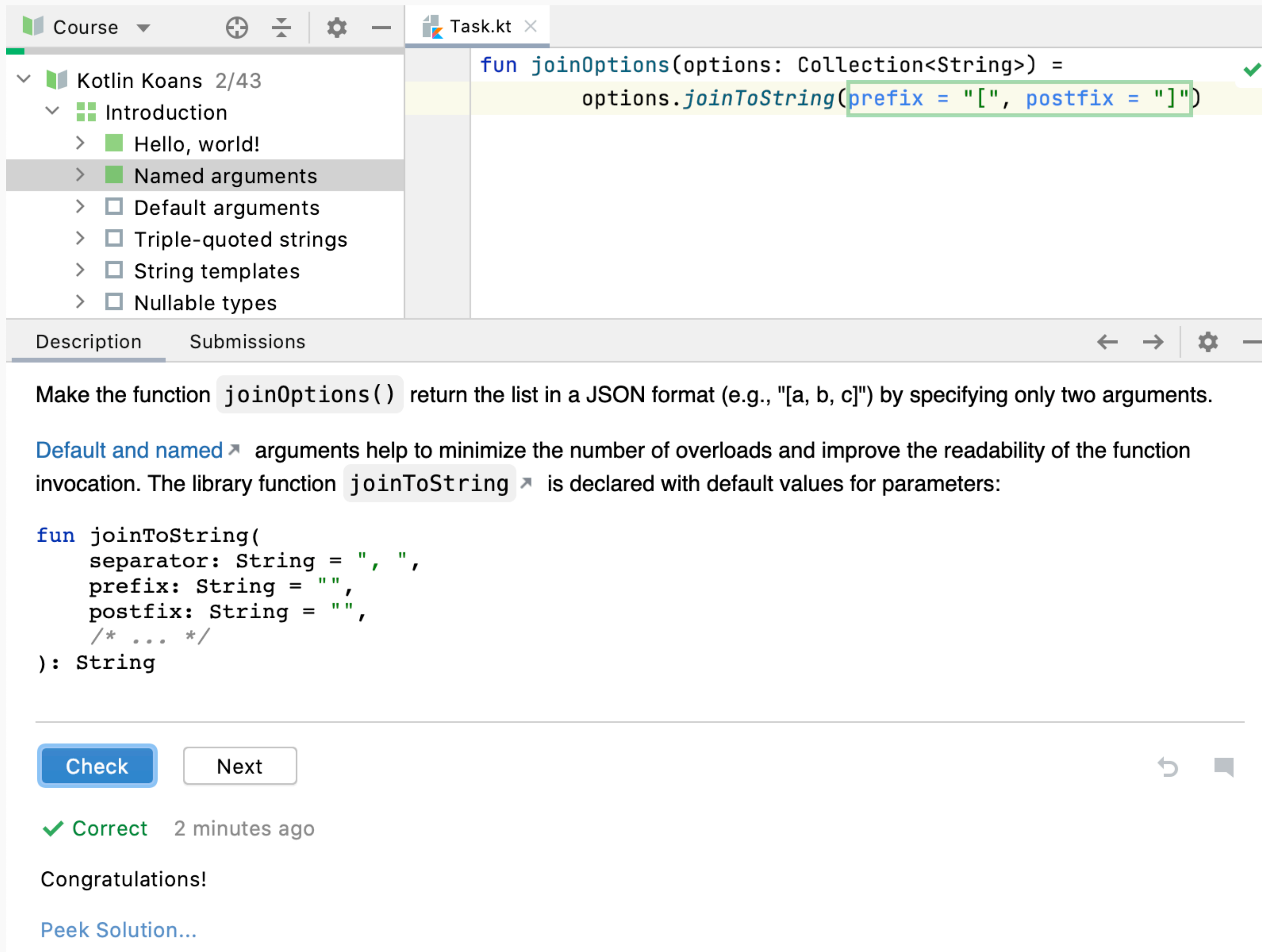
We recommend that you repeat 5 topics today.

[Repeat 5 topics](#)

# Teaching with JetBrains IDEs

Do you want to share your programming knowledge with others? Enable powerful educational functionality in your JetBrains IDE and help your students truly enjoy programming with interactive courses you create. Add lessons to your course, fill them with tasks, test user skills with various exercises, automate checks, and so much more.

Learn more at  
[jetbrains.com/pages/academy/teaching](https://jetbrains.com/pages/academy/teaching)



Course ▾ ⊕ ⊖ ⚙ - Task.kt ×

▼ Kotlin Koans 2/43  
▼ Introduction  
 > Hello, world!  
 > **Named arguments**  
 >  Default arguments  
 >  Triple-quoted strings  
 >  String templates  
 >  Nullable types

```
fun joinOptions(options: Collection<String>) =  
    options.joinToString(prefix = "[", postfix = "]")
```

Description Submissions ← → ⚙ -

Make the function `joinOptions()` return the list in a JSON format (e.g., "[a, b, c]") by specifying only two arguments.

[Default and named](#) arguments help to minimize the number of overloads and improve the readability of the function invocation. The library function `joinToString` is declared with default values for parameters:

```
fun joinToString(  
    separator: String = ", ",  
    prefix: String = "",  
    postfix: String = "",  
    /* ... */  
): String
```

↶ ↷

✓ **Correct** 2 minutes ago

Congratulations!

[Peek Solution...](#)





# High-quality learning experience in programming for your team

With JetBrains Academy's real-world projects, your team will gain relevant programming experience that could be applied in their work or studies. Empower your team to study programming from scratch, advance their existing skills, or keep up with constantly changing technologies. All with the ability to manage their learning process.

Learn more at [lp.jetbrains.com/academy/for-organizations](https://lp.jetbrains.com/academy/for-organizations)

### Organization profile Edit

Name: ? My Organization

Domain: ? -

**Seats:** 6 / 10

To invite a new member copy the link and send it them:

Copy link

### Members and their subscription status

Member	Role	Email	Subscription	Start date	
User name	Member	long.username@example.com	Active	December 10, 2021	×
User name	Member	long.username@example.com	Active	December 10, 2021	×
User name	Member	long.username@example.com	Active	December 10, 2021	×
User name	Member	long.username@example.com	Active	December 10, 2021	×
User name (You)	Owner	long.username@example.com	Active	December 10, 2021	
User name	Member	long.username@example.com	Pending Unverified email	December 10, 2021	
User name	Member	long.username@example.com	Pending Unverified email	December 10, 2021	

### Members' activity

Member	Problems	Topics	Projects	Tracks	Last activity
User name	4	1	1	0	about 2 months ago
User name	21	34	2	1	3 months ago
User name	4	1	1	0	about 2 months ago

### Total stats

The total number of problems solved, topics learned, and projects and tracks completed by the organization members.

5474 problems

# Thank you

---