

# PyCharm 193.4778.18 Release Notes

No subsystem	Feature	<a href="#">PY-37497</a>	Variables View cleanup
Code Insight	Feature	<a href="#">PY-36008</a>	Support PEP 589 - TypedDict: Type Hints for Dictionaries with a Fixed Set of Keys
	Feature	<a href="#">PY-33254</a>	File paths completion in Python string literals for Python files and Python console
	Bug	<a href="#">PY-38557</a>	Do not provide a path completion for "open" second argument
Debugger	Feature	<a href="#">PY-8118</a>	Hex display option for variables in Debugger
Inspections	Bug	<a href="#">PY-33651</a>	Incorrect inferred type when slicing a tuple
	Task	<a href="#">PY-35961</a>	Properly consider that return and yield statements in Python 3.8 can contain variable unpacking
Jupyter Notebook	Feature	<a href="#">PY-33480</a>	Support completion with runtime information
	Bug	<a href="#">PY-37958</a>	"Register project interpreter as kernel" registers different interpreters with the same kernel name based on project data
	Bug	<a href="#">PY-38388</a>	Interaction with widget freezes the whole preview if Jupyter server is stopped
	Bug	<a href="#">PY-30272</a>	External changes should update Jupyter notebook source code representation
	Bug	<a href="#">PY-38137</a>	Clear Outputs in a Jupyter notebook doesn't set execution_count to null
	Usability	<a href="#">PY-37773</a>	Newly created Markdown cell has a wrong caret position
	Cosmetics	<a href="#">PY-38135</a>	Font of titles/descriptions of widgets in Darcula scheme doesn't look consistent with other fonts
	Exception	<a href="#">PY-34192</a>	Assertion fails if an error occurs during "Register project interpreter as kernel" quickfix
	Exception	<a href="#">PY-38258</a>	FileTooBigException is raised when user tries to read big file via `read_csv`
Run	Bug	<a href="#">PY-38634</a>	`Use SDK of module` is in options of run configuration in PyCharm
WSL	Feature	<a href="#">PY-36563</a>	Support WSL 2
Build. Built-in (JPS)	Feature	<a href="#">IDEA-53161</a>	Cannot hide compiler info messages
Build. Gradle	Bug	<a href="#">IDEA-224160</a>	Use Gradle from: Specified location doesn't work at all
	Bug	<a href="#">IDEA-221699</a>	Serious regression with transitive dependencies in Gradle project
	Bug	<a href="#">IDEA-210603</a>	Errors when synchronizing a project with gradle with custom test sourceSets, if annotationProcessor is used (using lombok as an example)
	Performance	<a href="#">IDEA-224835</a>	Gradle import is <b>**slower**</b> in 2019.3 EAP
	Performance	<a href="#">IDEA-160489</a>	Startup performance problem - 1 minute waiting
	Performance	<a href="#">IDEA-225007</a>	Leaking threads: 1500 threads after running Gradle project import
	Performance	<a href="#">IDEA-183944</a>	IDE hangs when refreshing Gradle projects
	Usability	<a href="#">IDEA-223833</a>	Run anything confused by `gradlew`
Build. Maven	Bug	<a href="#">IDEA-174515</a>	IntelliJ's Maven plugin can't download sources for snapshot dependencies
	Bug	<a href="#">IDEA-223667</a>	91 maven background processes running simultaneously
	Cosmetics	<a href="#">IDEA-135179</a>	Import project dialog is not resizable (buttons not visible)
	Exception	<a href="#">IDEA-224662</a>	Throwable at com.intellij.openapi.application.impl.ApplicationImpl.assertReadAccessAllowed
Code Analysis. Inspection	Bug	<a href="#">IDEA-224533</a>	Inspections from command line fail with "TFBlockNameValidness descriptionUrl==TFBlockNameValidness "

Code Analysis. Language Injection	Bug	IDEA-223046	Strange highlighting in injected HTML text block
Core. File System	Feature	IDEA-224971	fsnotifier: support osxfs mounts
Core. IDE Settings. Sharing	Usability	IDEA-208370	"Invalid credentials. Click to authorize" tooltip should make it clear which credentials exactly are invalid
Core. Indexing	Exception	IDEA-224749	Possible `IndexNotReadyException` when adding package-info.java
Core. Installation	Bug	IDEA-224371	Allow to use custom size for splash image in launcher.
	Bug	IDEA-223576	Impossible to update Pycharm 2019.1
	Bug	IDEA-215497	jbr/bin/java Access Denied during update from IC-192.4205.45 to IC-192.4488.21
	Task	IDEA-224889	Please add release/eap/nightly flag to product-info.json
Core. Platform API	Feature	IDEA-219946	API to determine a command-line, which started current IDEA
Core. Plugin Management	Bug	IDEA-224408	No label on enable/disable theme plugin after clicking on Apply
	Bug	IDEA-224401	"Updatable" plugin is duplicated in plugins list until restart
	Bug	IDEA-224881	Color scheme is available upon IDEA restart after uninstalling theme plugin
	Bug	IDEA-224220	Theme is partially changed after uninstalling plugin
	Exception	IDEA-224650	NPE at com.intellij.ide.plugins.newui.MyPluginModel.addProgress
	Exception	IDEA-224976	Exception in dynamic plugin loader on installing a theme plugin after first IDE start
	Exception	IDEA-224649	Throwable at com.intellij.ide.plugins.newui.MyPluginModel.applyEnableDisablePlugins
Core. Run. Configurations	Performance	IDEA-219923	Avoid running run configuration producers on EDT
Core. SSH	Bug	IDEA-224997	FileNotFoundException when no permissions for reading ~/.ssh/known_hosts
Core. Task Management	Bug	IDEA-101254	Time tracking: Suspend delay setting has effect only on project reopening
	Bug	IDEA-138917	Time Tracking broken
Editor. Formatter	Bug	IDEA-224183	IDEA takes into account formatting markers with the disabled "Enable formatter markers in comments" option
Groovy	Bug	IDEA-221863	SOE in type inlay hint
Groovy. Compiler	Bug	IDEA-224869	FileNotFoundException on compiling Groovy class with umlaut in name
Lang. YAML	Feature	IDEA-224404	Make YAML metatype engine be able to complete inside quoted values
	Bug	IDEA-223349	Problems validating sequences using Metamodel engine
Tools. Docker	Feature	IDEA-178495	compose YAML: add editor support for typed arrays (v3)
	Bug	IDEA-214766	Incorrect error highlighting for function arguments used in string interpolation inside a BASH function in a RUN statement in Dockerfile
	Bug	IDEA-224069	Dockerfile highlighting breaks on multiline RUN with quotes
	Exception	IDEA-225084	java.util.ConcurrentModificationException in Docker plugin
User Interface. Console View	Bug	IDEA-70016	error mixing stdout/stderr
User Interface. Controls	Bug	IDEA-223501	Hover over Tool Window toggle button broken

User Interface. Find, Replace, Usages	Bug	IDEA-224319	Forget the previous search fragment when a new multiline fragment was selected
User Interface. Focus	Bug	IDEA-223806	After closing the Find view, keyboard focus is nowhere
User Interface. Look and Feel	Task	IDEA-201463	IntelliJ LaF: change inactive selection background color
User Interface. Navigation	Bug	IDEA-223322	Bookmarks with mnemonics is lost after project reopen
	Bug	IDEA-224660	Search Everywhere: start matches should be prioritized
Version Control. Git	Feature	IDEA-208517	Unified Checkout action for remote branches
	Bug	IDEA-223904	After cancelling a commit, "Commit" button stays disabled
	Performance	IDEA-221003	Git integration should refresh only the files which actually have changed
	Usability	IDEA-132259	Multi-repo sync setup: Checkout common remote branch as local fails if one of repositories is already on such branch
	Usability	IDEA-171626	Ability to create new branch that already exists in some repositories
	Usability	IDEA-193354	Git   Branches   "Checkout as" always makes new branch track selected branch
	Task	IDEA-163444	Remove "Branch Default" update method
Version Control. GitHub	Bug	IDEA-224239	GitHub PullRequests: content is not shown if user logged in from toolwindow
	Bug	IDEA-224323	GitHub PullRequests: Refresh notification does not appear automatically
	Cosmetics	IDEA-224329	GitHub PullRequests: add space between file name and its path
Version Control. Perforce	Bug	IDEA-221889	Exception when saving a merge result in perforce
No subsystem	Bug	DBE-9285	Inspections from commandline: SqlCaseVsCoalesceInspection fails with "registers INFORMATION level problem in batch mode"
DB Connectivity	Cosmetics	DBE-9357	test connection to db - window which is not resizable - inconsistency
DB Console	Feature	DBE-2344	DB2: not possible to enable DBMS_OUTPUT
DB Diff	Bug	DBE-7250	Schema compare yields inequalities for seemingly equal attributes
DB Refactoring	Bug	DBE-8776	Modify comment query lost umlauts in encoding mess even though previewed SQL is fine
	Cosmetics	DBE-8364	Edit Comment for DB Table Column Window
PL & DDL Editor	Bug	DBE-8649	DDL editor should always use UTF-8
SQL Completion	Usability	DBE-9307	SQL: MySQL: code completion could suggest ALTER TABLE
	Usability	DBE-8957	Misleading icon in a completion list
SQL General	Bug	DBE-9376	MS SQL parses incorrectly when column alias is "load"
SQL Generation	Bug	DBE-9366	DataGrip freezes 30 secs after launch
SQL Highlighting	Bug	DBE-9317	Add az64 compression encoding support
	Bug	DBE-9353	Inlay hint is strange for VALUES
	Bug	DBE-9293	Sybase: unable to resolve "GO" symbol
No subsystem	Feature	WEB-27946	WebStorm complains about attributes on <svg:g> elements
	Feature	WEB-14385	syntax highlighting of mime type text/ractive in scripts for Ractivejs
	Bug	WEB-41746	Sort properties alphabetically goes into an infinite loop on malformed JSON
	Bug	WEB-41923	Typescript: Auto complete for function parameters not working correctly for keyof readonly properties
	Bug	WEB-40746	Add "parallelization" to the dictionary

	Bug	<a href="#">WEB-41789</a>	Standard code completion insert handler is not invoked for items in optional chains
	Bug	<a href="#">WEB-39386</a>	weridly behaving typos hints
	Bug	<a href="#">WEB-41925</a>	Cordova: exception while creating "platforms" directory
	Bug	<a href="#">WEB-41803</a>	Please add "screenshot" to the dictionary
	Bug	<a href="#">WEB-41817</a>	Async generators: create a for-await loop in corresponding postfix template
	Bug	<a href="#">WEB-40288</a>	No 'Download Node.js' action if there is one (or more) invalid node
	Bug	<a href="#">WEB-41957</a>	End-of-line LT expression is parsed as generic parameter list in some cases
	Bug	<a href="#">WEB-41807</a>	Warning is wrapped in exclamation point (! symbol)
	Cosmetics	<a href="#">WEB-41731</a>	The name of Handlebars/Mustache folding category is truncated
	Task	<a href="#">WEB-41910</a>	Change "Replace with the shortened form" to "Replace with a shorter path"
CSS	Bug	<a href="#">WEB-41795</a>	Download CSS library from CDN: disabling in Preferences - Libraries has no effect on completion
	Bug	<a href="#">WEB-8044</a>	Move statement on CSS block no working as expected
	Bug	<a href="#">WEB-8045</a>	Move statement on CSS line no working as expected
	Usability	<a href="#">WEB-41796</a>	Download CSS library from CDN: show shorter name for the location in completion popup
Debugger	Bug	<a href="#">WEB-41684</a>	Protractor stops on the wrong line, tooltips are not shown
	Bug	<a href="#">WEB-41719</a>	TraceableDisposable.ObjectNotDisposedException when close IDE while debugging
HTML	Bug	<a href="#">WEB-42029</a>	Broken documentation for TS/JS library symbols in HTML files
	Exception	<a href="#">WEB-41600</a>	Invalid file name lib/intellij-xml.jar!/resources/html5-schema/html5chars.ent
JavaScript	Feature	<a href="#">WEB-39273</a>	'Make private/make public should be available for ES6 private fields
	Feature	<a href="#">WEB-41908</a>	Bundle language injection for paper.js
	Feature	<a href="#">WEB-38663</a>	Add parentheses and implement the body when completing `constructor` keyword
	Bug	<a href="#">WEB-41954</a>	JS support require calls with references
	Bug	<a href="#">WEB-31714</a>	Make field public QF should change all usages of this field (remove # symbol)
	Bug	<a href="#">WEB-41980</a>	Global resolve works differently inside a class and on the top level
	Bug	<a href="#">WEB-32591</a>	Autocompletion not working after importing class instance that was instantiated via factory
	Bug	<a href="#">WEB-40023</a>	Quick fix: JS: shouldn't invoke action of converting "for-in" to "forEach" on object
	Bug	<a href="#">WEB-41610</a>	Javascript: Unresolved variable
	Bug	<a href="#">WEB-41793</a>	Remove 'package-lock.json' from import/require completion
	Bug	<a href="#">WEB-41956</a>	Can't decline name suggestion for the last parameter when using `function` live template
	Performance	<a href="#">WEB-41810</a>	Freeze in EDT on type evaluation
JavaScript. Frameworks	Feature	<a href="#">WEB-41320</a>	Angular 8 SVG template unsupported
	Feature	<a href="#">WEB-40545</a>	Implement quick documentation for vue symbols
	Feature	<a href="#">WEB-42016</a>	Vue.js: support completion for custom modifiers from web-types
	Feature	<a href="#">WEB-32487</a>	Vue.js. Support local and global filters
	Bug	<a href="#">WEB-41917</a>	Vue.js: 'lang' attribute isn't suggested for completion
	Bug	<a href="#">WEB-41782</a>	Completion for v-bind - attribute href is missed
	Bug	<a href="#">WEB-41827</a>	Cannot resolve imported properties in Vue component

	Bug	<a href="#">WEB-41647</a>	vuejs computed values resolved as functions instead of values
	Bug	<a href="#">WEB-36502</a>	Vue.js: warn about empty tag bodies instead of self-closed tags in compiled vue templates
	Bug	<a href="#">WEB-31286</a>	Tabbing on live template \$VAR\$ in JSX is hijacked by autocomplete
	Bug	<a href="#">WEB-41654</a>	Specify variable type explicitly doesn't produce any changes in code
	Bug	<a href="#">WEB-41073</a>	Vue.js: instance properties/events from plugins not resolved in templates
	Performance	<a href="#">WEB-41427</a>	XmlTagNameSynchronizer freezes IDEA due to synchronous angular resolve
	Usability	<a href="#">WEB-41765</a>	Vue.js: background color for <script> tag causes usability issues
	Exception	<a href="#">WEB-42076</a>	IncompatibleClassChangeError when add .hbs file in vue project
JavaScript. Inspections	Bug	<a href="#">WEB-41879</a>	'Specify variable type explicitly' shouldn't specify raw literal types in Flow
	Bug	<a href="#">WEB-25169</a>	'Flip ,' works incorrectly for destructuring arrays
	Bug	<a href="#">WEB-25157</a>	"Unnecessary semicolon" inspection quickfix removes trailing line breaks
JavaScript. Refactoring	Feature	<a href="#">WEB-41816</a>	JS. Replace for..of with indexed intention
	Bug	<a href="#">WEB-42023</a>	Extract field: don't suggest to initialize in constructor when creating directly from a field initializer
	Bug	<a href="#">WEB-41845</a>	"Extract Constant" refactoring shouldn't work with ECMAScript 5.1 and earlier
	Bug	<a href="#">WEB-40040</a>	TypeScript - Change method signature is wrong when passing "this"
	Bug	<a href="#">WEB-41916</a>	'Introduce constant' shouldn't suggest global scope if having await expressions
	Bug	<a href="#">WEB-41876</a>	'Generate destructuring patterns' fails on a property of already existing pattern
	Bug	<a href="#">WEB-41961</a>	Extract Method refactoring shouldn't suggest outer scopes when having private #-references
	Bug	<a href="#">WEB-30408</a>	Refactoring: Extract Superclass: static method should not be marked as abstract
	Bug	<a href="#">WEB-41723</a>	Extracting a variable immediately assigns an auto-generated name to the new variable
	Bug	<a href="#">WEB-41849</a>	"Extract Constant" from substring doesn't enforce 'const' and reuses the var type from 'Extract Variable'
	Bug	<a href="#">WEB-41811</a>	Tooltip in 'Introduce constant' isn't shown at the location where the declaration is actually inserted
	Usability	<a href="#">WEB-28271</a>	Change signature should better handle TypeScript parameter-properties
JavaScript. Templates	Bug	<a href="#">WEB-41895</a>	Handlebars: Code is disappearing while editing handlebars fragment
Live Edit	Cosmetics	<a href="#">WEB-41338</a>	LiveEdit plugin description is outdated
Node.js	Bug	<a href="#">WEB-23329</a>	Output of stdout and stderr are not properly coordinated in Run console
	Bug	<a href="#">WEB-41749</a>	Globally installed packages not always appear NPM packages list window
	Bug	<a href="#">WEB-21914</a>	angular-cli: Cannot find angular-cli package
Pug (ex-Jade)	Bug	<a href="#">WEB-41891</a>	Pug's path resolver should not use hard-coded and old extension name
TypeScript	Bug	<a href="#">WEB-41948</a>	Type is inferred as T   any[] when TypeScript infers just T, causing slowness
	Bug	<a href="#">WEB-40795</a>	Don't provide auto-complete suggestions for keys in object when you have defined them already (it is non-operation)
	Bug	<a href="#">WEB-41892</a>	Spurious "Missing await" inspection warning when a nontrivial expression is being returned
	Bug	<a href="#">WEB-41884</a>	False positive warning for TypeScript type guard function
	Bug	<a href="#">WEB-41724</a>	'Propagate to destructuring declaration' should not be available on parameter properties

	Bug	<a href="#">WEB-29309</a>	'Inline' refactoring: allow getter inlining
	Bug	<a href="#">WEB-41940</a>	Type assertions don't work if we reset null / not null state with the statement
	Bug	<a href="#">WEB-41856</a>	Type of response of awaiting supertest function is any (should be response)
	Bug	<a href="#">WEB-40580</a>	TS. Extract method should set the parameter type
	Bug	<a href="#">WEB-41889</a>	Complete current statement inserts parens before explicit generic arguments
	Bug	<a href="#">WEB-40893</a>	Incorrect indentation for switch-cases code completion: should reindent the inserted case-label automatically
	Bug	<a href="#">WEB-26888</a>	TypeScript: Change Signature dialog: error when adding parameters with initializer
	Bug	<a href="#">WEB-41966</a>	Postfix template shouldn't appear in completion in type annotation
Unit Tests	Bug	<a href="#">WEB-41875</a>	Support Cucumber steps defined using TypeScript annotations
Plugin: Deployment _ FTP..	Bug	<a href="#">WI-49226</a>	Wrong resolve of remote symlinked file
	Usability	<a href="#">WI-13622</a>	File deployment: notification settings group name has nothing common with plugin presentation name
Plugin: ini4idea	Bug	<a href="#">WI-49242</a>	Folding for named section is broken in case the latest entry is key without value
	Bug	<a href="#">WI-49171</a>	Folding for named sections in ini does not work