

PyCharm 2019.3.1 Release Notes

App Engine	Bug	PY-38080	Can't resolve google.appengine packages if project has extra packages from google
Code Insight	Bug	PY-38439	False positive when assigning TypedDict to field with different TypedDict type
	Bug	PY-37601	Wrong type for class initialization that has generic <code>__call__</code>
	Bug	PY-38505	Infer proper type for TypedDict subscription expressions
	Bug	PY-38642	Display package icons only for traditional Python packages containing <code>__init__.py</code>
	Bug	PY-38413	PyCharm should add <code>*</code> before all arguments in type hint for TypedDict
	Bug	PY-38438	PyCharm suggests <code>__import__</code> before <code>import</code> keyword, other keywords are also quite low
	Bug	PY-38415	Incorrect order of keys in parameters hint in the case of inheritance TypedDict classes
Console	Bug	PY-39090	NPE with Python Console folding
Cython	Bug	PY-31491	Cython syntax highlighting tuple not recognised
	Bug	PY-17479	Syntax for 2D Cython arrays is not recognized
Debugger	Bug	PY-38941	Debugger doesn't see new Python processes created with <code>posix_spawn</code>
	Bug	PY-38378	Debugger Console not updating variable inside function
Django	Exception	PY-38529	Exception is thrown when adding new module with Django facet in Idea
IDE	Bug	PY-39497	Docstring format is changed to Plain from reStructuredText when opening the project in 2019.3
Inspections	Bug	PY-16868	Inspection is wrong on property declaration in <code>.pyi</code> file
	Bug	PY-30861	Warnings when calling methods in nested dictionaries using <code>defaultdict</code>
	Bug	PY-38422	Warning message for method <code>clear</code> and <code>popitem</code> in context of TypedDict should be the same
	Bug	PY-33663	Multiple calls to <code>pathlib.Path.parent</code> loses type information
	Bug	PY-33490	Update "PEP 8 coding style violation" inspection description
	Bug	PY-38873	Type of TypedDict's value is misdetected when value type is <code>dict</code> , <code>Dict</code> or <code>TypedDict</code>
	Bug	PY-38412	A stub module causes PyCharm to infer incorrect type for TypedDict
	Usability	PY-1421	Include name of reference being imported in 'unused import' inspection report message
	Exception	PY-33548	<code>AssertionError</code> in <code>PyTypeCheckerInspectionProblemRegistrar.java:90</code>
Interpreters Settings	Bug	PY-38479	unusable virtual environments created by PyCharm CE 2019.2.3 using Catalina's Python3.7.3 as base interpreter
Jupyter Notebook	Bug	PY-39121	Read access Exception when working with widgets
	Bug	PY-39268	No text shown in popup at some Jupyter notebook editor icons
	Bug	PY-38864	Jupyter syntax error reporting
	Usability	PY-38407	Don't show interactive widget objects in variable view
Refactoring	Bug	PY-12516	Refactor -> Rename: default python run configuration name is not updated
Remote Interpreters	Bug	PY-38649	Existing Docker and Docker Compose Python interpreters cannot be edited
	Bug	PY-37477	PyCharm uses the same port (hence plots do not work for more than one user in case of SSH-based interpreter)
Test Runner	Bug	PY-29614	Test results for unittest subtests are formatted incorrectly if the docstring doesn't start with <code>\n</code>

Build. Gradle	Bug	IDEA-226433	Regression on working with Android gradle sub-projects that re not connected to the root configuration
	Bug	IDEA-227808	Gradle tests report in IDE: merge test results from different tasks and workers.
Build. Maven	Bug	IDEA-228098	IntelliJ 2019.3 builds Maven projects indefinitely
	Bug	IDEA-200439	Maven: maven-ear-plugin support: the outputFilenameMapping property is not supported
	Bug	IDEA-225993	java.nio.charset.IllegalCharsetNameException: \${project.encoding}
	Bug	IDEA-228873	MavenExecutionRequest- null set into basedir request property
Code Analysis. Inspection	Feature	IDEA-227586	Warn on returning Nullable from Flux/Mono transformation should support method reference
	Bug	IDEA-227840	Intention does nothing when rethrow exception
	Bug	IDEA-227141	Quickfixes in the Inspections view are reordered
Code Analysis. Structural Search	Bug	IDEA-226388	Existing template " not contained in or " doesn't work
Core. Installation	Bug	IDEA-228606	IDEA community lacks "Community" in the installation path
	Task	IDEA-227756	Bundle Kotlin 1.3.61 with IntelliJ IDEA
Core. Platform API	Bug	IDEA-226561	Disposer.register should be documented to throw IncorrectOperationException when the parent disposable is disposed
Core. Plugin Management	Bug	IDEA-225468	"Notification group Profiling is already registered" on installing first theme plugin
	Bug	IDEA-224855	Plugin Manager: a lot of plugins are falsely marked as incompatible
	Bug	IDEA-225789	Keymap is not added if Apply button is pressed after keymap plugin installation
Core. Run. Configurations	Bug	IDEA-224132	Run Configurations: the tasks added as beforeRun tasks seem to be executed in parallel
	Cosmetics	IDEA-227160	Add text disclaimer to run/debug configuration template page
Editor. Editing Text	Feature	IDEA-225455	\$SELECTION\$ does not work in Live Template when part of another variable
	Bug	IDEA-227271	InlayHints not properly disabled
	Bug	IDEA-226412	column mode is not revealed on status bar (regression)
	Bug	IDEA-227963	"Enter/Smart indent" option sets "AUTOCOMplete_ON_SMART_TYPE_COMPLETION" instead of "SMART_INDENT_ON_ENTER"
	Bug	IDEA-227376	The "File Structure" popup no longer correctly locates the function you select when dealing with collapsed areas
	Bug	IDEA-226837	Caret jumps to another line when moving using left/right arrows
Editor. Intention Actions	Performance	IDEA-227453	Freeze on showing available intentions
Editor. TextMate Bundles	Bug	IDEA-226563	Navigating to php/bin/set_error_handler after find-in-path locks up
Groovy	Bug	IDEA-202654	Multi-line TODO comments not recognized in some file types
	Bug	IDEA-223211	Groovy: paste of unicode-escaped characters does not work
	Bug	IDEA-178360	Groovy: can not paste new line character into strings
	Bug	IDEA-162290	Groovy: escaping problem for copy and paste from/to GStrings
Lang. XML	Bug	IDEA-226310	XSD validation ignores "anyAttribute"

Lang. YAML	Bug	IDEA-226689	Helm. java.lang.AssertionError: Should come here only for YAMLKeyValue with no value and a following indent at adding a missing key from values.schema.json
Tools. Docker	Feature	IDEA-200863	Ability to inspect the image of the running Docker container.
	Bug	IDEA-203230	Docker. Save container changes: all tabs display "Log" info until choosing "Attached Console"
	Bug	IDEA-226467	Docker. Absent errors in case of running a container with already allocated ports
	Bug	IDEA-227975	Doing an docker-compose down using the Docker services panel causes named volumes to be removed/deleted (new in 2019.3)
	Bug	IDEA-227705	Add *.dockerfile file type pattern for dockerfile.
	Bug	IDEA-227236	Dockerfile, image: the deployed container doesn't have log if chosen in another project
	Performance	IDEA-218894	Constant recreation of log consoles if the same container log is opened in two projects, eventually leading to OOM
	Usability	IDEA-226452	Docker. Display no additional tabs for a container after delete and redeploy
	Usability	IDEA-217957	Docker. Expand docker node after connection
	Usability	IDEA-155563	Docker. Provide possibility of navigation from/to containers to/from the corresponding image.
	Cosmetics	IDEA-218123	Docker: Green pane by down the compose app
User Interface. Focus	Bug	IDEA-227732	Focus is not returned to Editor after closing Commit dialog
	Bug	IDEA-227102	Focus lost after closing tool window if editor tabs are splitted
User Interface. Navigation	Usability	IDEA-224071	Switcher opens a tab in the previous split when tabs placement is set to none
User Interface. Services View	Bug	IDEA-226739	Services: OpenEachTypeInNewTab action is available in the empty view but doesn't affect the behavior when configurations are added
Version Control. Git	Bug	IDEA-226627	Git Clone Dialog: Trim the URL
	Bug	IDEA-227242	Deleting directory with unversioned files (by action from Project View) does not remove corresponding unversioned files from Local Changes
Version Control. Log	Bug	IDEA-227019	Git log tab bug with a branch named with parenthesis
Version Control. Subversion	Bug	IDEA-224516	Intellij IDEA never ends (or as best, is very slow) "performing VCS refresh". Se attached image. Problem appears in all 2019.3 versions. Not a problem in version 2019.2.3.
DB Connectivity	Bug	DBE-2684	call trim() on connection dialog fields
DB Console	Bug	DBE-9728	Some MySQL queries show wrong table column names
DB Introspection	Feature	DBE-5036	Create "fake" foreign key reference
	Bug	DBE-9755	NPE on fetching database schema
DB Refactoring	Bug	DBE-9743	Wrong schema is chosen when adding foreign key constraint to a table (fixed in DataGrip)
Data Views	Bug	DBE-9613	MongoDB: JavaScript regular expression objects are not supported in the filter field
	Bug	DBE-8196	Remove schema qualification from the data editor query
	Bug	DBE-9704	Cannot Use ObjectId to find one record in MongoDB
	Bug	DBE-9593	MongoDB collection view: ISODate truncated to just YYYY-MM-DD format
	Bug	DBE-9714	Right-click on column header does not show menu in DataGrip 2019.3 Windows
	Bug	DBE-9736	Table filter is cleared when navigating from Database View

SQL Completion	Feature	DBE-9708	Add editor option to autocomplete SQL join clause without table name
SQL Format and Style	Bug	DBE-9680	PostgreSQL doesn't handle CREATE TYPE
	Bug	DBE-9692	SQL formatter: Placing ON/USING under JOIN doesn't work
SQL Generation	Bug	DBE-9619	IDEA reports incorrect column definitions
SQL Highlighting	Bug	DBE-9658	Exasol IFNULL() function support
	Bug	DBE-9667	Add support [GLOBAL] [ANY ALL] [INNER LEFT RIGHT FULL CROSS] [OUTER] JOIN (subquery) table USING columns_list for ClickHouse dialect
	Bug	DBE-9767	DROP CHECK incorrectly marked as error for MySQL.
	Bug	DBE-9679	Inline parameter hint provider for DB routines
	Bug	DBE-9682	Oracle: Allow identifier syntax for password values (e.g. REPLACE clause)
	Bug	DBE-9659	Exasol PARTITION BY clause
	Bug	DBE-9660	Snowflake dialect: QUALIFY does not work correctly in a WITH clause
SQL Resolve	Bug	DBE-9453	CQL highlighting doesnt understand custom types
No subsystem	Bug	WEB-42670	Invalid destructuring type evaluation for an arrow function parameter with explicit annotation
	Bug	WEB-42727	502 bad gateway is shown on the first request after project reopening
CSS	Performance	WEB-42613	CSS: CssColorGutterRenderer can cause freezes
Dart	Feature	WEB-41912	Support Dart web apps debugging using 'webdev daemon'-based workflow and VM Service protocol (like Dart DevTools)
	Bug	WEB-41978	NPE on autocomplete for Dart (SDK 2.2 or 2.3)
	Bug	WEB-42526	NPE from DartServerRootsHandler.getEnclosingDartPackageDirectory()
Debugger	Bug	WEB-42661	Debugging with an async hook enabled is broken
	Bug	WEB-42393	Support debugger frames for dependencies installed with Yarn PnP
File Watchers	Bug	WEB-42549	"Enable File Watcher" is suggested for files inside node_modules
JavaScript	Feature	WEB-21053	ES6 Template Strings Don't Collapse
	Bug	WEB-42593	Type of Map entries iterated with for..of inferred as any
	Bug	WEB-42672	Global definitions are not resolved in strict mode
	Bug	WEB-42662	Color methods in optional chains as normal methods
	Bug	WEB-42431	JSdoc: Better coverage of @implements with external files
	Bug	WEB-42466	Unwanted autocomplete on rest operator for args collecting
	Bug	WEB-42469	 , , and <u> do not work in JavaScript quick documentation
	Performance	WEB-42708	outOfMemory on tuple types analyzing
	Cosmetics	WEB-28832	Structure diagram shows right arrow buttons when there are no sub members to that item
JavaScript. Frameworks	Feature	WEB-42315	Resolve imports for .native.js and web.js file names
	Feature	WEB-42868	create-react-app 3.3: use `--template typescript` for generating TypeScript app
	Feature	WEB-42869	create-react-app 3.3: use `npx --ignore-existing` when generating a project
	Bug	WEB-40248	Async pipe incorrectly infers the type of nested Observable in template
	Bug	WEB-42721	Meteor: incorrect warnings for some packages
	Bug	WEB-42758	Directly exported jsx classes do not show in code completion.
	Bug	WEB-41397	Too many identical results in Add Angular Schematic popup after refreshing content

	Bug	WEB-41409	Vue component with script in another file: duplicated info in popup
	Bug	WEB-42387	Angular template: false "Unused variable" when using @ViewChildren in Component
	Bug	WEB-42824	PhpStorm freezes while deleting characters from doctrine XML files
JavaScript. Inspections	Bug	WEB-42129	Unnecessary semicolon in if/else statement (Vue, TypeScript 3.7, Prettier)
JavaScript. Refactoring	Bug	WEB-42534	'Extract superclass' creates double 'super()'
Node.js	Task	WEB-42476	Yarn PnP: Support for stylelint
SASS	Bug	WEB-42416	@use in SCSS file doesn't resolve webpack aliases (`~/...`)
TypeScript	Feature	WEB-42630	Support `declare` Property Modifier
	Bug	WEB-42564	Incorrect unused marking
	Bug	WEB-42603	Invalid 'Contents of collection never queried' warning for set with type declaration
	Bug	WEB-42594	Promise<T> generic argument in return type not inferred from context for awaited calls
	Bug	WEB-42683	tsserver not started, code analysis can't be completed because of problems parsing include patterns in tsconfig.json
	Bug	WEB-42414	Array spread operator prevents inference of return type of map callback
	Bug	WEB-42581	TypeScript: missing class property type in suggestions
	Performance	WEB-42657	High CPU usage when editing TSX component with style-components
	Usability	WEB-42623	TypeScript: show inferred class property type in suggestions
	Task	WEB-42404	TypeScript: enable 'export * as ns from' syntax (coming in TS 3.8)
Unit Tests	Bug	WEB-42463	Mocha is used for running tests in Vue-cli project despite Jest being configured in dependencies
	Exception	WEB-42471	Cannot run Karma tests with disabled "JavaScript Debugger" plugin