

IntelliJ IDEA 2019.3 EAP (193.2956.16 build)

Release Notes

No subsystem	Feature	IDEA-173174	Warn user about IDE keymap conflicts with native OS keymap
	Feature	IDEA-147849	Find Action By Name should not consider word order
	Bug	IDEA-220692	Speedup SVG icons loading
	Bug	IDEA-217898	Unexpected full reindex
	Bug	IDEA-221822	Settings for new projects are ignored when creating a new project in WebStorm
	Bug	IDEA-220088	Should be called at least at the phase COMPONENT_REGISTERED, the current phase is: SPLASH
	Bug	IDEA-212652	Switch Boot Runtime: IOException: Cannot download jbr-file Request failed with status code 404
	Bug	IDEA-220733	We need to extend ApplicationEx API for elevated restart for Rider.
	Bug	IDEA-217798	Exception when uncheck Inlay Hints
	Bug	IDEA-219624	ETagCloudConfigFileClient loading issues
	Bug	IDEA-220232	Recent Locations advertising in Recent Files
	Bug	IDEA-218071	Cannot open the project due to exception: The DialogWrapper can only be used in event dispatch thread
	Bug	IDEA-221164	Incorrect tabs headers painting
	Bug	IDEA-127997	Gutter changed lines regions not shown when the changed lines are "folded"
	Bug	IDEA-219354	Inspection text cutoff in error popup
	Bug	IDEA-159091	Analyse > Analyse Stack Trace > Unscramble - Text is confusing
	Bug	IDEA-217783	Project leak in tests
	Bug	IDEA-215794	onHoverChange() doesn't work with block inlays
	Bug	IDEA-221328	Exception in Rider test.
	Performance	IDEA-214768	avoid creating default project on startup because it's bad for performance
	Performance	IDEA-218654	Get rid of lifetime, lifetime/disposable bridges loading and execution on EDT during start
	Performance	IDEA-218463	Project code style settings should be loaded asynchronously, not on EDT though status bar
	Performance	IDEA-212711	Improve performance for editor with large number of highlighters
	Usability	IDEA-219363	Run Anything input is not being saved between invocations
	Task	IDEA-218725	Remove RELAX-NG from inspections settings popup
	Task	IDEA-218097	Prebuilt indexes should respect stub serialization version
	Android	Performance	IDEA-217279
Build	Bug	IDEA-221586	Already disposed: Project (Disposed) community
	Task	IDEA-216941	Rename Gradle/Maven Integration Extension plugins
Build. Gradle	Bug	IDEA-219117	Gradle tool window: When Explicit Module Groups option is selected and iml files generated, only the root project is shown
	Bug	IDEA-217769	Separate Gradle tasks for Build and Rebuild
	Bug	IDEA-217933	Package prefix issues on import from Gradle
	Bug	IDEA-212533	Gradle project with dot in its name is not displayed in Gradle tool window
	Bug	IDEA-217731	Gradle dependency completion removes library version

	Usability	IDEA-218295	Ability to run Gradle run configuration during indexing
	Usability	IDEA-217437	GradleDiagrams: do not auto-select excessive nodes when first opening the diag
	Usability	IDEA-216938	Offer an alternative to the removed "Create directories for empty content roots automatically" Gradle option
Build. JPS (Compiling Project)	Bug	IDEA-200527	java.net.URISyntaxException when PatternInstrumenter instruments code
Build. Maven	Bug	IDEA-202133	Maven late property evaluation ignored when running tests
	Bug	IDEA-220010	Maven project import fails if old maven version (3.0.3) is used
	Bug	IDEA-217314	Cannot find relative path of parent pom
	Bug	IDEA-215315	NPE when "Reimport All Maven Projects" with maven 3.6.2-SNAPSHOT
	Bug	IDEA-122783	Unit test runner ignores maven surefire classpath configuration
	Bug	IDEA-221494	Maven fails to import dependencies and plugins from within IDEA when a local repository is specified in settings.xml
	Bug	IDEA-122332	Repeated errors for missing Maven repo files
	Performance	IDEA-209532	IntelliJ Freezes in SQL Editor (MavenTargetUtil.getFindTarget in non-Maven files)
	Usability	IDEA-210278	Maven: do not show Import dialog when creating/opening projects
	Exception	IDEA-220662	SOE at com.intelij.util.xml.EvaluatedXmlNameImpl.equals
	Exception	IDEA-219926	Throwable at com.intelij.task.impl.ExecutionEnvironmentProviderImpl.createExecutionEnviron
Code Analysis. Duplicates	Bug	IDEA-221014	Many "JavaScript/TypeScript" entries in duplicate settings.
Code Analysis. Inspection	Feature	IDEA-214558	Reactor inspection: Warn when returning nulls from Flux/Mono transformation functions
	Bug	IDEA-188820	Out of memory when exporting code analysis to HTML
	Bug	IDEA-217597	Clicking on checkbox in the Inspections tree leads to `profileChanged` event in `ProfileChangeAdapter.TOPIC`
	Bug	IDEA-220740	Run Inspection -> Custom Scope value is not persisted
	Performance	IDEA-220137	Do not run inspection iterations if LocalInspectionTool returned PsiElementVisitor.EMPTY_VISITOR
Code Analysis. Language Injection	Bug	IDEA-218402	Database plugin - SQL syntax highlighting is not working in JavaScript strings if DECLARE is used
	Exception	IDEA-221436	NullPointerException when move folders in project tree
Code Analysis. Structural Search	Feature	IDEA-216174	SSR: Auto-insert pair \$ when editing search/replace template
	Bug	IDEA-218006	SSR: AssertionError at com.intelij.structuralsearch.impl.matcher.JavaMatchingVisitor.visitClass
	Bug	IDEA-221361	Replace variable number of parameters with fixed type correctly
	Bug	IDEA-65982	Structural search and replace doesn't correctly substitute annotation parameters
	Bug	IDEA-204454	Structural Replace doesn't have replacement variables anymore
	Usability	IDEA-81912	SSR - Restore the last text in the SSR dialog
	Usability	IDEA-216177	SSR: Don't show intention actions in Search Template field
	Usability	IDEA-201471	SSR: Do not use default input field focus for the Text Area
	Usability	IDEA-210319	SSR: Irrelevant completion variants when typing \$
	Cosmetics	IDEA-216180	SSR: Don't show quick doc on hover in Search Template field
	Cosmetics	IDEA-201475	SSR: Darcula: Use the same border for the template editor and the variables file pane

	Cosmetics	IDEA-218151	Baseline for filter hint is lower than other text
	Exception	IDEA-218193	MalformedPatternException occurs when specifying malformed search template
Core	Bug	IDEA-220128	Endless loop on file type converted from PlainText to C++
Core. Debugger	Bug	IDEA-221348	In the evaluate window, you cannot cast a char array to an object
Core. Diagrams (UML)	Bug	IDEA-216951	Repaint Maven/Gradle diagram only once per selection change in "Show Paths: Root->Selection" mode
	Exception	IDEA-218015	Attempt to export any diagram to svg image fails with NPE
Core. File System	Feature	IDEA-152607	Non-destructive "safe write" mode
	Performance	IDEA-218043	Freezes in scheduleInitialVfsRefresh
Core. IDE Settings	Bug	IDEA-124684	Customize menu and toolbar not persisting/broken
	Bug	IDEA-198276	Registry returns default values (not the user ones) at early stages of application loading
	Bug	IDEA-217321	IOException - 'example/path' is not a directory in VFS
	Bug	IDEA-219420	"Editor Inlay Hints" settings are not persisted between restarts
	Bug	IDEA-211157	File and Code Templates shows incorrect include header for Default scheme
	Usability	IDEA-136209	"Small labels in editor tabs" should be in "Editor Tabs" configuration section
	Usability	IDEA-207984	Ambiguous description: small labels in editor tabs
	Usability	IDEA-217609	UI cleanup for Settings Editor Smart Keys
Core. Indices	Bug	IDEA-216643	wrong TODO counter for database console
	Performance	IDEA-219456	Contentless indices load file content due to file type detection
	Task	IDEA-216231	Research on possible advantages of a common map for SerializedStubTree & IndexedStubs
Core. JSON	Bug	IDEA-221552	Unit Test fails for custom plugin when trying to load a JSON file
Core. Navigation and Search	Feature	IDEA-160274	Field Call Hierarchy
	Bug	IDEA-221398	Go to Declarations and Usages from popup doesn't jump to class definition
	Performance	IDEA-211967	IDEA 2019.1 freezes while searching for Todo items
Core. Platform API	Feature	IDEA-215436	Method with experimental\internal parameter or return type should be considere experimental\internal on its own
	Feature	IDEA-218478	Register ConcatenationInjectorManager service in the platform
	Bug	IDEA-215432	Internal\experimental API member usage inspection must check if declaring class package is marked internal\experimental
	Bug	IDEA-216172	Profiler says that ApiUsageUastVisitor#isInsideImportStatement may be slow
	Bug	IDEA-219855	Unable to build an empty IDEA plugin project with 2019.2 target
	Usability	IDEA-212107	Need a way to respond to file edit without creating a FileEditor in a plugin
	Task	IDEA-217639	Get rid of reflective access in `com.intellij.ide.ClassUtilCore#clearJarURLCache`
Core. Plugin Management	Bug	IDEA-219259	Queries in plugin list unavailable during indexing
Core. Profiler	Feature	IDEA-217015	Need own time in methods list
	Feature	IDEA-219359	Provide "Callees list" in addition to "Back Traces" and "Merged Callees"
	Feature	IDEA-218137	Profiler: to open zipped collapsed async profiler dumps
	Bug	IDEA-221007	Profiler call tree: strange horizontal scroll state after jumping from flame graph t call tree
	Bug	IDEA-221005	Profiler flamechart: one pixel line on the right of component isn't updated
Core. Project	Bug	IDEA-221596	JavaDoc and annotations paths may be reordered in *.iml file on save

Settings	Bug	IDEA-111848	Move of .iml file does not update the reference in modules.xml
	Bug	IDEA-221500	New module created in Project Structure dialog may get explicit module group assigned breaking grouping by module names
	Performance	IDEA-216510	Freezes in ConversionServiceImpl.getProjectFilesMap
Core. Quick Documentation	Bug	IDEA-218115	QuickDoc popup changes its user-defined size on navigating by links
	Bug	IDEA-216893	Quick documentation is shown even without moving the mouse
	Bug	IDEA-212331	Anchor links do not work in QuickDoc
	Bug	IDEA-220127	Anchor links within the same document don't work sometimes
	Usability	IDEA-189703	Documentation doesn't appear on hover on the element with warning
Core. Refactorings	Feature	IDEA-129547	Rename module and directory at the same time
	Bug	IDEA-216354	com.intellij.codeInsight.hint.ShowParameterInfoHandler#getHandlers doesn't res "order" attribute
	Exception	IDEA-219687	"java.lang.Throwable: AWT events are not allowed inside write action" on Undo during Rename operation
Core. Run Debug. Configurations	Feature	IDEA-182193	Intention to create a new Run configuration for executable class
	Bug	IDEA-157989	"Stop" button does not work when the IDE is launched as a background task
	Bug	IDEA-215196	Runner content ui has left border when its toolbar is not visible and new tabs is enabled.
	Bug	IDEA-215363	Generate JavaDoc passes java11 style --source-path to java8 javadoc binary
	Bug	IDEA-219327	Run/Debug actions on toolbar aren't shown until 'Edit Configurations' dialog is opened
	Bug	IDEA-215194	Run console toolbar is not separated from console editor when new tabs is enable
	Bug	IDEA-131597	Filtering is not applied to "irrelevant" run configurations
	Bug	IDEA-216291	No paste button in Tomcat Run/Debug configuration Startup/Connection
Core. XML	Bug	IDEA-215634	com.intellij.util.xml.DomFileDescription#isMyFile: parameter module is always nu
	Bug	IDEA-192427	Invalid URI resolution for dependent external resources with absolute path (XML schema files)
	Performance	IDEA-212283	DOM: xinclude performance problem
Editor	Bug	IDEA-216746	Inlay hints: Use editor font for editor
	Bug	IDEA-221337	Joining lines performance is slow
	Bug	IDEA-221335	Exception in plugin aborts the whole Copy/Cut operation
	Bug	IDEA-216745	Inlay hints: Select first item in the list when opening a settings page
	Bug	IDEA-216360	Code vision selection background overrides editor margin
	Bug	IDEA-217903	Inlay Hints: doubled hints on changing the file extension
	Usability	IDEA-218340	Escape required characters when copy-pasting text between different types of st literals
	Usability	IDEA-216743	Inlay hints: Add explanation text on root page of the settings
	Cosmetics	IDEA-216747	Inlay hints: Increase space between checkboxes and "Black list..." label
	Task	IDEA-217669	Use same delay for popups shown on mouse hover in editor
	Exception	IDEA-221262	IAE at org.jetbrains.plugins.github.pullrequest.comment.ui.EditorComponentInlaysMan
	Editor. Code Completion	Bug	IDEA-221425
Bug		IDEA-219161	Empty bottom advertisement text in non-completion lookups
Bug		IDEA-220191	How do you customize the CompletionPopup background color?
Exception		IDEA-219655	NSEE at kotlin.collections.CollectionsKt___MapWithDefaultKt.getOrImplicitDefaultNullab

Editor. Color Schemes	Bug	IDEA-216982	Regression: usage of deprecated api is not highlighted - no strikeouts from code s
Editor. Diff and Merge	Feature	IDEA-218189	Show scope background color in Diff window files popup
	Feature	IDEA-216868	Diff could tell if binary files are different
	Bug	IDEA-215841	Directory diff finds binary content differences in some big binary files, while they the same
	Bug	IDEA-220960	Compare files doesn't respect Soft wrap option
	Bug	IDEA-218187	Diff/Merge files drop-down has strange files sorting
	Bug	IDEA-220681	Wrong Differences ignored label
	Usability	IDEA-220861	Merge dialog: Actions buttons should be disabled if file is not selected
	Exception	IDEA-220582	NPE at com.intelij.diff.tools.simple.SimpleDiffModel.updateGutterActions
Editor. Editing Text	Feature	IDEA-125325	Join lines in custom file type should handle end-of-line comments
	Bug	IDEA-221610	Need to click twice to unselect identifier that is being renamed
	Bug	IDEA-217073	Burmese language literals irreversibly break the editor
	Bug	IDEA-221642	Incorrect parameter popup highlighting range
	Bug	IDEA-210020	Search highlight color does not change when changing theme
	Bug	IDEA-215896	Folded property value editing: incorrect cursor after Expand invocation in case of long property value text
	Bug	IDEA-218901	Limit Description width in inspections popup
	Bug	IDEA-216967	Folded values of properties from resource bundles are not changed on property v changing in *.properties file
	Bug	IDEA-218068	Javadoc comments folding captures code on the same line
	Bug	IDEA-215899	Folded property value editing: if PasteFromHistory (Ctrl-Shift-V) is invoked in val editor, Esc closes editor instead of ChooseContentToPaste dialog
	Usability	IDEA-216380	When folding Javadoc comments do not show ellipsis if full content is shown whe folded
	Usability	IDEA-215414	Toggle Case action must preserve selection if changed text expands
	Usability	IDEA-204308	Multiline TODO popup interferes with editing the TODO.
	Cosmetics	IDEA-185041	Tabs rendering for show whitespaces are too intrusive, and space rendering look much like periods.
	Editor. Error Highlighting	Bug	IDEA-217862
Editor. Formatter and Code Style	Performance	IDEA-218532	Freezes in CodeStyle.getSettings
	Cosmetics	IDEA-218180	JavaScript language level is used in the Configure indents action name instead of JavaScript
Editor. Intention Actions	Bug	IDEA-220487	Create File Intention: in the target roots drop-down the inconsistent slashes are (in case of missing directories)
	Bug	IDEA-218163	CreateFileFix creates files in sources instead of resources locations in Gradle / Me projects
	Bug	IDEA-219577	Create File intention popup does not support speed search in the options popup
	Task	IDEA-217596	Redesign tooltip for warnings/errors on scrollbar
Frameworks	Feature	IDEA-218261	Warn throwing exceptions from reactor operators
Frameworks. Hibernate	Bug	IDEA-128307	Hibernate-reverse-engineering. Support type conversion document by generating entity java class
	Usability	IDEA-219888	Generate Persistence Mapping Showing Information Schema
Frameworks. Spring	Feature	IDEA-209148	Spring: detect the JPA facet automatically in SpringBoot projects with correspond dependencies

	Feature	IDEA-216078	Support Apache CXF XML configuration for Spring (JAX WS)
	Feature	IDEA-158876	Spring MVC: support the @RequestAttribute annotation
	Feature	IDEA-215237	Support Apache CXF XML configuration for Spring (JAX RS)
	Feature	IDEA-208951	Inspection when calling a `@Bean` method directly in a `@Configuration` where proxyBeanMethods is disabled
	Feature	IDEA-151638	Spring MVC: provide gutter navigation icons from mappings to beans when beanNameViewResolver is used
	Feature	IDEA-158709	Spring: support SQL highlighting in @Sql annotation
	Feature	IDEA-215874	Warn if a file specified in @Sql annotation does not exist
	Feature	IDEA-158875	Spring MVC: support @SessionAttribute annotation
	Feature	IDEA-216041	False warning `Cannot resolve @PathVariable ...`
	Feature	IDEA-218873	Navigation and quick fixes for Spring @ImportResource locations and @PropertySource / @TestPropertySource values
	Bug	IDEA-219573	Spring: when 'create file' intention is invoked from the config file in the web root only web root is suggested (but 2 times) despite the set 'classpath' prefix
	Bug	IDEA-220746	Create File intention: don't suggest web roots in case of existing 'classpath' prefix
	Bug	IDEA-211826	Kotlin objects are not considered by IDEA as Spring Bean candidates, when actually they are
	Bug	IDEA-216162	SpringBoot MVC: if view name starts with slash ("/") it can't be resolved by IDEA
	Bug	IDEA-211498	Spring support does not support a bean defined in XML and wired via @Value
	Bug	IDEA-220379	Thymeleaf plugin does not grab @ModelAttribute-s
	Bug	IDEA-217305	Spring Boot: if @ComponentScan annotation with defined filters exists in the @SpringBootApplication-annotated class, filters are applied incorrectly
	Bug	IDEA-221542	Spring: event listeners defined as beans are not found from gutter icon of publishEvent call
	Bug	IDEA-95024	Spring MVC: forward prefix should be processed correctly
	Bug	IDEA-189858	Spring: incorrect name for beans defined in inner classes
	Bug	IDEA-177644	ComponentScan basePackages with constant doesn't resolve beans
	Performance	IDEA-217972	SelectWordAtCaretAction + +Spring + JPA + KotlinAnnotatedElementsSearcher I to 100 sec freezes
Groovy	Feature	IDEA-202694	Support type annotation syntax
	Bug	IDEA-217978	Failure of resolving DGM methods on bounded type parameters
	Bug	IDEA-219623	Wrong inferred type on local variable
	Bug	IDEA-147080	Groovy Pointless Boolean Inspection should remove double negation
Groovy. Resolve	Bug	IDEA-135602	IDEA does not recognize Groovy @BaseScript if the annotation is on import
Infrastructure. Packaging and Installation	Task	IDEA-219542	Enable Bytecode Verification by default
Java	Feature	IDEA-210515	Replace "Select elements to import" dialog with balloon notification "x imports were added"
	Bug	IDEA-220084	exception in jshell console
	Bug	IDEA-219096	interpret escapes in text block value
Java. Code Completion	Feature	IDEA-212024	Replace adjacent literal with selected completion option when pressing Tab
	Bug	IDEA-217955	Repeating completion options for nested class
Java. Debugger	Feature	IDEA-211917	"Reload Current Class" action in context menu

	Bug	IDEA-169285	Breakpoint in a .class file causes IDEA to decompile a class when project is open which slows down opening a project
	Usability	IDEA-221182	Rename option "Disable until breakpoint is hit:"
Java. Error Highlighting	Feature	IDEA-207059	Add quick fix for error highlighting in enhanced 'switch' that code block is require non-value switch rule
	Bug	IDEA-219098	incorrect error highlighting when text block contains broken escape
	Bug	IDEA-185578	IntelliJ unable to resolve constructor reference while javac can
	Bug	IDEA-216009	method toString in class java.lang.Object cannot be applied to given types
	Bug	IDEA-219330	Lambda type inference regression
	Bug	IDEA-217352	Red code is green: Illegal escape character
	Performance	IDEA-205927	IDEA hangs after >40 entries added to Map
	Usability	IDEA-217630	Incompatible types description is not homogeneous.
	Usability	IDEA-94965	Java: in case of "Incompatible types" error the tooltip shows compatible non equ generic type arguments in red
	Usability	IDEA-206898	"Cannot resolve method" highlighting should not show parameter types if they are irrelevant for understanding the error
	Cosmetics	IDEA-202664	Confusing error message when several statements used for Java 12 rule-based switch case
Java. Inspections	Feature	IDEA-218562	Warn if toLowerCase result is compared with a string which contains uppercase letters
	Feature	IDEA-218061	Better support for string concatenation in dataflow
	Feature	IDEA-218253	Extract "Not-null field is not initialized" to separate inspection and improve it
	Feature	IDEA-214448	IDEA does not propose migration of for-each loop with remove() to removeIf()
	Feature	IDEA-219934	Inspection: Stream collections within static factories from Guava
	Feature	IDEA-187316	Reactor: unfinished StepVerifier quickfix
	Feature	IDEA-219142	Refactoring methods with multiple exit points
	Feature	IDEA-195220	Track exact type of value (not only instanceof) in Java dataflow
	Feature	IDEA-217721	Assert has side effects does not provide any details
	Feature	IDEA-211409	Enable the inspection "Unpredictable BigDecimal constructor call"
	Bug	IDEA-220982	Optional.ofNullable() warns to simplify to a code which is logically different from original code
	Bug	IDEA-208839	"Inappropriate thread-blocking method call" inspection: refactoring in-project annotations does not update the blocking/non-blocking annotations list
	Bug	IDEA-209249	"Inappropriate thread-blocking method call" inspection does not consider method throwing children of `IOException` or `InterruptedException` as blocking
	Bug	IDEA-151819	Misordered assertEquals parameters false positive when the expected parameter comes from a function argument
	Bug	IDEA-218385	False positive of inspection "Condition is covered by further condition" (quick fix produce NullPointerException-code)
	Bug	IDEA-218856	False-positive "Loop can be terminated after condition is met"
	Bug	IDEA-209407	"Inappropriate thread-blocking method call" inspection: class chooser for annota throws NPE at ProjectViewNode.hasProblemFileBeneath() when no project is open
	Bug	IDEA-219109	Stream.of(...).anyMatch(Objects::isNull) does not affect nullability analysis
	Bug	IDEA-170081	Inspection "Collapse 'if' statement" generates wrong code when quickly fixing the code
	Bug	IDEA-218232	Create missing branch in switch leads to exception, fix all does nothing
Bug	IDEA-194990	"Arguments to 'assertEquals()' in wrong order" false-positive	

	Bug	IDEA-216386	Incorrect warning on Void.TYPE in "MethodHandle/VarHandle type mismatch" inspection
	Bug	IDEA-221210	false positive isEmpty is always true after stream.collect with custom Collector
	Bug	IDEA-217396	Lambdas should have implicit `return` in Java Uast
	Bug	IDEA-218143	Explicit array filling suggests wrong fix
	Bug	IDEA-210351	Unnecessary 'final' on local variable or parameter produces red code
	Bug	IDEA-220077	"Java Probable bugs Constant conditions & exceptions" suggests incorrect code change
	Bug	IDEA-218089	Find cause may duplicate reason for && operator
	Usability	IDEA-215727	'Utility class without 'private' constructor' quick-fix 'Generate empty private constructor' should be first
	Usability	IDEA-216381	Stream.min and Collections.reverseOrder is not simplified to Stream.max
	Usability	IDEA-145570	Intention text for "Incompatible types" error quick fixes are a bit too verbose
	Usability	IDEA-218031	"Replace with 'if' statement" should be available inside lambda
	Usability	IDEA-219831	"int' literal cast to 'long' could be 'long' literal" doesn't work if the target type is boxed.
	Usability	IDEA-175539	"Raw use of parameterized class" inspection should be on by default
	Cosmetics	IDEA-219924	"@NotNull/@Nullable problems" inspection refers "Constant conditions & exceptions" as the place to edit options, but the configuration dialog is already here
	Exception	IDEA-218831	'Replace '+' with 'java.text.MessageFormat.format()'" exception on character+string concatenation
Java. Intention Actions	Feature	IDEA-216275	Provide fix for Invalid method declaration; return type required
	Feature	IDEA-216279	Suggest fix for the case "Cannot return a value from a method with void return type"
	Feature	IDEA-209924	Add Kotlin's "Put arguments/parameters on separate lines/on one line"
	Bug	IDEA-171439	Intention/quick fix showing a dialog are not proposed if to cancel the called dialog
	Bug	IDEA-218083	Put arguments on separate lines wants to process comment
	Bug	IDEA-220832	Create File intention: don't suggest generated sources root as possible target
	Bug	IDEA-217253	"Replace '+' with 'String.format()'" intention makes regular strings from text blocks
	Bug	IDEA-216450	Eliminate parentheses is available, but does nothing
	Bug	IDEA-217165	Text blocks: join concatenated string literals breaks indentation
	Bug	IDEA-218735	"Sort content" loses comment between called method name and argument list
	Bug	IDEA-220747	Create File intention: don't suggest the test roots when quickfix is called for a reference in non-test root
	Bug	IDEA-217660	Exception when joining text block with string literal ending in escaped double quote
	Bug	IDEA-219639	'Extract condition' intention loses parenthesis around disjunction
	Bug	IDEA-220955	Create File popup does not sort target directories for Spring Sql annotations
	Usability	IDEA-219189	"Split into 2 ifs" generates redundant 'else if' clause
	Java. Properties Files	Exception	IDEA-218175
Java. Refactorings	Feature	IDEA-219791	Inlining a method returning a ternary expression depending on boolean parameter could automatically simplify the expression
	Bug	IDEA-218011	"Rename" dialog is invoked for anonymous class in Structure View or Structure popup
	Bug	IDEA-218200	Invert Boolean doesn't update bitwise assignment operators
	Bug	IDEA-216460	Cannot extract expression to variable

	Usability	IDEA-215812	"Convert to functional expression" in "Extract functional parameter" should be enabled by default
	Usability	IDEA-210792	Bug : IntelliJ IDEA 2019.1 and Extract variable - Different behavior for expression enclosed within ()
	Usability	IDEA-51483	Extract Variable: does nothing on a block with invalid parentheses
Java. Tests. Cucumber	Bug	IDEA-221320	Support step definition declared with method from `io.cucumber.java8` package
Java. Tests. TestNG	Usability	IDEA-128201	No generators for @BeforeClass and @AfterClass
JavaX. AppServers. Jetty	Bug	IDEA-221766	Jetty: plugin does not recognize successful deployment if context root contains "."
JavaX. CDI	Bug	IDEA-215143	Wrong tooltip and false-positive for "Unproxyable Bean Types Inconsistency" inspection
JavaX. EJB3	Bug	IDEA-209332	Unproxyable bean types inconsistency.
	Performance	IDEA-219366	Right click in the editor while editing a stateless session bean causes huge ui freeze (JavaTestFramework.isTestClass -> EjbSuperMethodSearcher)
JavaX. JPA	Feature	IDEA-144763	JPA: Import database schema: Make Default "Mapped Type" configurable
	Feature	IDEA-220244	Show no warnings if fields in entity-classes are not initialized inside no-args constructor
	Bug	IDEA-215297	JPA/Hibernate: Import Database Schema: Generate Separate XML Per Entity action should (allow to) generate xml in the resources directory
	Bug	IDEA-203129	Disable "'Basic' attribute should not be a container" JPA rule if using @Convert annotation
	Usability	IDEA-98652	JPA: NamedQuery is marked as an error if JPA facet is not configured
JavaX. Servlets	Cosmetics	IDEA-218953	Servlet listener template has a typo in JavaDoc: "attribute"
JavaX. Web Services	Bug	IDEA-220833	Generate Java Code from WSDL disappeared on version 19.2
Plugin Development (DevKit)	Feature	IDEA-220700	plugin.xml: suppress spellchecking for EP attributes marked with @Nonnull
	Feature	IDEA-219619	plugin.xml: highlight EP/EP-attributes annotated with @ApiStatus.Experimental
	Feature	IDEA-206060	DevKit: deprecate Project Wizard
	Feature	IDEA-203877	Help to write PersistentStateComponent correctly
	Feature	IDEA-211503	Devkit: specifying ApiStatus.ScheduledForRemoval without Javadoc
	Feature	IDEA-219724	Devkit: support <projectListeners> (2019.3+)
	Bug	IDEA-217183	DevKit: PluginXmlDomInspection should not request icon from implementation-dependent plugins
	Bug	IDEA-217581	Devkit plugin.xml I18N: take into account all ConfigurableEP/InspectionEP classes
	Bug	IDEA-221095	Devkit: resolve EPs when used via xinclude or <depends>
	Bug	IDEA-219140	Devkit: support <applicationListeners> (2019.3+)
	Task	IDEA-221351	Devkit: include 'com.intellij.modules.platform' dependency by default in plugin.xml templates
	Task	IDEA-216155	@ScheduledForRemoval: inspection that warns if API marked with SFR must already be removed
Plugin. Markdown	Cosmetics	IDEA-221369	Make grayscale antialiasing the default in Markdown preview
Plugin. Shell Script	Bug	IDEA-218250	Can't define working directory for ShellConfigurationType
	Bug	IDEA-219544	shell script format problems with locale

	Bug	IDEA-219427	Shell Script command appended to current Terminal command line
	Bug	IDEA-221031	Shell script removes '/' slash from execution command
	Bug	IDEA-215936	Shell Plugin :: Tab Size In Editor Doesn't Match Size Configured In Settings
	Bug	IDEA-220421	Java classes are suggested in completion popup
Plugin. Task Management	Bug	IDEA-207486	[Task Management] the task dropdown in the toolbar is disabled for the newly ac server in the fresh IDE installation
Plugin. Terminal	Feature	IDEA-116253	font zooming does not work in terminal tool window
	Bug	IDEA-219379	Terminal sessions are lost on every major update
	Bug	IDEA-180204	Terminal output garbled after specific file has been printed out
	Bug	IDEA-220774	Terminal failed to start on Windows (blocked by antivirus)
	Bug	IDEA-219599	2019.2 JBTerminal throws java.lang.Throwable: Directory index may not be quer for default project
	Exception	IDEA-163345	"Could not set clipboard: cannot open system clipboard" (#171.584)
Plugin. TextMate Bundles	Bug	IDEA-220816	TextMateServiceImpl fires file type changed event every time on startup
	Bug	IDEA-219004	'Install' php script files without extension are not registered as PHP files with textmate enabled
Plugin. Thymeleaf	Bug	IDEA-218561	Thymeleaf anchor links with literal substitution are not recognized
Plugin. YAML	Feature	IDEA-212876	Made an option to disable (or change) key sequence paste feature
Services	Bug	IDEA-220601	Services: text in speed search popup is red even if the tree contains matched no
	Bug	IDEA-220472	Services View: for the Compound Run Configuration Debug is disabled
Services. Clouds	Feature	IDEA-220275	Show Heroku, CloudFoundry, Google App Engine in Services tool window
Services. Password Management	Bug	IDEA-216476	Keyring returns null instead of unlock request
Services. SSH	Bug	IDEA-220081	SSHJ: Hash hosts in known_hosts file setting ignored
User Interface	Feature	IDEA-203207	Touch Bar: Options on the Touch Bar should be filtered when searching in popup
	Feature	IDEA-101757	Copy status message to clipboard
	Bug	IDEA-218342	IDEA crash on a dropdown filtering
	Bug	IDEA-221233	Smooth mouse wheel scrolling mishandles some burst scroll events on Windows
	Bug	IDEA-220046	Editor tabs: editor tabs icon jumps down on tabs layout changed
	Bug	IDEA-217907	Error message in status bar is truncated
	Bug	IDEA-221491	Tab placement none doesn't work with table layout
	Bug	IDEA-221755	Project opened from fullscreen is windowed
	Bug	IDEA-218782	'null' user account name when trying to sync settings on freshly installed IDEA
	Bug	IDEA-215943	Expand button for "No proxy for" field insert spaces instead of commas
	Bug	IDEA-219479	New License Dialog: Show error message in bottom part
	Bug	IDEA-204463	Touch Bar: Items in "Add to Favourites" list disabled in IDEA UI are not disabled the Touch Bar
	Bug	IDEA-216347	Tabs in color themes: ToolWindow.HeaderTab.underlinedTabForeground / underlinedTabInactiveForeground don't work
	Bug	IDEA-221112	Incorrect text painting in goto class
	Bug	IDEA-216341	Tabs in color themes: ToolWindow.HeaderTab.hoverBackground is applied incorr to an inactive tool window tab

	Bug	IDEA-220057	NPE in NotificationsManagerImpl.findWindowForBalloon
	Bug	IDEA-218080	"Open Project" dialog does not appear if opening a project via "Open Recent" ma menu
	Bug	IDEA-218687	Select the only plugin on the right on search
	Bug	IDEA-220663	Empty frame when project is opened in current window
	Bug	IDEA-221330	Tabs painting artefacts after disabling tabs
	Bug	IDEA-220729	"Open" project link doesn't work on Welcome screen
	Bug	IDEA-207914	Validation message doesn't fit explanation text
	Bug	IDEA-221532	"Recent Files" list flickers on hovering
	Usability	IDEA-219185	New License dialog: Wrong dialog size
	Usability	IDEA-55081	Allow date format customization
	Usability	IDEA-18213	MacOSX: Use Cmd+Enter instead of Ctrl+Enter
	Usability	IDEA-119140	"Find in path" dialog missing tabstop for "File mask(s)" checkbox
	Usability	IDEA-211035	Tabs Placement: None should affect only tabs visibility
	Usability	IDEA-104317	Javadoc with images using the data: scheme are shown as broken images.
	Usability	IDEA-218869	New error tooltip with action is hard to use for multi-line error
	Usability	IDEA-76396	Make MouseWheel scrolling smooth
	Usability	IDEA-217044	Better wording for "Autoscroll to source", "Autoscroll from source" and "Scroll to source"
	Cosmetics	IDEA-221352	"Multiple libraries contain the file" text doesn't fit the popup header
	Task	IDEA-216075	Convert New File action to the same popup design as New Class
	Task	IDEA-216355	Debugger: do not underline tab if there is only one tab in a group
	Task	IDEA-215788	Remove group headers where they are not needed (in Preferences)
	Exception	IDEA-198352	"java.lang.Throwable: null topic; dialog=class" after invoking "Context help" ("He button, F1) in a dialog with no help available
	Exception	IDEA-216781	Exception occurs on opening Spelling tab in Settings
User Interface. Action System	Bug	IDEA-220573	It takes a long time for context menu to appear when right-clicking on 1000 files directory
	Usability	IDEA-218224	Request: always offer "show in explorer" when it's a file in the file system
User Interface. Controls	Bug	IDEA-215218	[Debugger tabs] all tabs are opened after IDE restart with Undocked view mode
	Bug	IDEA-218270	Toolwindows in 'Window' mode are hardly accessible
	Cosmetics	IDEA-214806	"JRE" combobox is cut in Maven Runner Settings
	Cosmetics	IDEA-215220	[Debugger tabs] add a tooltip to the icon under which all tabs options are shown
	Cosmetics	IDEA-215252	Git Login window — the width of Username and Password fields is not equal
User Interface. Find, Replace, Usages	Bug	IDEA-191582	FindInPath & ReplaceInPath: Regexp: incorrect behavior in case of malformed replacement string
	Bug	IDEA-166862	Find/Replace: Do Refactor button disappears
	Bug	IDEA-202674	IntelliJ froze after trying to open result from find in path dialog
	Bug	IDEA-173424	Find in Path results sorting in random order
	Bug	IDEA-214836	IDE freezes in "Find in path" while scrolling through found files
	Bug	IDEA-172063	find in path preview hides file extension if filter mask is set, even if several extensions are allowed
	Usability	IDEA-56579	Find Usages dialog could preserve option values
User Interface.	Bug	IDEA-221394	Focus is lost when switching project using "Recent projects"

Focus	Usability	IDEA-211276	Refactoring preview "Do Refactor" cannot be handled from keyboard because it c not gain focus
User Interface. Keyboard Input	Bug	IDEA-216141	Typing Alt+Letter is broken on macOS in IDEA 2019.2 because of a mnemonic related issue
	Bug	IDEA-220414	"Jump Outside Current Bracket/Quote" does not work with Emacs Tabs
User Interface. Look and Feel	Bug	IDEA-221356	"Cannot set High contrast theme" error on attempt to set High contrast theme
	Usability	IDEA-219108	Checkboxes for plugins are right next to scrollbar, leading to frequent operator e
User Interface. Navigation	Bug	IDEA-220990	Configuration 'Use "CamelHumps" words' does not appear in 'Find Action...' wind
	Bug	IDEA-217470	Next enabled option will be selected if disabled one was called from keyboard
	Performance	IDEA-217855	Go to Action: don't init all configurables on EDT
	Usability	IDEA-220792	"Recent Files" popup no longer remembers it's dimensions
	Task	IDEA-217686	Not clear what In-place Descriptions menu item means
User Interface. Project View	Usability	IDEA-85947	Need to rename "synchronize" context menu item
Version Control	Feature	IDEA-178283	Add 'Copy as Patch to Clipboard' to the Shelf view
	Feature	IDEA-218460	Browse Repository At Revision: support Annotate
	Feature	IDEA-212693	Support Issue Navigation from annotate/blame commit tooltips
	Feature	IDEA-220779	Add recent commit messages into completion list
	Feature	IDEA-73223	More completions in commit message editor. Not only for file names, but method/field names, etc.
	Bug	IDEA-221637	Unversioned files selected in "Local Changes" are not checked by default in comm dialog on "Commit Project" invocation
	Bug	IDEA-216607	Undo in the editor removes checkbox in the commit pane
	Bug	IDEA-221627	Non-modal commit: Checked unversioned files are unchecked on Ctrl + K
	Bug	IDEA-184345	Regression - Git Branch Spacebar Functionality
	Bug	IDEA-220599	Import Patch into Shelf broken
	Bug	IDEA-215930	Rewording commit by shortcut (F2) invokes edit changelist dialog instead reword dialog
	Bug	IDEA-217856	Find action: "Changelists: Enable changelist conflict tracking" cannot be enabled does not exist in settings
	Bug	IDEA-218842	Diff In Commit-dialog: In Unified View the first chunk is not in focus on dialog opening
	Bug	IDEA-210224	Synchronous execution on EDT: unshelveChangeList on Update Project
	Bug	IDEA-218809	"Paths Affected in Revision" window is not shown anymore if to close the underly diff
	Bug	IDEA-221535	Non-modal commit: Commit button in not getting enabled when only unversione files selected
	Performance	IDEA-218483	ChangesViewManager may load it's state lazily
	Usability	IDEA-216488	Do not show "View 0 commits" after unsuccessful update with conflicts on rejecte push attempt
	Usability	IDEA-216362	Non-modal commit: on Git commit invocation for some file it should ecome not checked but also selected in the LocalChanges
	Usability	IDEA-207787	Silent Unshelve silently ignores a file if it doesn't match the base
Usability	IDEA-218356	could you please stop popping annoying "Adding file to VCS" messages	
Cosmetics	IDEA-221406	Typo in "Project from Version Control"	
Task	IDEA-217302	Remove "VCS History Cache Settings" panel from "Version Control" -> "Backgrou settings	

	Task	IDEA-217255	HierarchicalFilePathComparatorTest is in different package than testee
	Exception	IDEA-217482	Synchronous execution on EDT on "Fix and Commit" on commit line separators
Version Control. Git	Feature	IDEA-168476	git interactive rebase: Add "drop" option
	Feature	IDEA-173936	Smart checkout could use shelf instead of stash
	Feature	IDEA-164356	Let push a branch which is not current branch
	Bug	IDEA-170401	Canceled Commit task reports that the file has been committed while it has not
	Bug	IDEA-217569	Rename selected branch from Branch Popup do not affect repos which contain the branch as current
	Bug	IDEA-220998	Cherry-pick without dialog doesn't synchronize file system changes to the VFS
	Bug	IDEA-217242	Git hooks don't run unless you open "Commit Options" popup
	Bug	IDEA-217872	Changing the Update Info Filter in the Settings doesn't activate the "Apply" button
	Bug	IDEA-210229	Wrong baseline for branches statusbar widget
	Bug	IDEA-216931	Use consistent sort order for Version Control > Shelf and Diff window
	Bug	IDEA-220504	Git Pull is broken because missing some GitBundle properties
	Bug	IDEA-199498	3-way merge shows wrong hash of incoming commit during interactive rebase.
	Performance	IDEA-220438	Don't use reflection to read git config via ini4j
	Usability	IDEA-149015	Rename "Git Revert" action to avoid confusion with `git revert` command
	Usability	IDEA-220048	Add a setting to select Shelf or Stash as a preferable method to preserve local changes
	Usability	IDEA-81532	Git: cannot force add a file which is on .gitignore list
	Usability	IDEA-152791	File with reverted staged changes is highlighted as changed (blue)
	Cosmetics	IDEA-221703	Tag dialog: change tooltip text on Validate button
	Cosmetics	IDEA-221248	Typo in the description of interactive rebase.
	Exception	IDEA-221695	Throwable at org.jetbrains.git4idea.ssh.GitXmlRpcHandlerService.getXmlRpcPort
Version Control. Local History	Usability	IDEA-73911	Implement user-friendly method toString in class com.intellij.history.core.revisions.RecentChange
	Cosmetics	IDEA-195993	Recent Changes dialog needs some spacing
	Cosmetics	IDEA-220623	Recent Changes dialog design
Version Control. Log	Bug	IDEA-209131	If the project name contains an underscore '_', the underscore does not appear in the Log Paths combobox.
	Bug	IDEA-219575	memory leak
	Performance	IDEA-217125	Git log component update is very slow
	Performance	IDEA-217010	VcsLogManager leaks project
	Usability	IDEA-193806	Display errors which affect displayed information in the Log
Version Control. Mercurial	Bug	IDEA-220350	Push commits dialog (mercurial): should enter remote URL on every push
	Usability	IDEA-73341	Mercurial: allow adding ignored files
Version Control. Subversion	Performance	IDEA-219881	Performance improvement in SVN operations
Version Control. TFS	Cosmetics	IDEA-215448	Add Items to TFS window - there is no "NO" option. Should be either both (text and button) No or Cancel
No subsystem	Feature	WEB-39636	Intention action to convert nested calls to a pipe expression and vice versa
	Bug	WEB-40777	Run anything: yarn is not shown in the list of available commands
	Bug	WEB-40027	Incorrect "variable initializer is redundant" message

	Bug	WEB-38017	Red code is generated when creating a new variable inside `for` content
	Performance	WEB-17638	Joining Lines works extremely slow
Build tools	Bug	WEB-40782	'Run Anything': List scripts from package.json when typing `npm` or `yarn` regardless what tool is set in preferences
CSS	Bug	WEB-35236	Import of css files with webpack aliases is not resolved in case of '@import url()'
	Bug	WEB-37978	Webpack aliases not resolved in URLs in CSS properties
	Bug	WEB-40898	CSS padding property hint auto is invalid
CoffeeScript	Bug	WEB-34310	CoffeeScript: "Change signature" refactoring doesn't work
Dart	Feature	WEB-40331	Add folding for `group` and `test` functions in Dart
	Bug	WEB-40938	Un-named extension methods in Dart not showing well in Structure view
	Task	WEB-40831	Add support for extension methods
Debugger	Bug	WEB-41007	Can't debug node.js - get error 'URI is not hierarchial'
	Bug	WEB-38477	Debugging with "js.debugger.use.node.options" fails if path to TEMP directory contains non-ASCII characters
	Bug	WEB-40694	Debugger doesn't stop on a breakpoint in Kotlin/JS project
	Bug	WEB-13411	Node.js: can't set value in debugger
	Bug	WEB-36471	WebStorm Debugger variable set value error.
File Watchers	Feature	WEB-36668	Allow enabling global file watchers for all new projects
	Bug	WEB-40636	Strange intention actions: just 'Yes' and 'No'
	Bug	WEB-29424	Race condition between saving file and file watcher execution
	Cosmetics	WEB-40053	File Watchers: column header in Settings is not fully visible
JSON	Bug	WEB-40927	Editor is breaking JSON syntax when inserting new line after key-value pair
JavaScript	Feature	WEB-40404	Extract single property from object as a shorthand property, not as spreadElement
	Feature	WEB-2089	Implement AMD declaration linking
	Feature	WEB-32472	Validate duplicate ES6 exports in JS
	Feature	WEB-40240	Suggest awaited items in code completion for promises
	Feature	WEB-38784	Support Promise.allSettled
	Bug	WEB-40192	Quick fix: Joining variable declaration adds redundant indent for a comment
	Bug	WEB-40662	Intention: Incorrect replacing const with let in for-of loop
	Bug	WEB-40655	Duplicate 'Simplify' items in Alt+Enter for conditional
	Bug	WEB-38545	Invalid highlighting for JS Classes after including via require
	Bug	WEB-40009	JSDocs and Promise all not working
	Bug	WEB-40492	Unicode code points are not supported in JS identifiers
	Bug	WEB-39441	CommonJS: completion for exported symbols when using const {freeze} = Object module.exports = freeze({})
	Bug	WEB-40659	Intention "Extract increment" in for loop generates invalid code
	Bug	WEB-38392	False 'unused definition' when re-defining a property initialized in constructor
	Bug	WEB-30569	ES6 classes: Generated code doesn't take comments at the end of the class into account
	Bug	WEB-38677	JSDoc: wrong type mismatch errors when using function type with IIFE
	Bug	WEB-40285	'Split into declaration and initialization and move to scope start' duplicates variable initialization in for-in loop
	Bug	WEB-28080	Extends ES5 classes with ES6 classes is not supported

	Bug	WEB-40393	'Create Directory/File' fixes don't work with relative paths in 2019.3
	Bug	WEB-40100	Merge 'simplify' intention and inspection
	Bug	WEB-28204	'Create variable' quick-fix shown when not applicable (in variable type annotator)
	Bug	WEB-36461	Double `flip if-else` results in double parenthesis
	Bug	WEB-38679	Type mismatch inspection incorrectly matches JSDoc type expression with destructuring parameter
	Bug	WEB-39875	JS Intentions: JS: Converting arrow function to anonymous function breaks on II
	Bug	WEB-40194	Quick fix: Joining variable declarations with export removes export
	Bug	WEB-40637	Replace with indexer access produces malformed code in HTML context
	Bug	WEB-40538	Exception when file has several default exports
	Bug	WEB-36802	'Safe delete parameter' should check for usages inside function and show conflict dialog
	Bug	WEB-21935	Wrong highlighting for 'del' word in gulpfile.js
	Usability	WEB-40096	Quick Fix: JS/TS: "Join Concatenated String Literals" duplicates the functionality "Compute Constant Value "
	Usability	WEB-40195	Quick fix: Improve availability of 'Quote/Unquote property names' after lbrace ar for commas
	Task	WEB-40821	Enable type hints by default for function parameters
	Task	WEB-40421	Support having decorators after the 'export' keyword
JavaScript. Formatter	Bug	WEB-38347	Formatting unindents comments in braceless ifs
	Bug	WEB-40497	TypeScript - when 'function declaration parameters' wraps the parameters it unnecessarily wraps lambda function passed as a argument
	Bug	WEB-13538	Wrong indent for comments in chained function calls
	Bug	WEB-38291	Reformat Code (Ctrl + Alt + L) deletes empty space between curly brace and 'frc keyword
	Bug	WEB-28301	Formatter: support Rearrange Code action inside script tag
	Bug	WEB-39888	Formatter does not respect TypeScript code style settings for VueJS components using typescript in <script> tag.
JavaScript. Frameworks	Bug	WEB-31785	React: `props.<props_name>` not resolved unless there is explicit `propTypes` declaration
JavaScript. Inspections	Feature	WEB-40156	Add inspection when using trailing commas in destructuring/ functions with rest parameters
	Feature	WEB-40394	Duplicate declaration inspection for export (specifiers/aliases)
	Bug	WEB-39775	"const variable without initializer" from assigning PHP to inline JS
	Bug	WEB-24660	unresolved file name quickfix cannot create file inside not existed folder
	Bug	WEB-32373	False positive on redundant escape characters inspection in regular expression b from template string
	Bug	WEB-27499	'var to let/const' produces invalid result in 'for' loop
	Bug	WEB-39843	Quick fix: JS : Converting a function and its member declarations to a class caus exception
	Bug	WEB-40911	False 'missing await' for async generators
	Bug	WEB-29134	"unused local-variable/constant" inspection shouldn't provide a quick-fix for requ loop variable
	Task	WEB-39873	Intention actions "Merge Parallel For Loops" and "Merge Parallel For-In Loops" - either rethink, or remove
JavaScript. Refactoring	Feature	WEB-38972	Quick-fix: Convert const to let. remove readonly modifier
	Feature	WEB-40033	Add an intention action to add a template string argument

Bug	WEB-31704	'Extract method' for generators should extract generators when possible with updating usages to 'yield * newFunc()'	
Bug	WEB-37033	Typescript: in case of return type mismatch, quick fix should update the whole class hierarchy	
Bug	WEB-25137	WebStorm allows to extract variable with breaking the operator precedence	
Bug	WEB-39368	'Introduce variable' is available on invalid selection and breaks code	
Bug	WEB-40919	Extracting a generator method from a field assigned to a generator breaks code due to ASI not allowed	
Bug	WEB-40910	'Introduce parameter' shouldn't work with the yield expressions	
Bug	WEB-40959	Inappropriate suggestion to replace string with template string inside flow/typescript type declaration	
Bug	WEB-39717	Extract variable, Template literal: expression in selection breaks result	
Bug	WEB-37162	'Introduce local variable' produces red when invoked in 'export default' with decorators	
Bug	WEB-39719	Extract variable: opening/closing quote in selection breaks result	
Bug	WEB-7439	Extract JavaScript variable fails if using multiple declarations chained in a single statement	
Bug	WEB-40957	Invalid result of 'Introduce variable' when react function returns parenthesized HTML	
Bug	WEB-39798	'Change signature' should handle arrow functions in class hierarchy	
Bug	WEB-38409	'Introduce parameter' shouldn't suggest anonymous callback scope	
Usability	WEB-39973	Refactoring: JS(ES5): 'Superclass' and 'Field' shouldn't be available to choose from "refactor"	
Usability	WEB-39729	WebStorm doesn't detect labels when refactoring	
Usability	WEB-17564	Refactoring: Extract variable: empty line is added on switching between radiobuttons inside popup	
Cosmetics	WEB-39913	Replace word "lvalue" in warning message about the variable usage on the left side	
Linters	Bug	WEB-39960	Mark modified (*) keep showing after save with ESLint
Node.js	Bug	WEB-40907	Rider: Scripts from package.json are not shown in 'Run anything' dialog
	Exception	WEB-40124	Node.js Remote Interpreter: Vagrant: Throwable: Synchronous execution under ReadAction
Pug (ex-Jade)	Bug	WEB-21974	jade: unbuffered javascript code not correctly indented
SASS	Bug	WEB-40236	@import in SCSS states in can't be found in the IDE - but its there and also it compiles
	Bug	WEB-36975	SCSS: Webstorm incorrectly reports "mismatched property value" error if function called `!()`
	Bug	WEB-40457	SASS "includePaths" in angular.json is not recognized when using Angular workspaces
TypeScript	Feature	WEB-40032	TypeScript: provide quick fix to insert/remove type arguments
	Feature	WEB-36148	TypeScript: new quick fix 'Add "jsx": "react" to tsconfig.json'
	Feature	WEB-40231	TypeScript: quick fix to enable allowSyntheticDefaultImports/esModuleInterop
	Feature	WEB-40531	Duplicate declaration for default exports.
	Feature	WEB-40793	Default type parameters should be omitted
	Feature	WEB-40667	Enable duplicate declaration for type parameters
	Feature	WEB-40352	TypeScript: provide quick fix to insert/remove type arguments for extends/implements case
	Bug	WEB-40657	TypeScript. Insert type arguments completion handler
	Bug	WEB-40436	Field refactoring doesn't pick usage

	Bug	WEB-38395	False positive 'method will not be accessible' when changing visibility of class member in namespace
	Bug	WEB-40922	TypeScript: incorrect smart cast to never
	Bug	WEB-35889	Change signature throws exception when parameter is not described in JSDoc
	Bug	WEB-37898	Literals from switch-cases typed by an enum should have references to their source values
	Bug	WEB-40454	"Add braces to arrow function" should not prepend return if method is void
	Bug	WEB-40897	Incorrect "prototype" property in the static type of an enum
	Bug	WEB-40966	Higher-order type inference fails for mapped types
	Bug	WEB-41003	TypeScript: incorrect error message for incompatible members
	Bug	WEB-32227	TypeScript: show error on initializing optional parameters
	Bug	WEB-40903	TypeScript: false positive type-checking error (and wrong navigation)
	Bug	WEB-40908	False positive symbol assignment
	Bug	WEB-40928	False positive type checking error with optional properties
	Bug	WEB-40935	TypeScript: incorrect type inference when we pass optional parameter to a method
	Bug	WEB-40914	TypeScript: Property optionality is not processed in some cases
	Bug	WEB-34084	Suggestions incomplete for React components when there is an Omit (Pick and Exclude) structure in the type hierarchy
	Bug	WEB-40449	@internal not suggested as JSDoc comment
	Bug	WEB-40864	Overloads don't work after re-exporting
	Bug	WEB-39652	Refactor inferred params
	Bug	WEB-40660	TypeScript. Fix failed if one of the parameters has extends/keyof word
	Usability	WEB-40275	Misleading error message: parent tsconfig.json not found
Unit Tests	Bug	WEB-40585	`Rerun failed tests` runs successful tests under failed group (describe)
	Bug	WEB-40351	Highlight failed line in the test for shorthanded properties
Navigation & Search	Usability	DBE-8875	Show files in "Attached Directories" by default when pressing Ctrl+Shift+N (Go to Files)