PhpStorm Workshop

Maarten Balliauw
Technical Evangelist

maarten.balliauw@jetbrains.com

Before we start

Make sure you have PhpStorm 7.1 installed
  either full or free trial from http://jetbrains.com/phpstorm

Make sure you have a PHP runtime, webserver, MySQL, for example
  XAMPP (Windows) - http://bit.ly/phpstorm-xampp
  MAMP (Mac OS X) - http://bit.ly/phpstorm-mamp

Make sure you have git command line

JetBRAINS

Who am I?

Maarten Balliauw

Belgium (Antwerp)

Technical Evangelist, JetBrains

Focus on web

- ASP.NET MVC, Windows Azure, PHP, API's, ...

Big passion: cloud (Windows Azure)

http://blog.maartenballiauw.be

@maartenballiauw

azug.be

MVP Microsoft Most Valuable Professional

ASP INSIDERS

JetBRAINS

How it all works

This course covers PhpStorm 7.1

- But most is applicable to earlier versions

There will be some theory

- And some practice

We will not cover every knob and bolt

I talk a lot, shut me up

Do ask questions!

JetBRAINS

Keyboard shortcuts

PhpStorm features multiple keymaps

Defaults per platform 

Other IDEA-based IDE's use a similar keymap

Cheat sheet: http://bit.ly/phpstorm-shortcuts

JetBRAINS

Agenda

- Look at the IDE
- Navigation
- Editing
- Inspections
- Live Templates
- Refactoring
- Debugging
- Todo Explorer
- Unit Testing
- Version Control
- Databases
- Deployment
- Tools
- Plugins

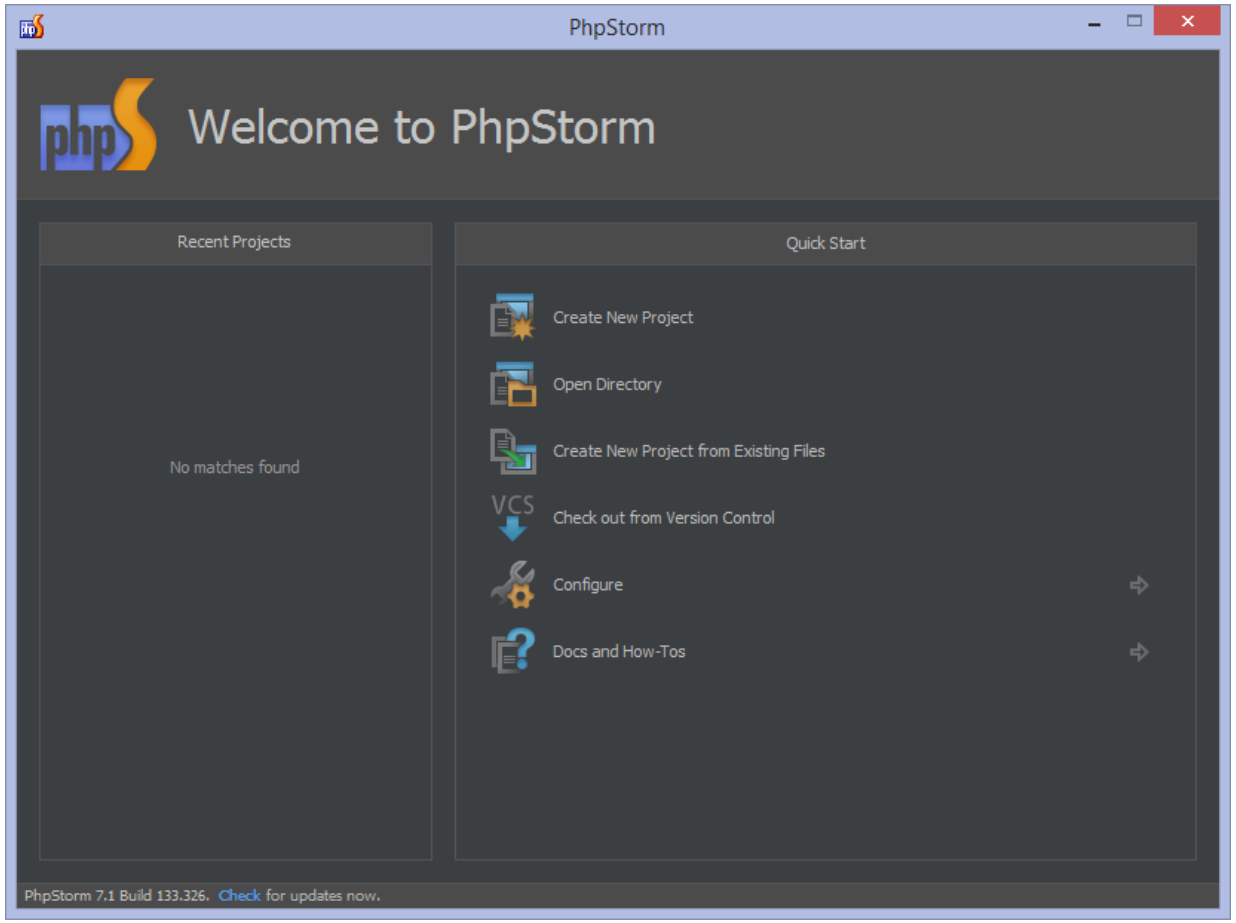
JetBRAINS

Look at the IDE

Newly installed IDE

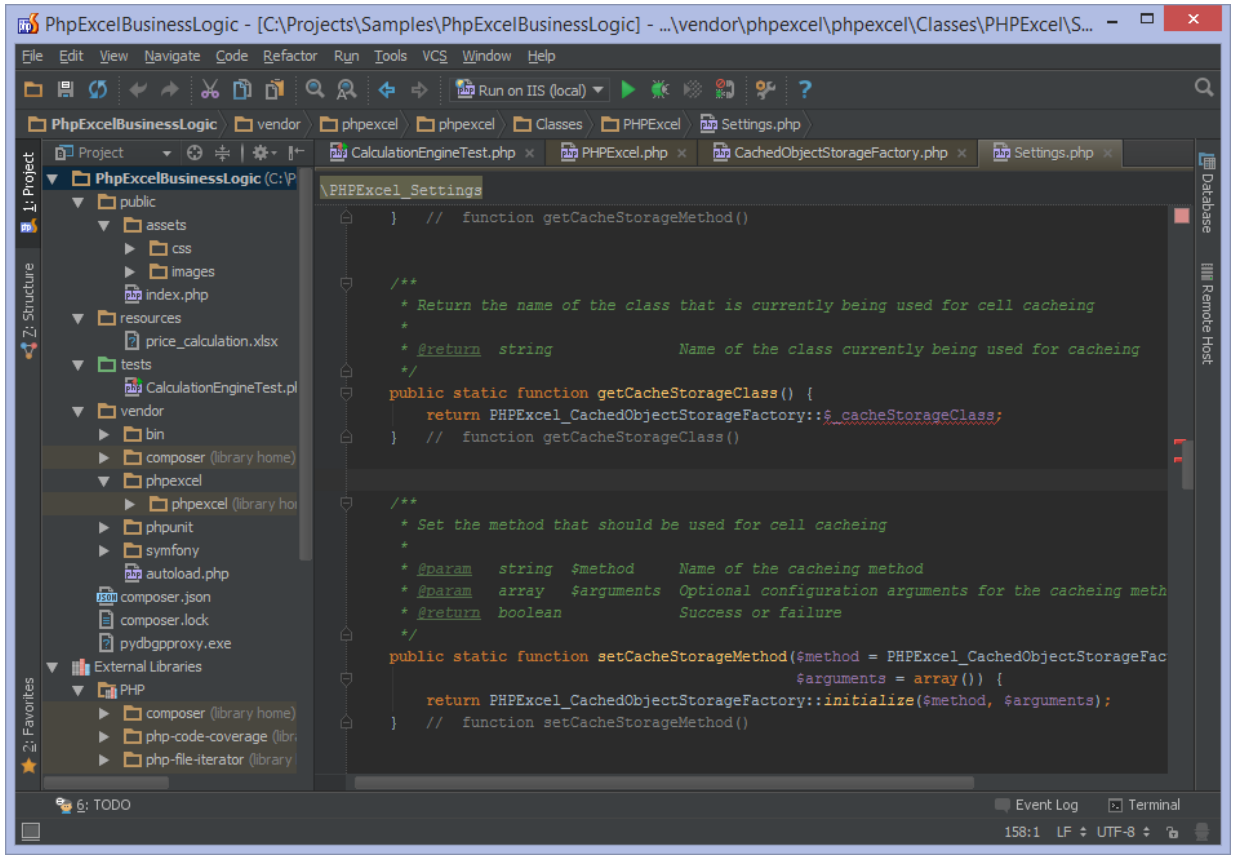
Welcome screen
- Create project
- Open project
- Checkout from version control
- Configuration

Project? The basis for coding assistance, bulk refactoring, coding style consistency, etc.



Opened project

- Menus and toolbars
  - Execute various commands
- Navigation bar
  - Navigate through project
- Status bar
  - Information about IDE and project
- Editor
  - Where coding happens
- Tool windows
  - Numerous helpers (e.g. database, TODO, ...)



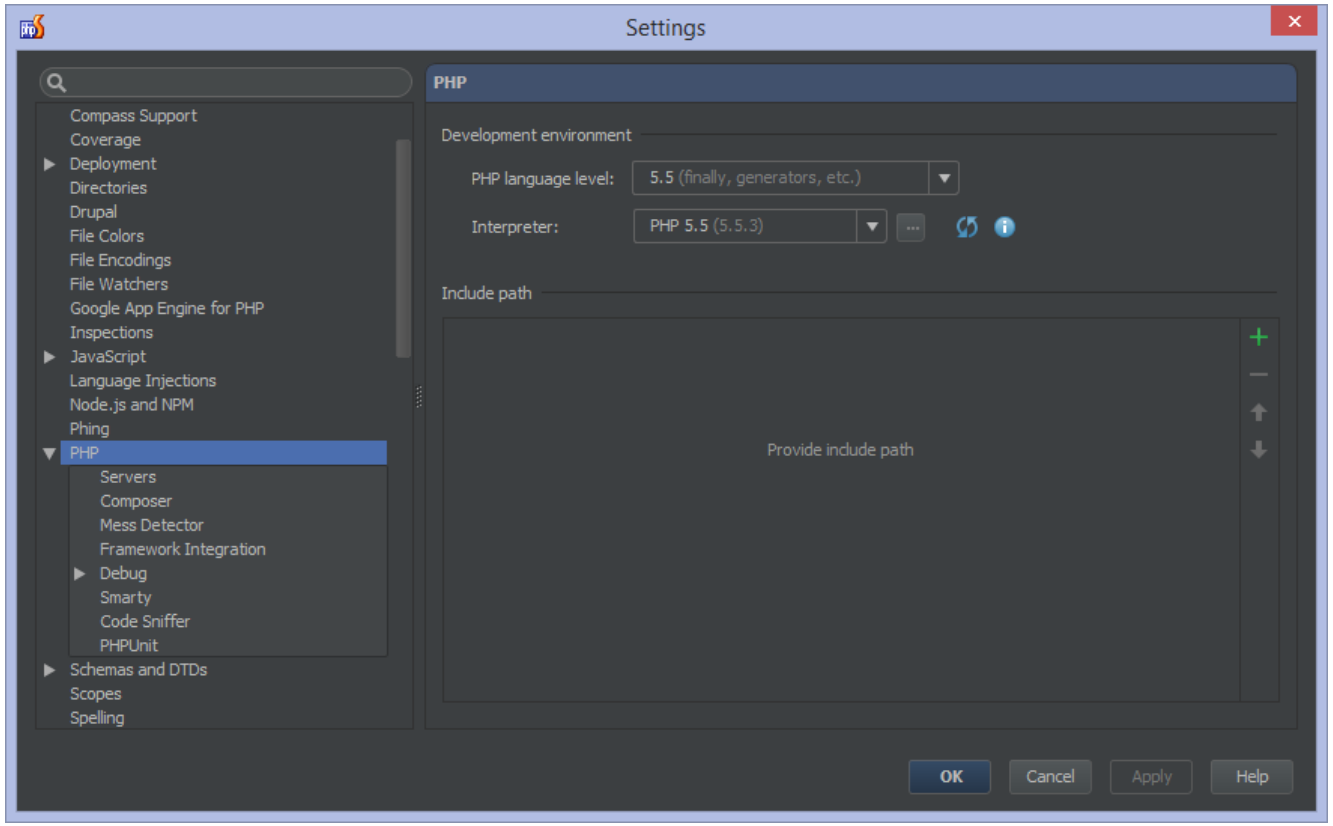
Configuring PHP

Under Project Settings | PHP, set PHP options.

- Language level
- Interpreter
- Include paths
- Debugging
- ...

Ctrl+Alt+S

Command+,



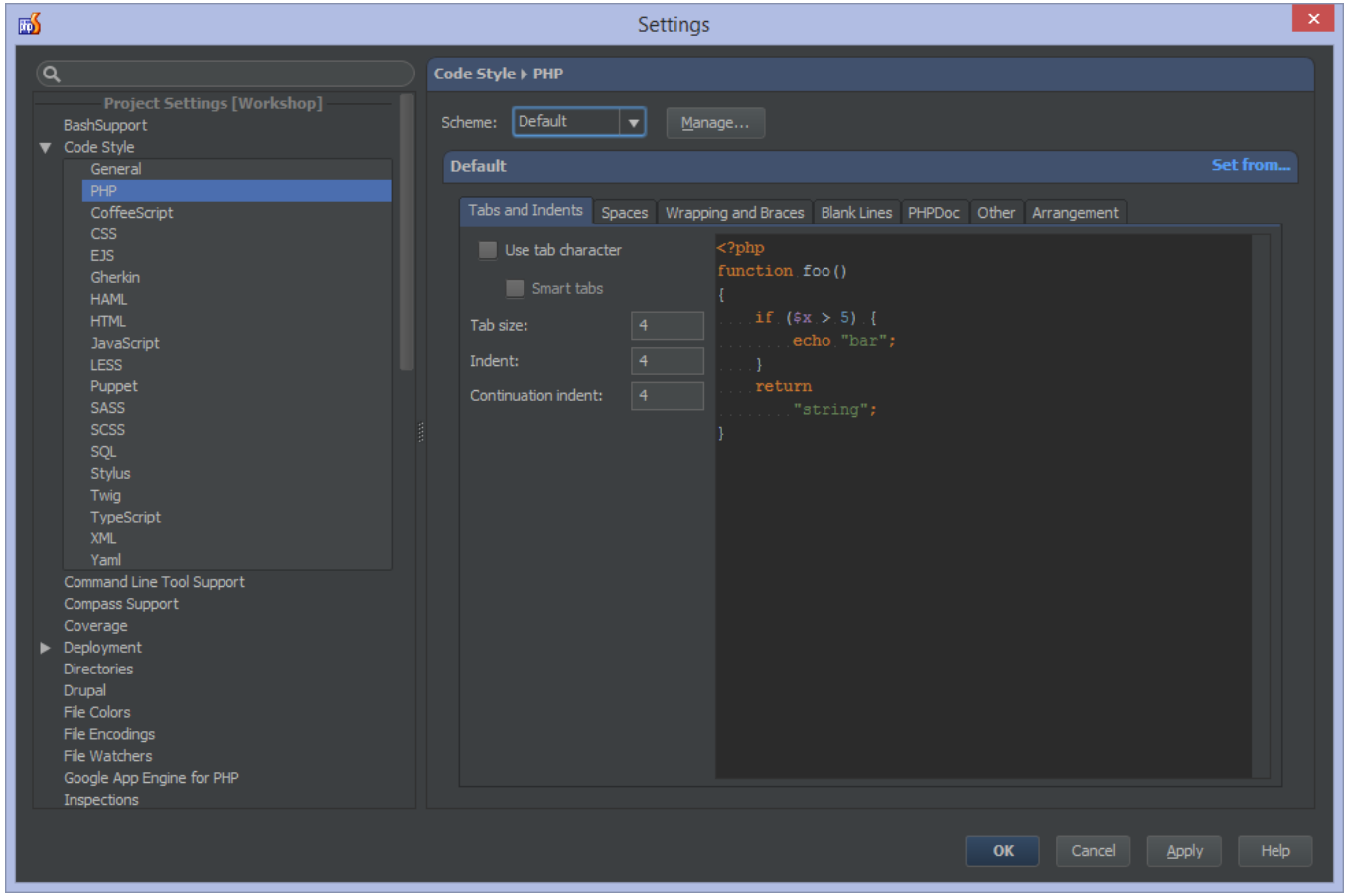
Configuring PhpStorm

Project settings

Specific for current project

IDE settings

Global for all projects



Ctrl+Alt+S

Command+,

Tabs

Open a document each

Navigate between tabs

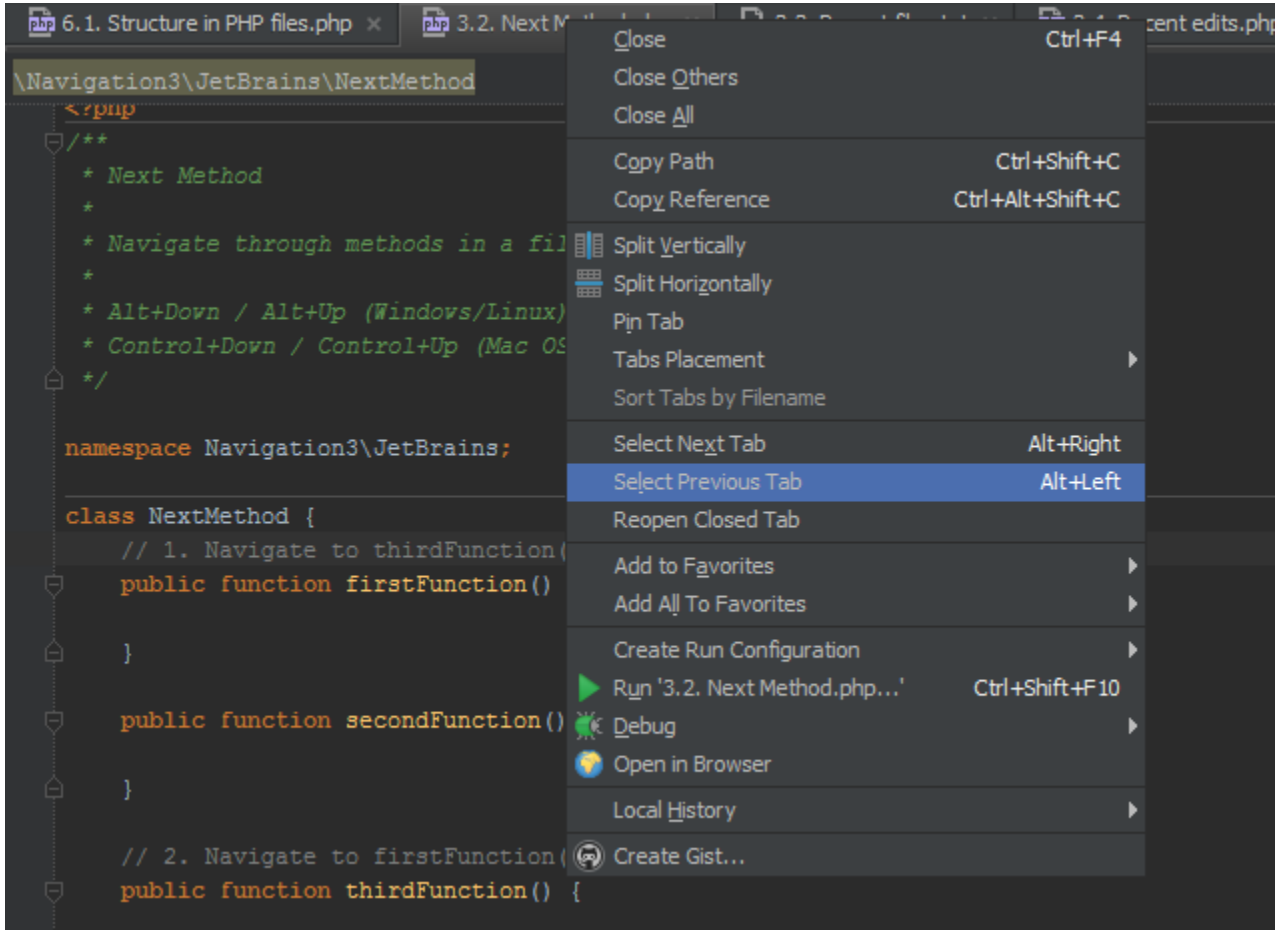
Pin tab

Split editor

Tabs can be favorited

Alt+Left / Right

Command+Alt+Left / Right



Let's fetch the workshop materials

Start PhpStorm and if a project is opened, close it

Create a new project, name it "Workshop" and select the "Composer project" type

Find the "jetbrains/phpstorm-workshop" package and click OK

Alternatively, use "Checkout from Version Control"

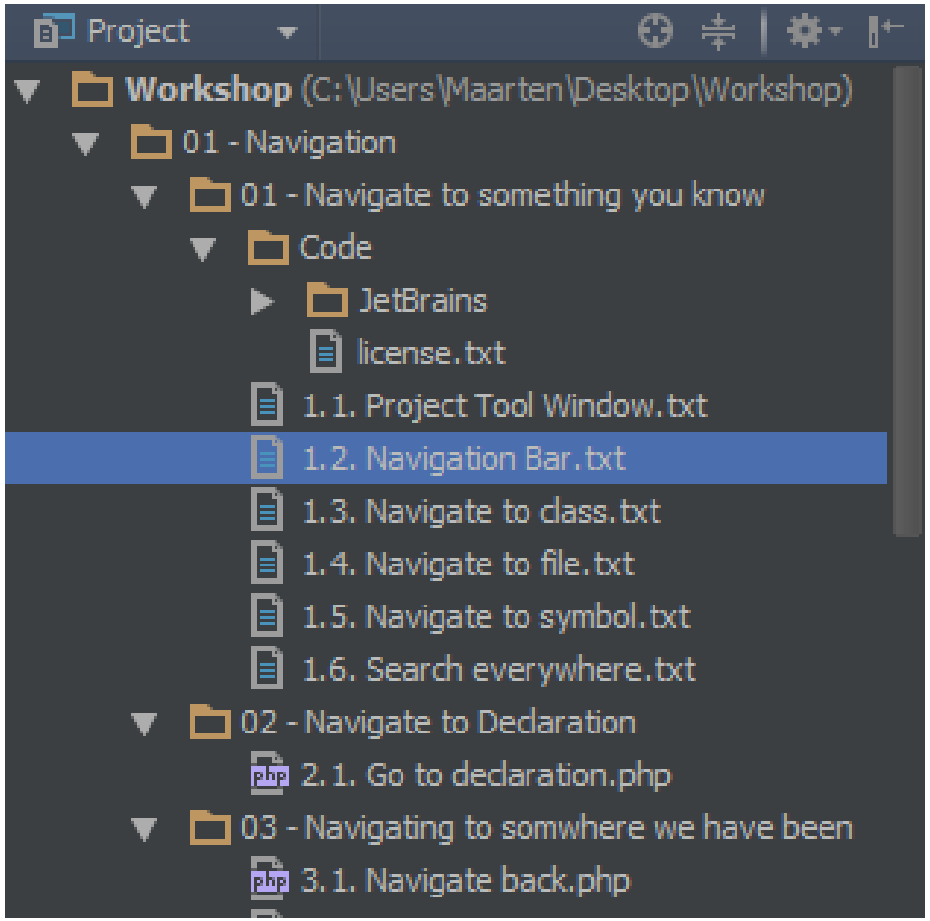
Repository: https://github.com/maartenba-demo/phpstorm-workshop.git

Project / directory name: Workshop

Navigation

Project Tool Window

Shows all files in project.



Alt+1

Command+1

Navigation Bar

Navigate through files in project.

- Left/Right navigates path.
- Up/Down opens other node in path.

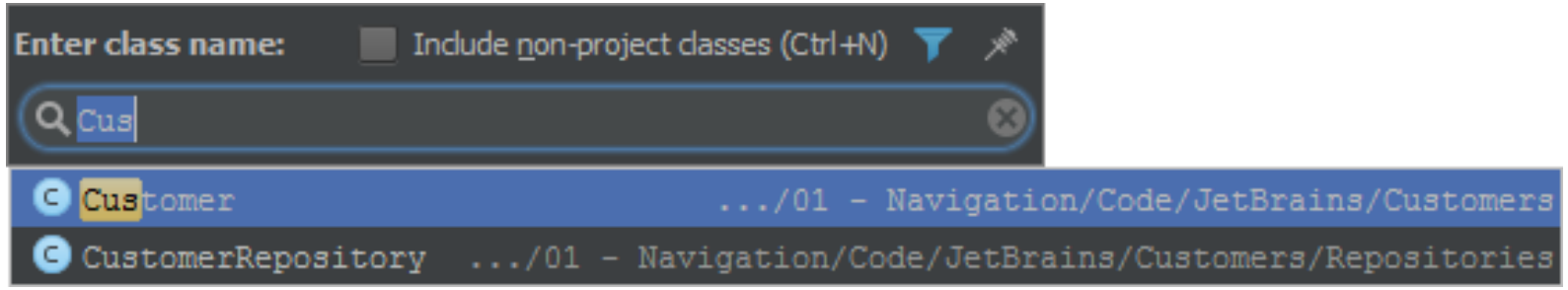
Alt+Home

Alt+Home

Navigate to Class

Navigates to a given class

- can be in PHP or any other language supported by PhpStorm
- use CamelHumps / wildcards



Ctrl+N

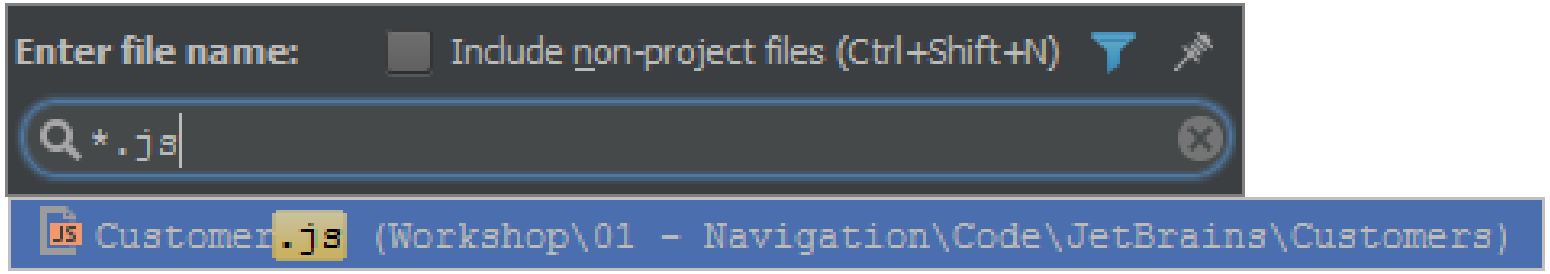
Command+O

Navigate to File

Navigates to a given file

any file type

use CamelHumps / wildcards



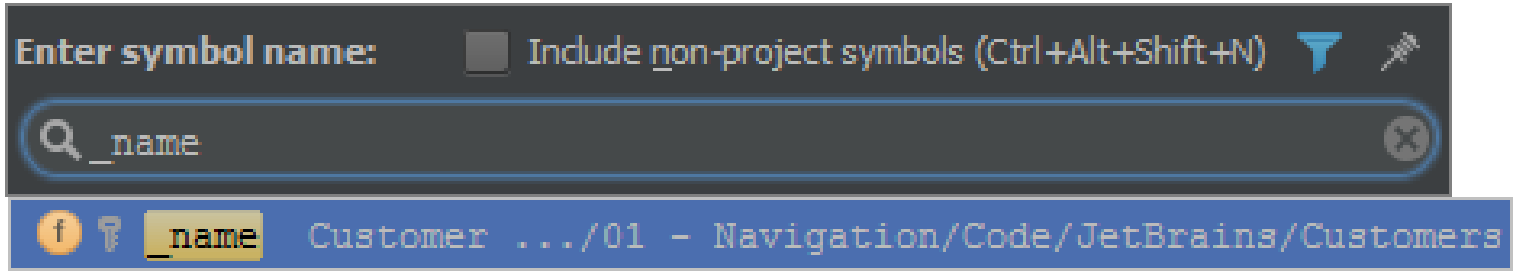
Ctrl+Shift+N

Command+Shift+O

Navigate to Symbol

Navigates to a given symbol

- can be in PHP or any other language supported by PhpStorm
- use CamelHumps / wildcards



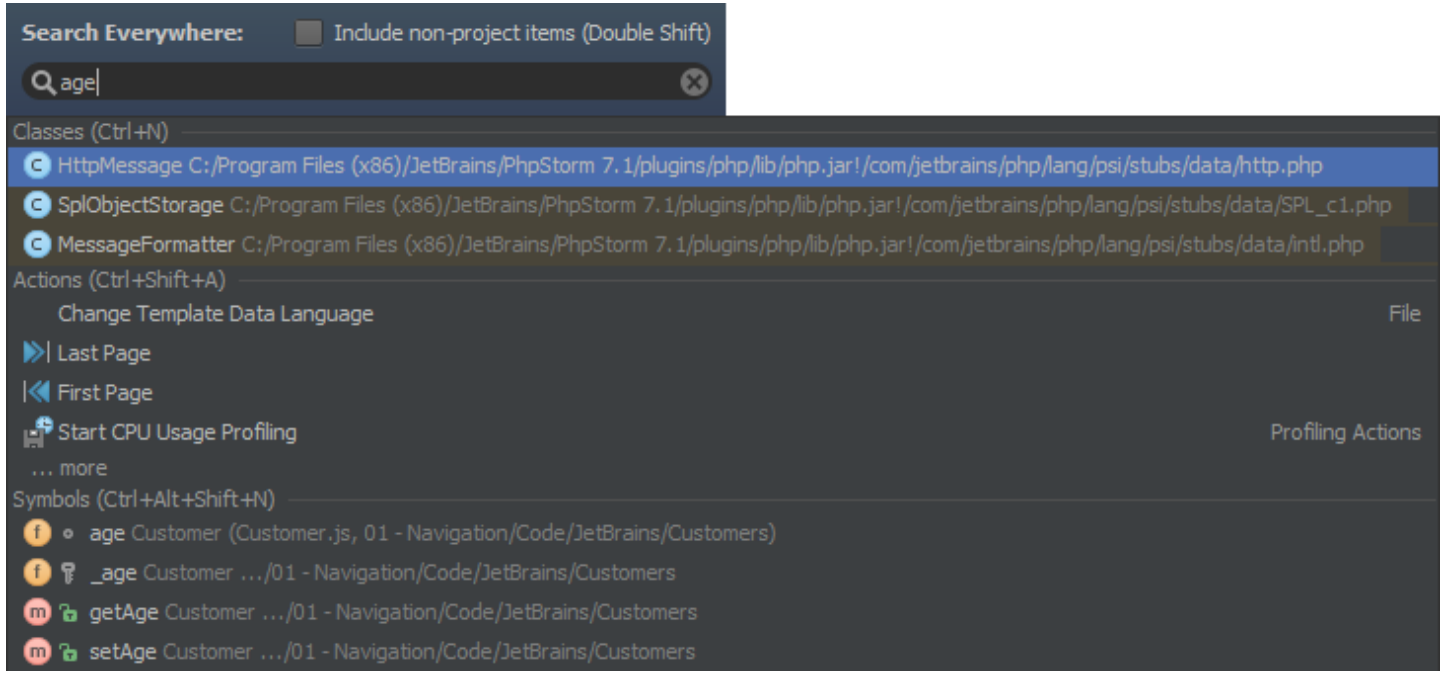
Ctrl+Shift+Alt+N

Command+Shift+O

Search Everywhere

Search classes, file, symbols and menu actions all at once

use CamelHumps / wildcards



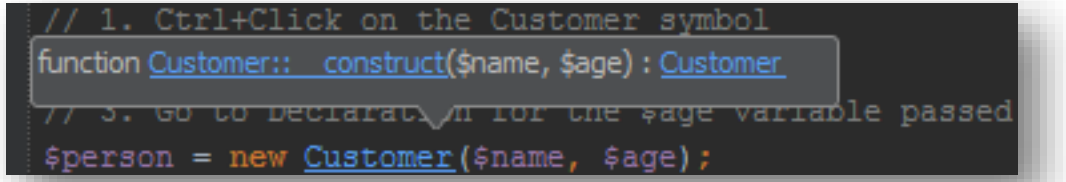
Double shift

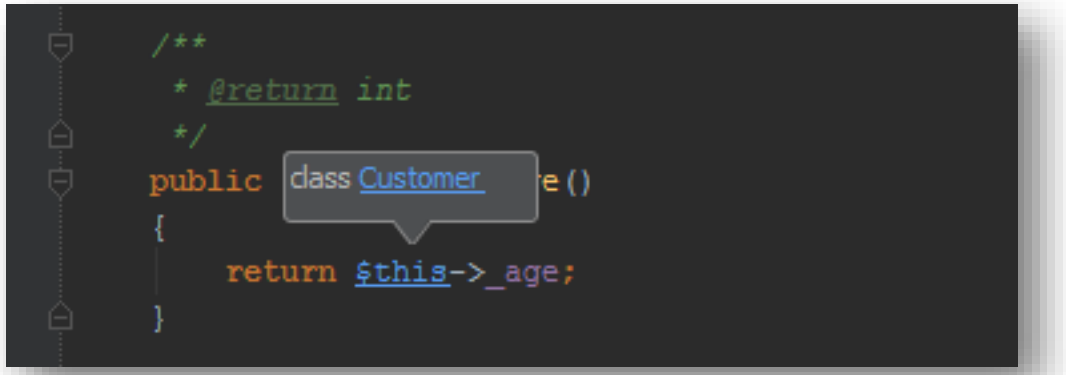
Double shift

Navigate to Declaration

Ctrl-click for hyperlink

or use shortcut





Ctrl+B

Command+B

Navigate Back / Forward

Use the keyboard shortcut

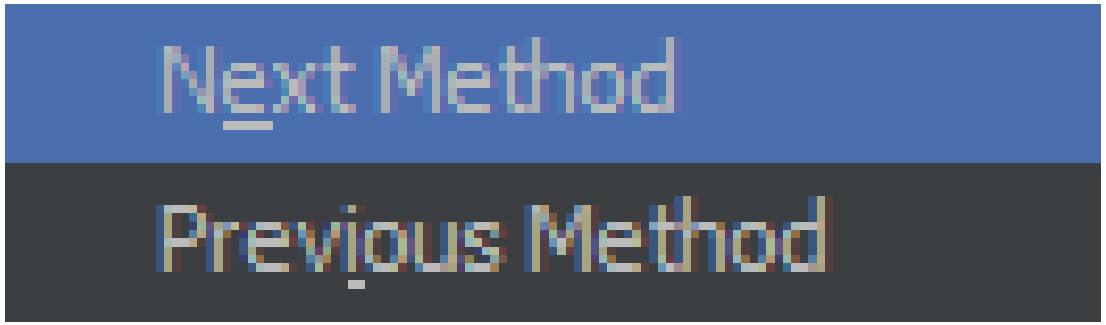
Ctrl+Alt+Left / Right

Command+Alt+Left / Right

Next / Previous Method

Use the keyboard shortcut to navigate through methods in a file/class.

Navigates between tags in HTML. Also works in other file types.



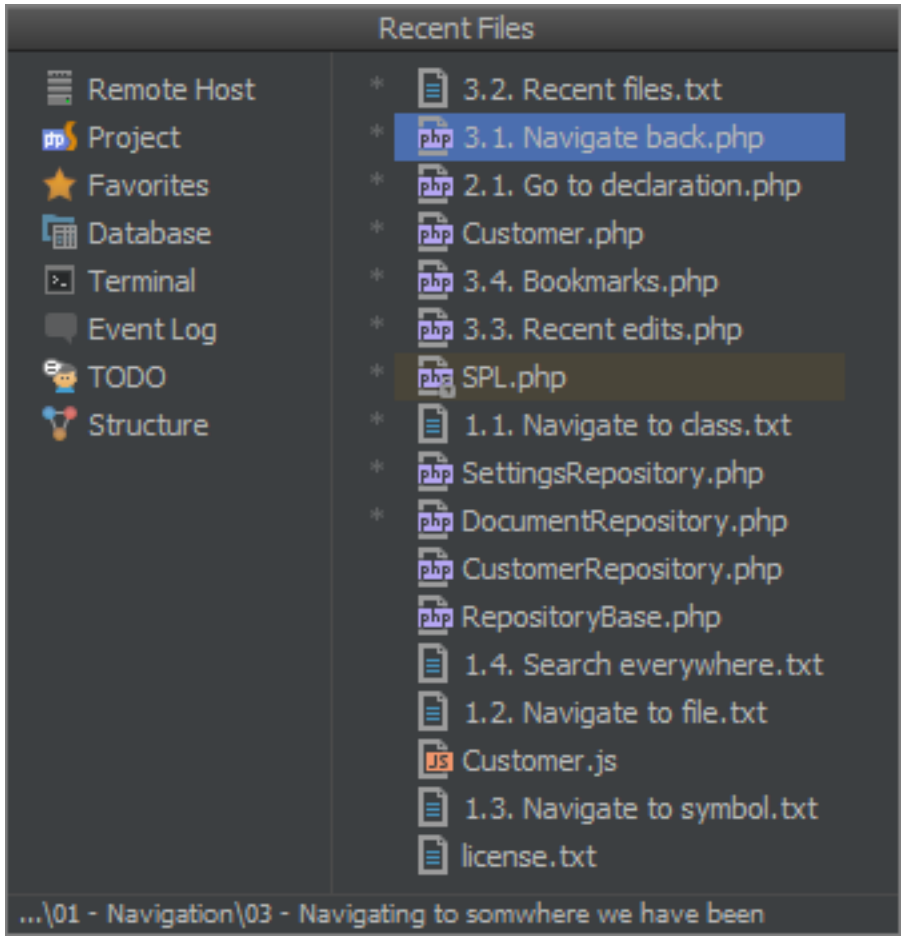
Alt+Down / Alt+Up

Control+Down / Control+Up

Recent Files

List of recent files

use CamelHumps / wildcards



Ctrl+E

Command+E

Navigate to Last Edit Location

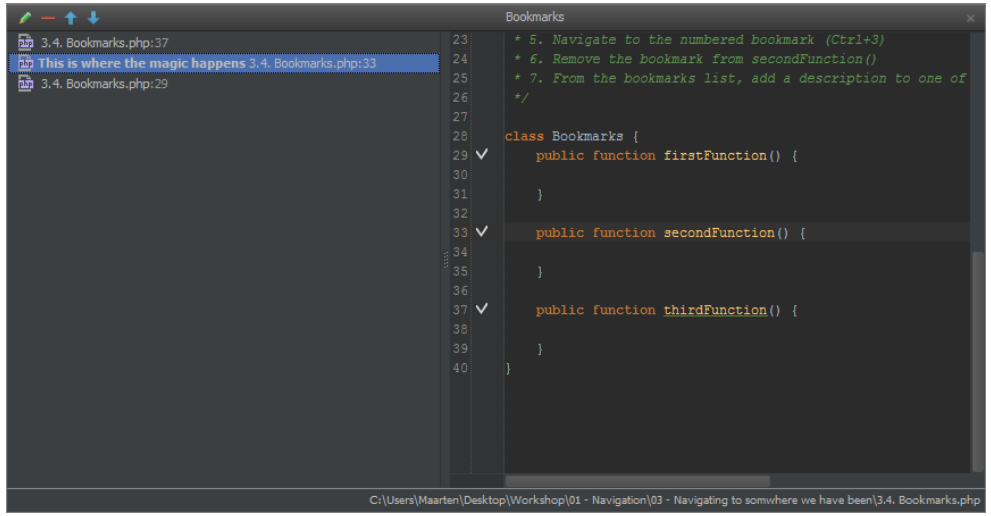
Use the keyboard shortcut to navigate back to the last edit location.

Ctrl+Shift+Backspace


Command+Shift+Backspace

Bookmarks

Navigate between “bookmarked” locations.

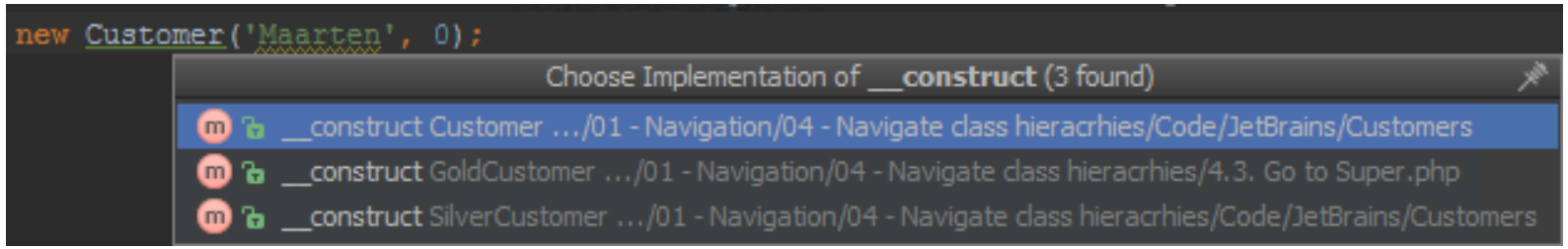


F11 Toggle Bookmark
Ctrl+F11 Toggle Numbered Bookmark
Shift+F11 Show bookmarks
Ctrl+0..9 Navigate to numbered bookmark

F3 Toggle Bookmark
Alt+F3 Toggle Numbered Bookmark
Shift+F3 Show bookmarks
Ctrl+0..9 Navigate to numbered bookmark

Go to Implementation

Navigates to the implementation of a given class.

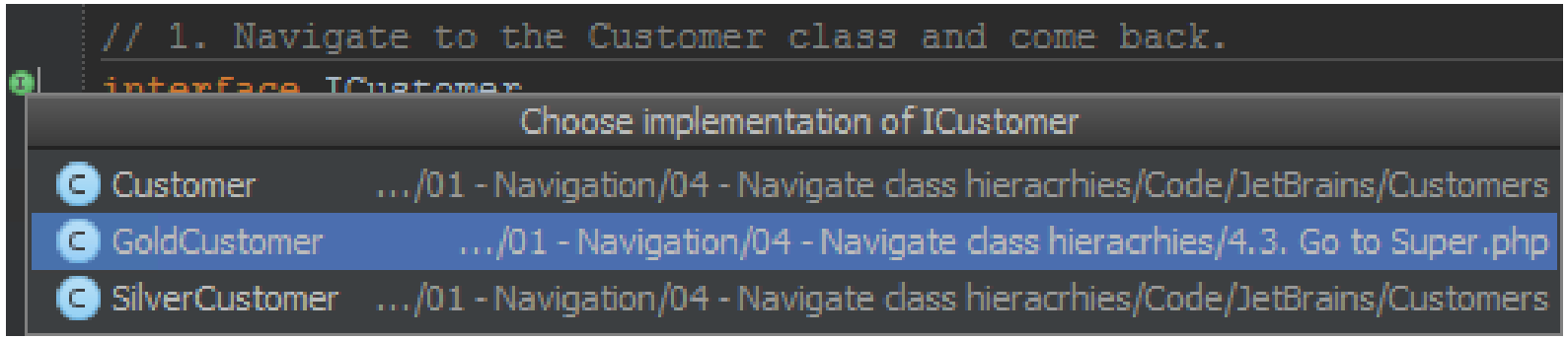


Ctrl+Alt+B

Command+Alt+B

Go to Derived

Navigates to the implementation of a given interface or to a subclass.

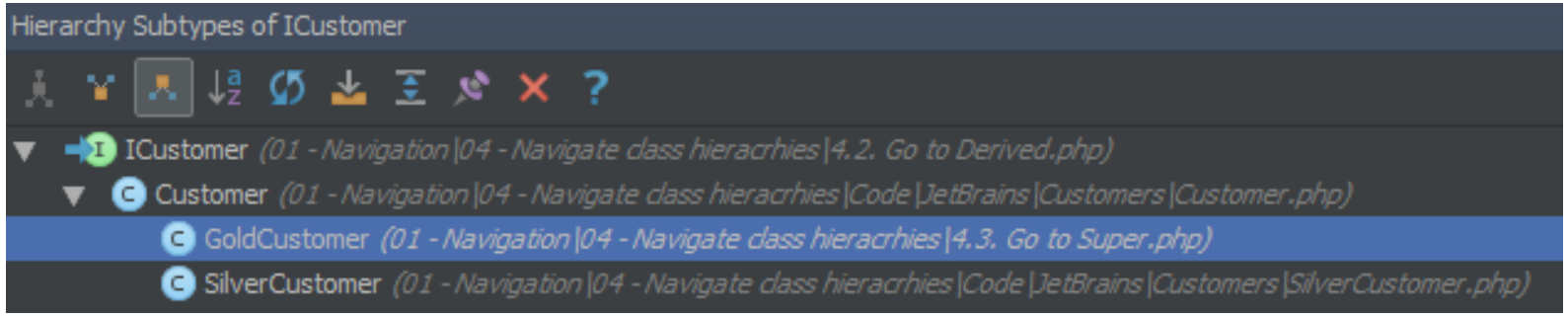


Use the left gutter

Use the left gutter

Go to Super class/method

Navigates to the super class or method.



Ctrl+U (Ctrl+H for hierarchy)

Command+U (Ctrl+H for hierarchy)

Highlight Usages in File

Highlights usages of a symbol in the current file. Different colors for read/write.

Esc to clear highlighting.

Ctrl+Shift+F7

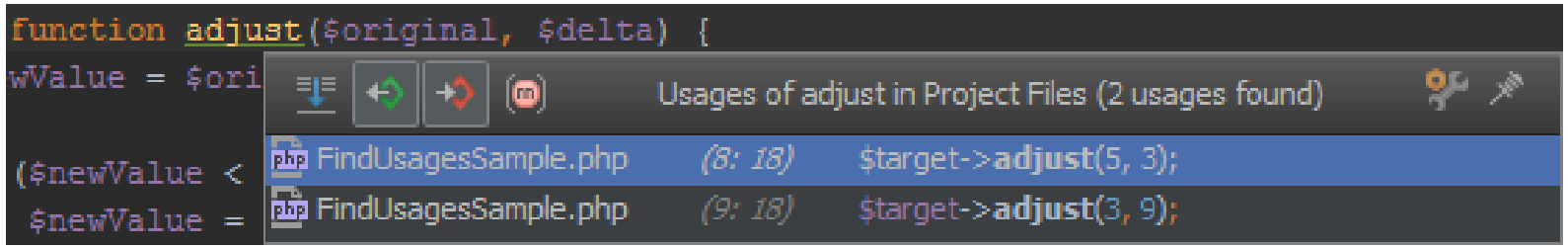

Command+Shift+F7

```
public function adjust($original, $delta) {
    $newValue = $original + $delta;

    if ($newValue < self::MIN_VALUE) {
        $newValue = self::MAX_VALUE;
    }
    if ($newValue > self::MIN_VALUE) {
        $newValue = self::MAX_VALUE;
    }

    return $newValue;
}
```


JetBRAINS

Find Usages

Find usages of a symbol in the current project. Use tool window or popup.



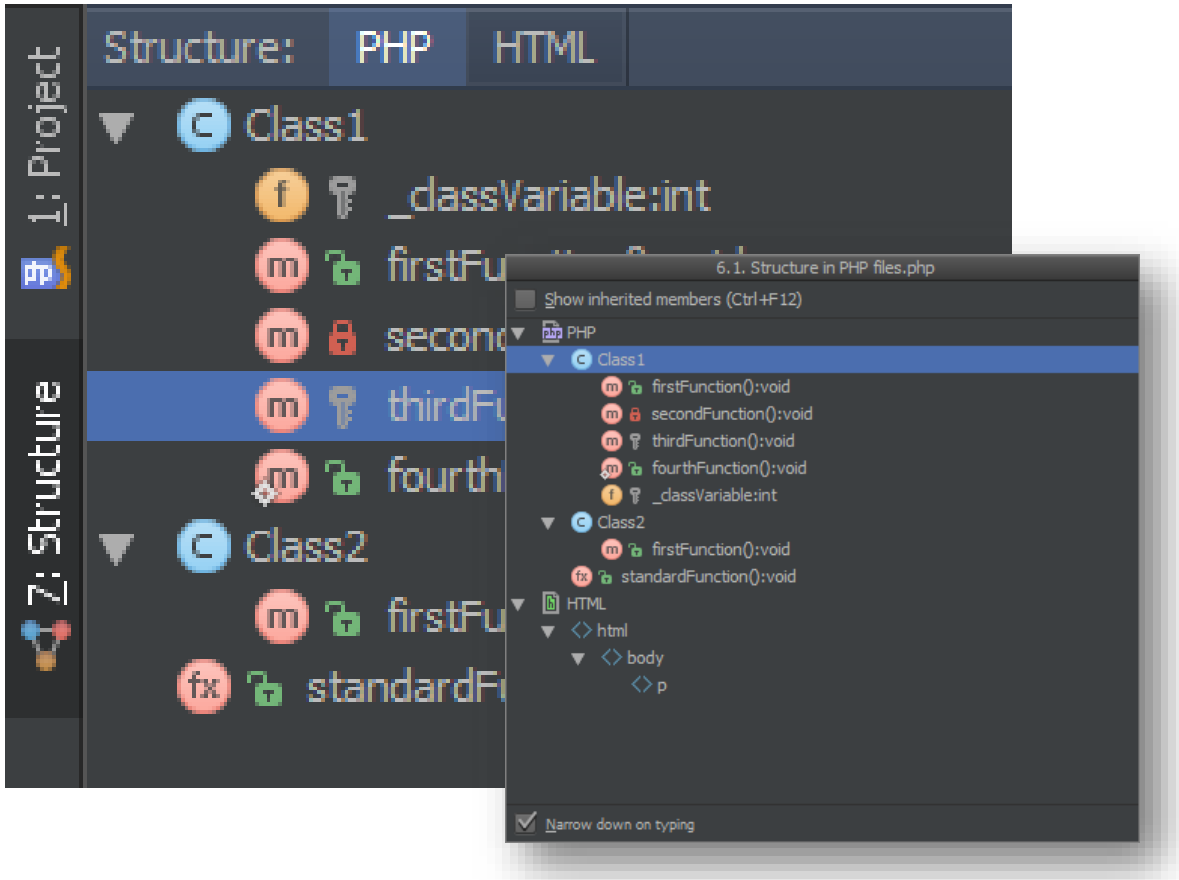
Alt+F7 (Ctrl+Alt+F7 for popup)

Alt+F7 (Command+Alt+F7 for popup)

File Structure Tool Window

Displays outline of file: classes, functions (with icons displaying accessibility).

Also shows HTML, JavaScript, CSS, ...



Alt+7 (Ctrl+F12 for popup)

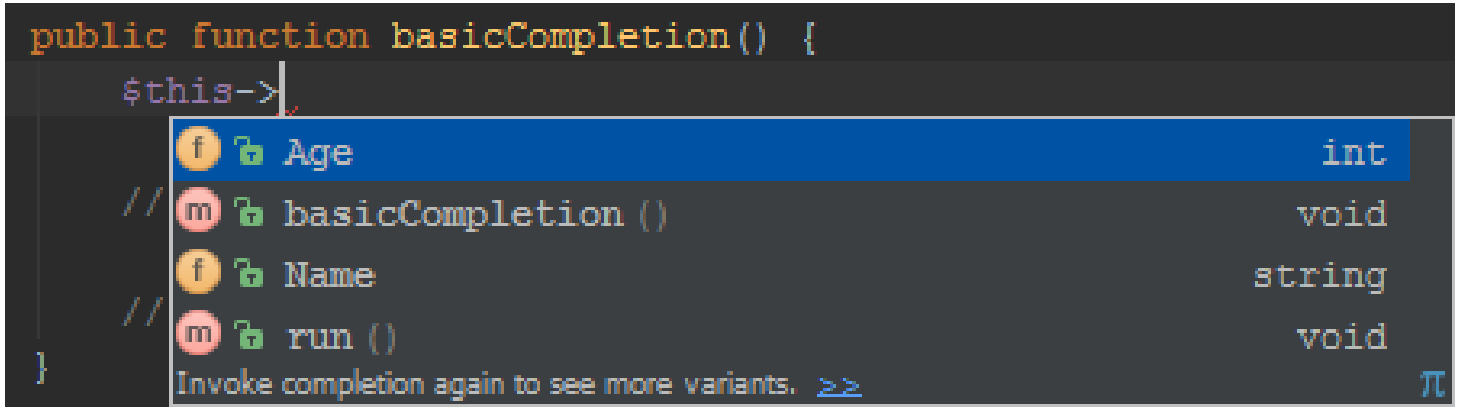
Command+7 (Command+F12 for popup)

Editing

Basic Completion

Basic code completion for the name of any class, method or variable.

- Hit Ctrl+Space twice for more variants
- Also allows path completion



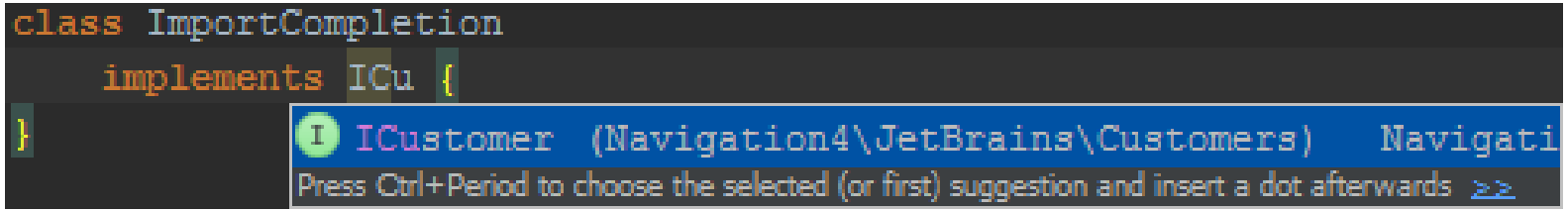
Ctrl+Space (Ctrl+Shift+Enter to complete statement)


Ctrl+Space (Command+Shift+Enter to complete statement)

JetBRAINS

Import Completion

Basic code completion when using classes or functions from other namespaces. Automatically adds import when selected.



Ctrl+Space (Ctrl+Shift+Enter to complete statement)

Ctrl+Space (Command+Shift+Enter to complete statement)

Selecting Code

Various ways of selecting code.

```php
public function extendAndShrinkSelection() {
    $importantValue = 32;
    if ($importantValue > 42) {
        try {
            echo 'More important than 42?';
        } catch (Exception $ex) {
            // 3. Place the cursor on the $ex variable.
            echo $ex->getMessage();
        }
    }
}
```

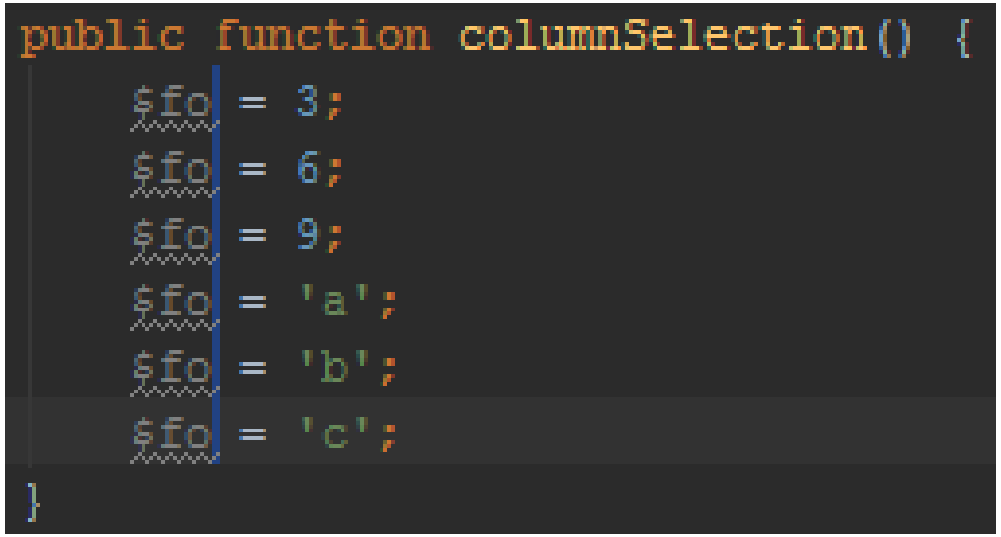
 Ctrl+W to expand, Ctrl+Shift+W to shrink

 Alt+Up / Down

JetBRAINS

Column Selection

Toggle column selection. Allows editing multiple lines in one go.



Alt+Shift+Insert


Command+Shift+Insert

Moving Code

Move code or entire statement up/down.

```
if (3 == 3) {
    // ...
    if (1 == 1) {
        // ...
        echo 'Number one';
    }
    echo 'Number three';
}
```

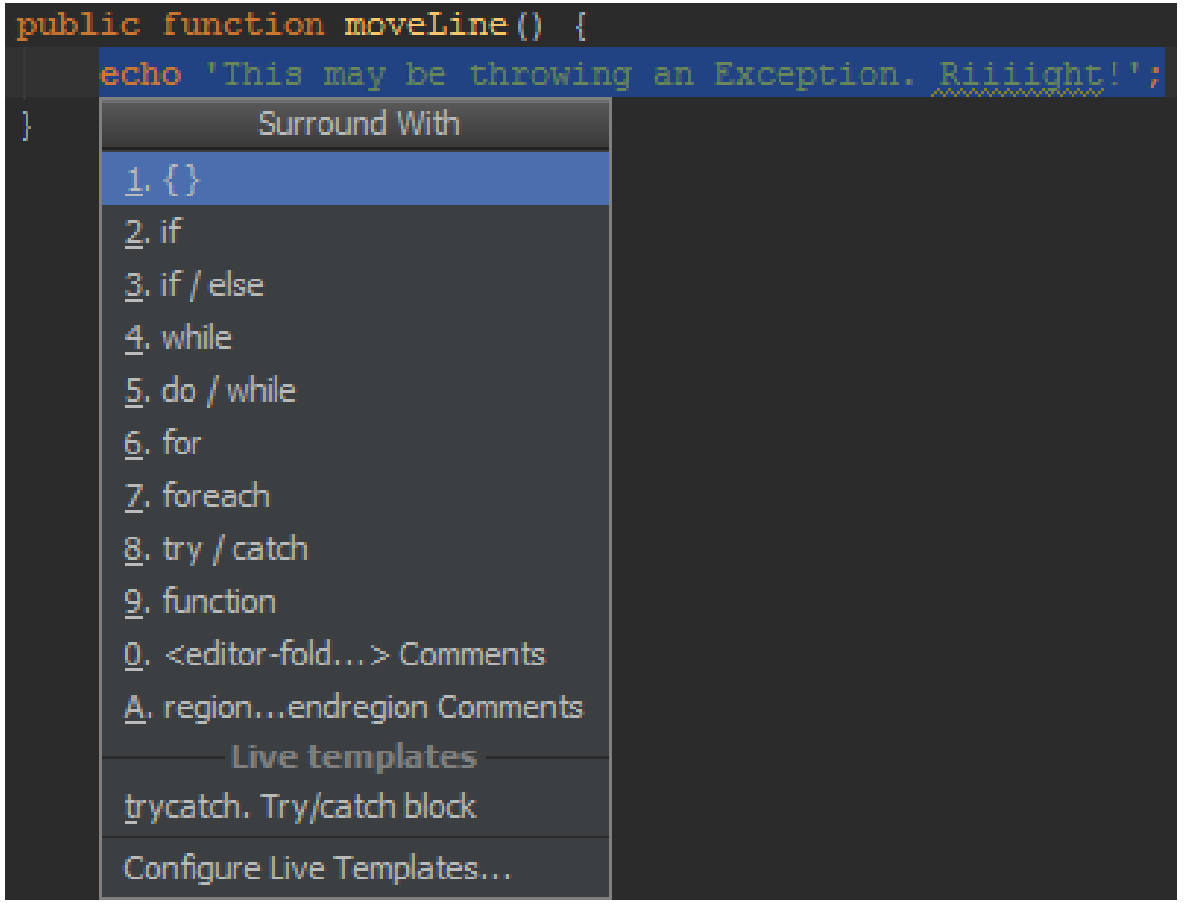
Shift+Alt+Up / Down (or Shift+Ctrl+Up / Down for statement)

Shift+Alt+Up / Down (or Shift+Command+Up / Down for statement)

JetBRAINS

Surround With

Wraps selected text with new content, e.g. try/catch or if statement.

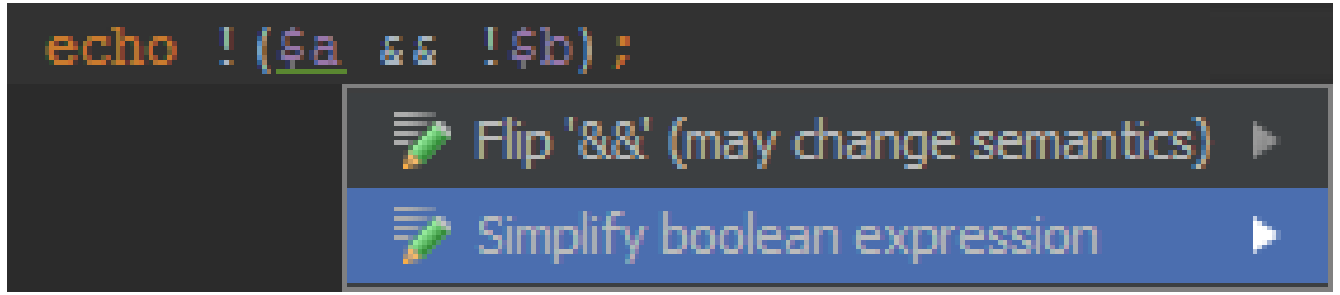


Ctrl+Alt+T and Alt+Enter

Command+Alt+T and Alt+Enter

Intentions

Let the IDE figure out possible actions from context and execute them.



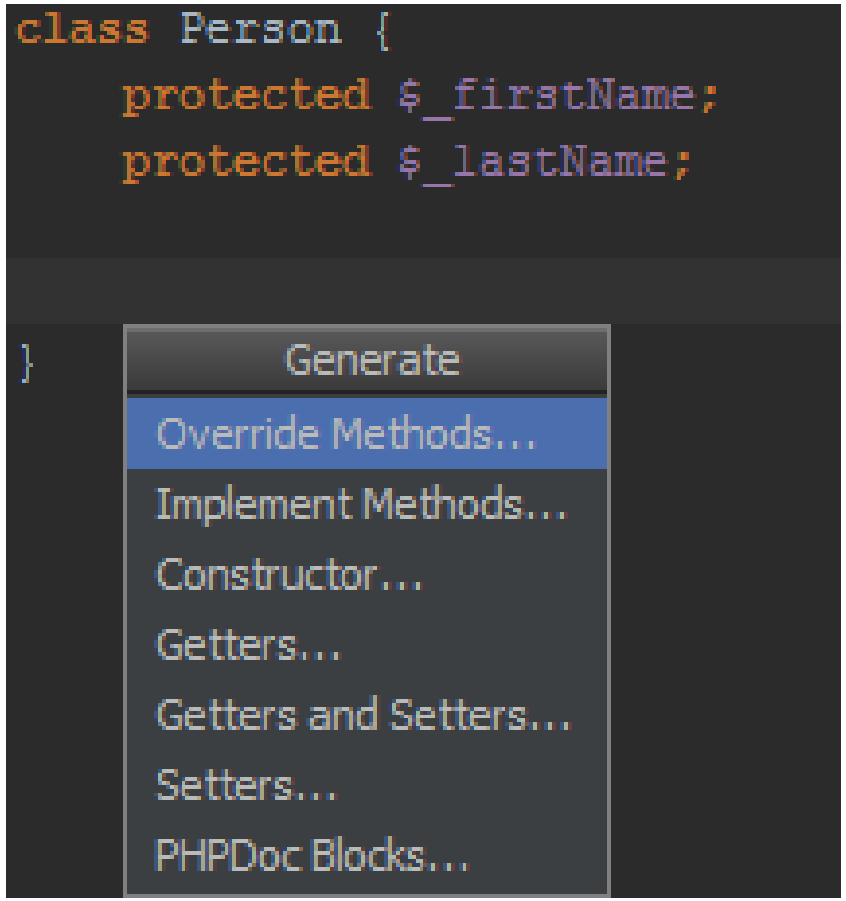
Alt+Enter

Alt+Enter

Generate Code

Generate code, e.g. class members, constructor, docblock comments, fields, ...

When used in navigation bar / project tool window, generates a new file.



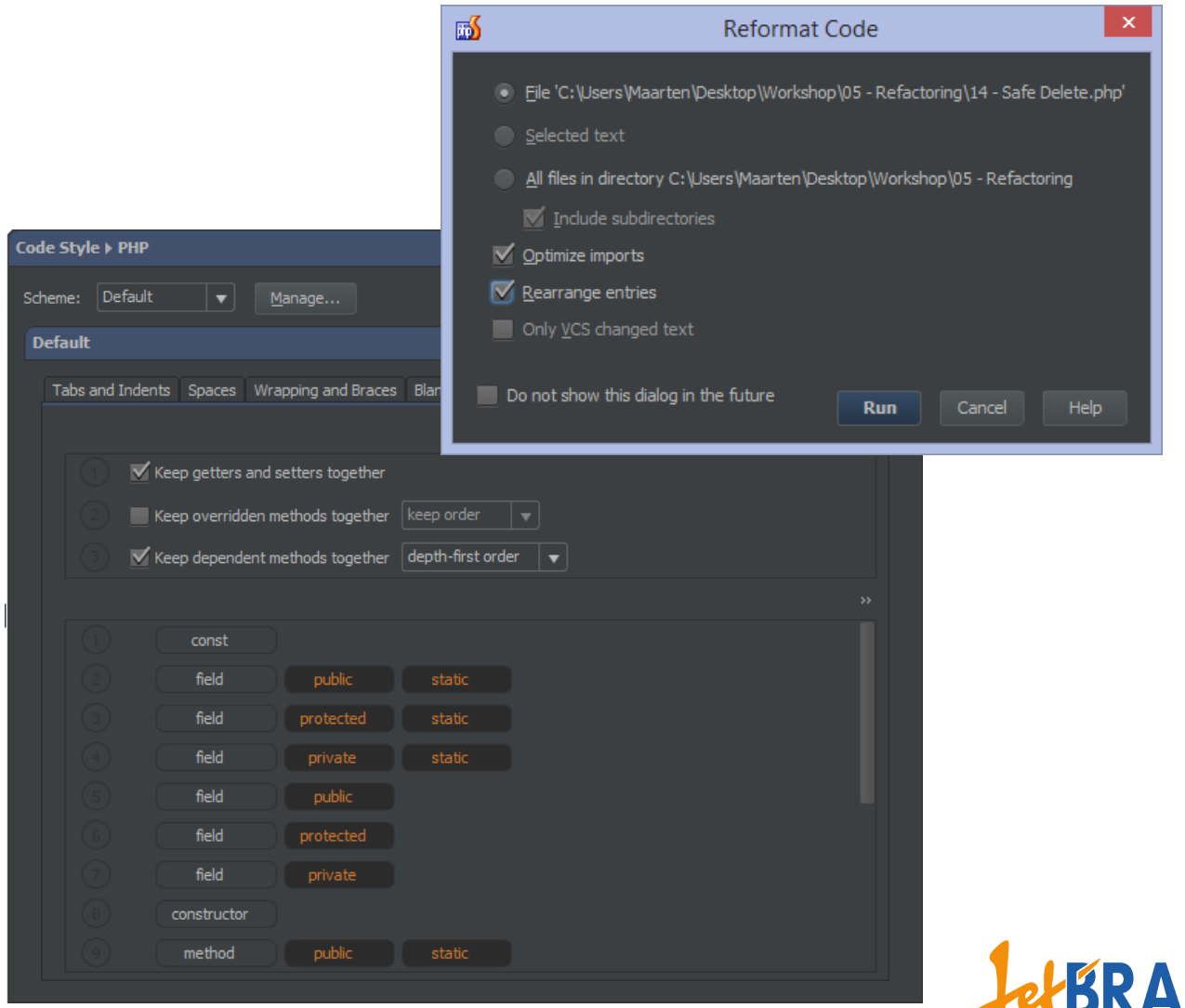
Alt+Insert

Command+N

JetBRAINS

Rearrange/Reformat Code

Rearranges entries in code according to settings. Reformats all code according to code style.



Ctrl+Alt+L (reformat)

Command+Alt+L (reformat)

Inspections

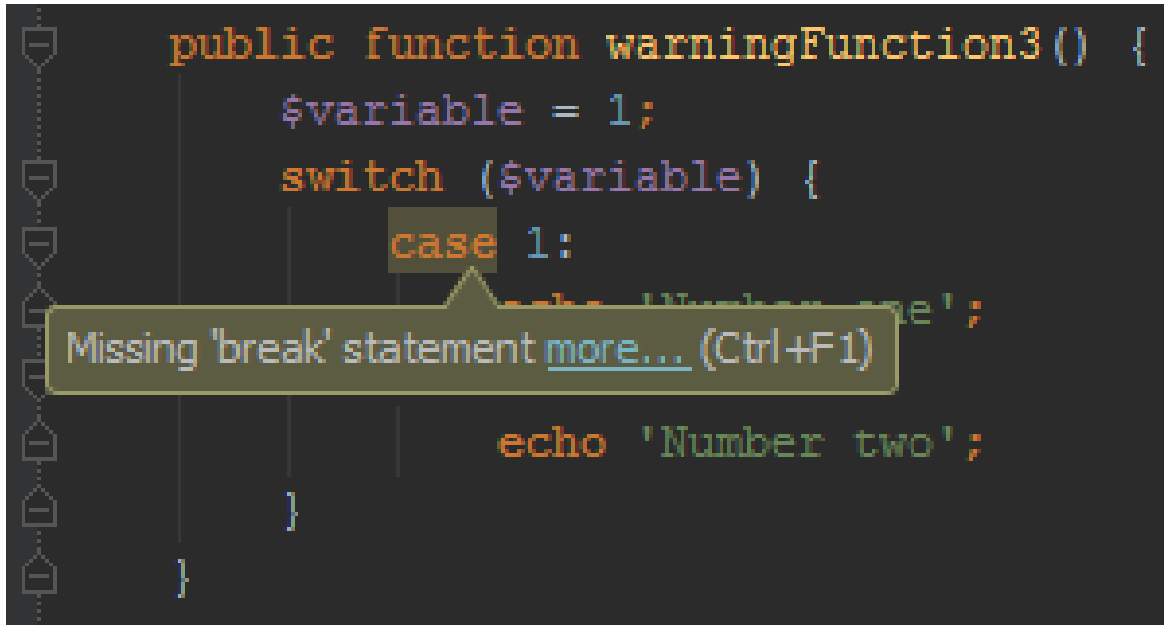
Highlights

In-editor highlighting of code issues.

- Errors
- Warnings
- Suggestions
- Hints
- Dead Code

Can be suppressed.

Support for PHP Code Sniffer / PHP Mess Detector.



Quick Fixes

Highlights provide a Quick Fix action
to help remove the warning.

Alt+Enter

Alt+Enter

Navigation

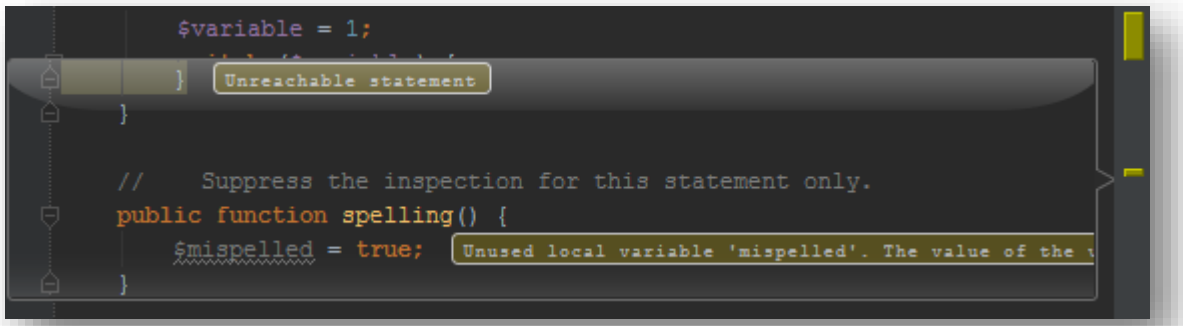
Navigate back and forth between code issues.

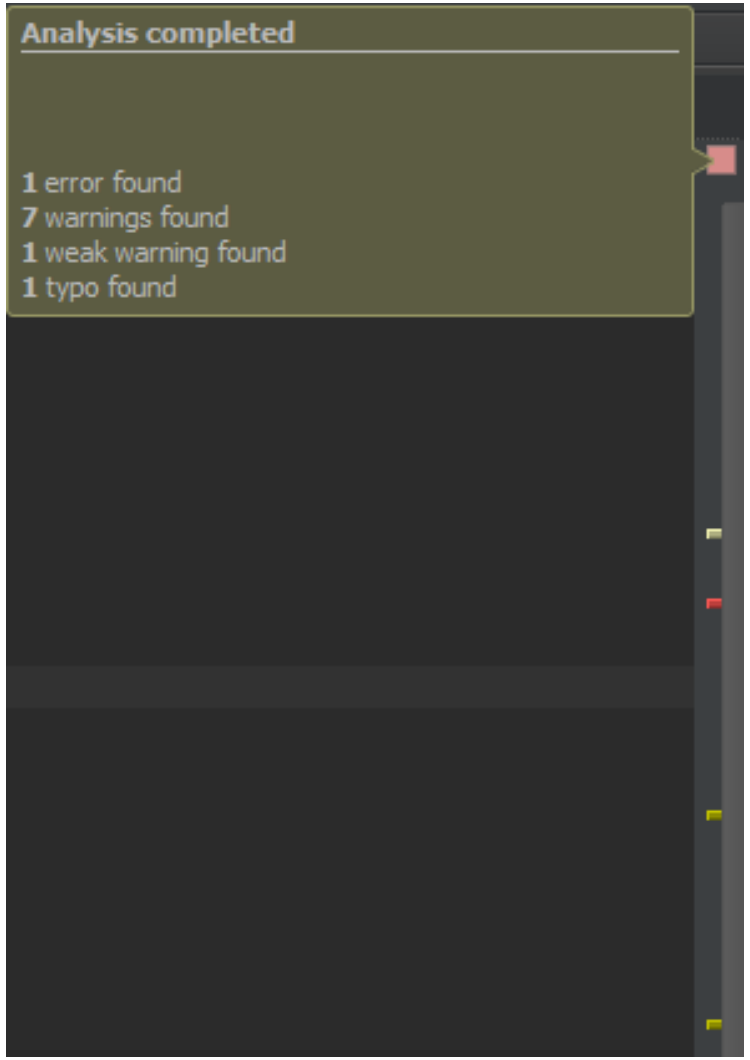
F2 / Shift+F2

F2 / Shift+F2

Gutter and Lens

Right gutter displays error information. Use Lens mode for preview.

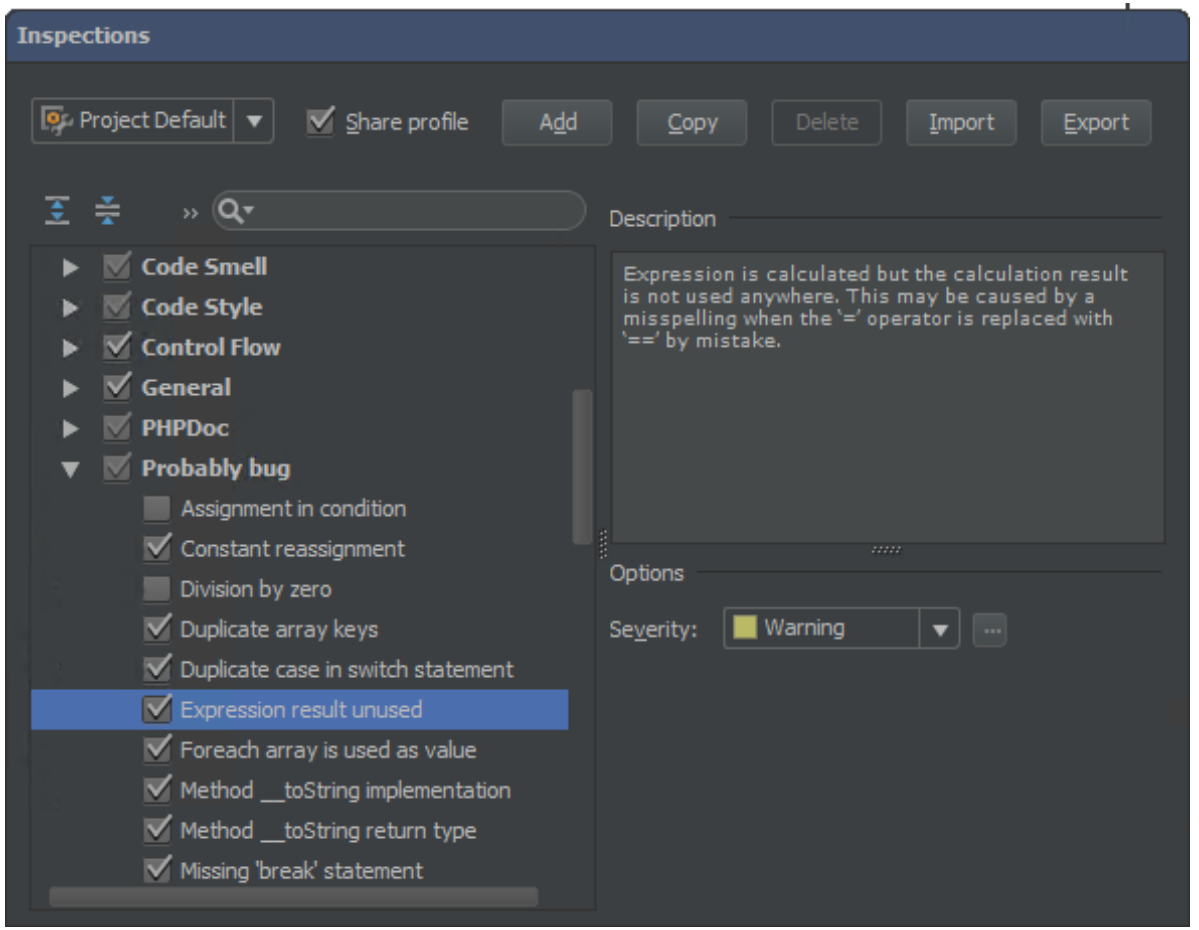




Settings

Enable/disable inspections, see examples and documentation.

Configure severity.

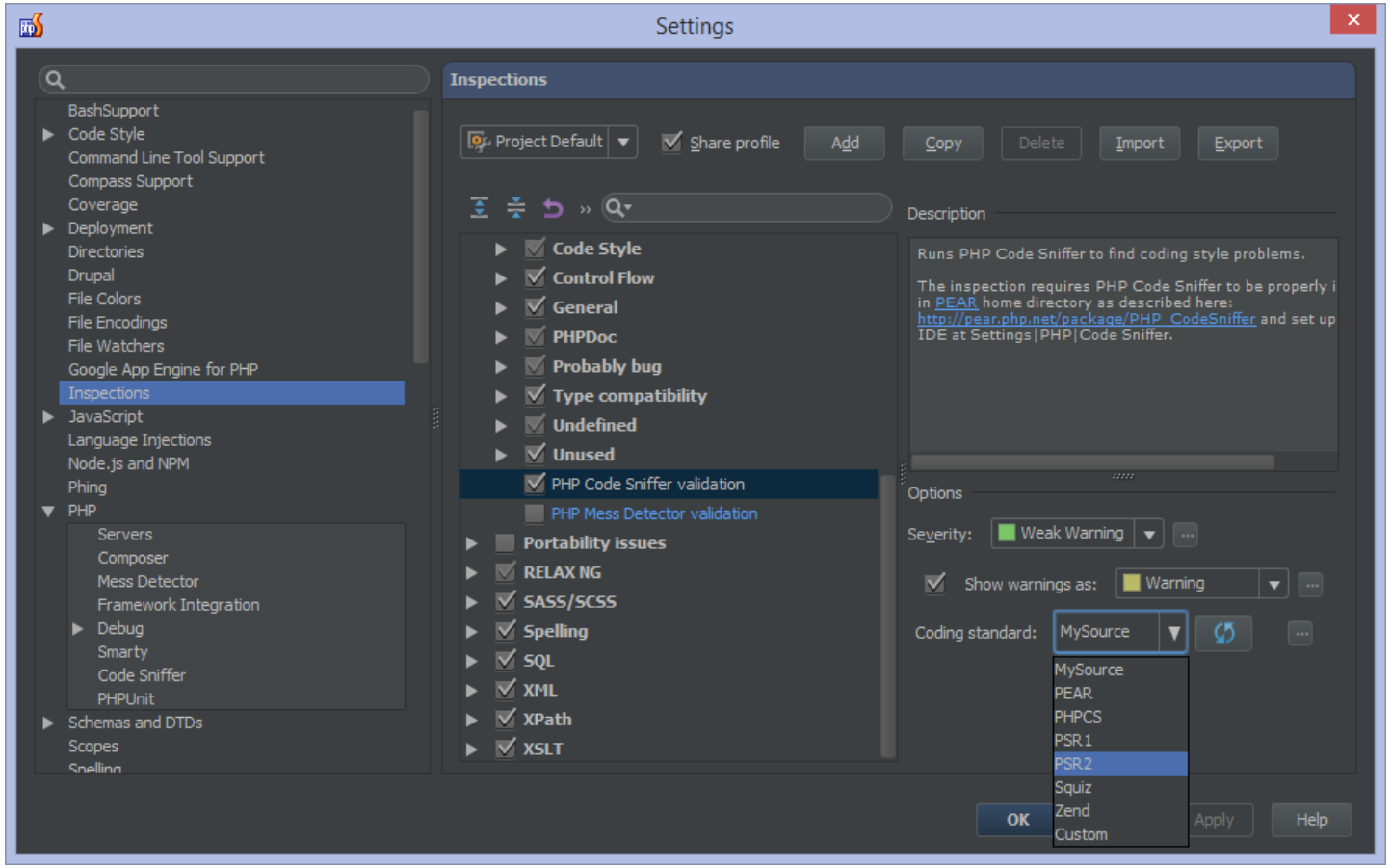


Ctrl+Alt+S

Command+,

PHPMD / PHPCS

PHP Mess Detector and PHP Code Sniffer can be plugged in for inspections as well.

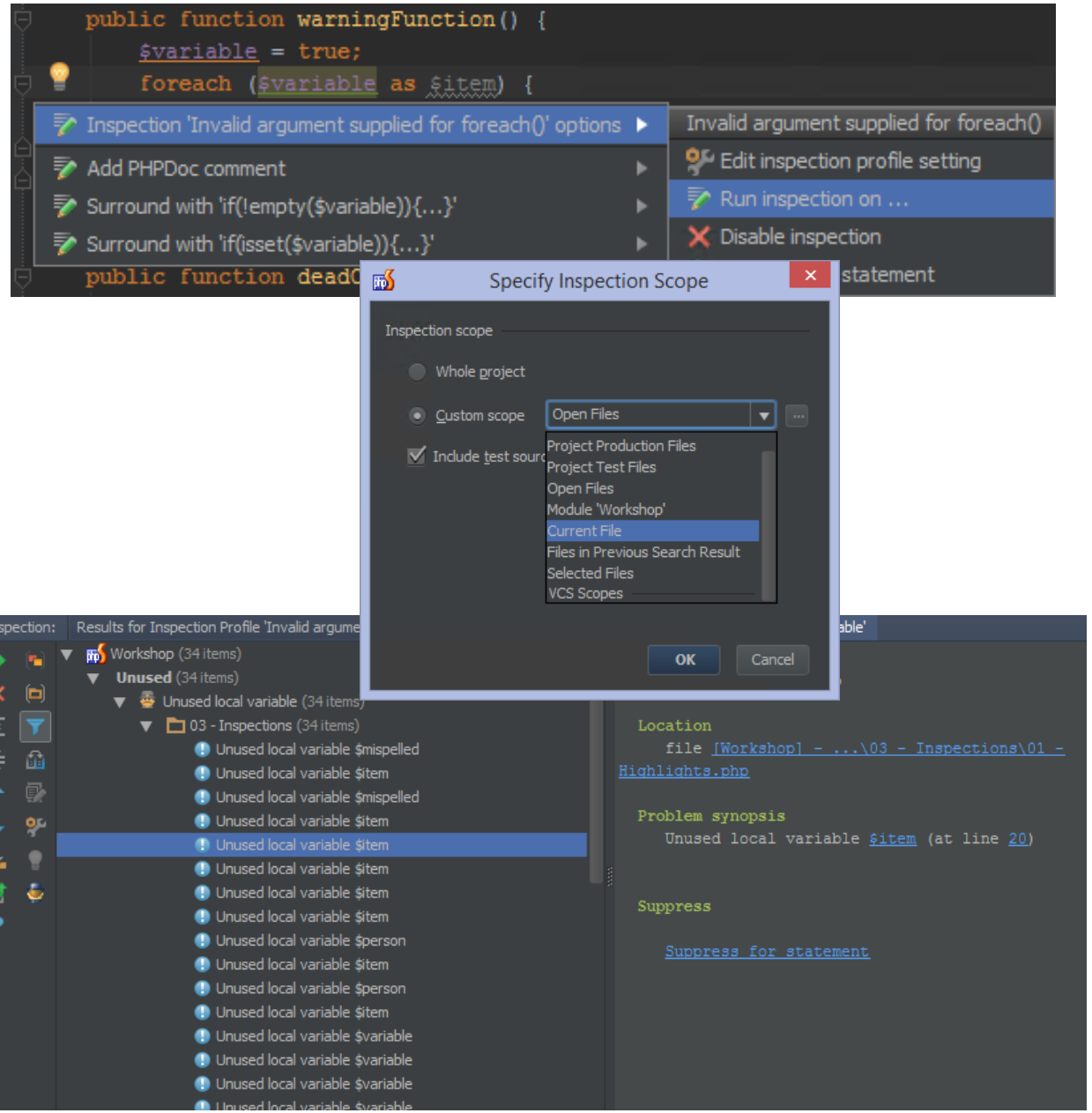


Ctrl+Alt+S

Command+,

Find Issues

Quick fix menu allows finding all similar issues.

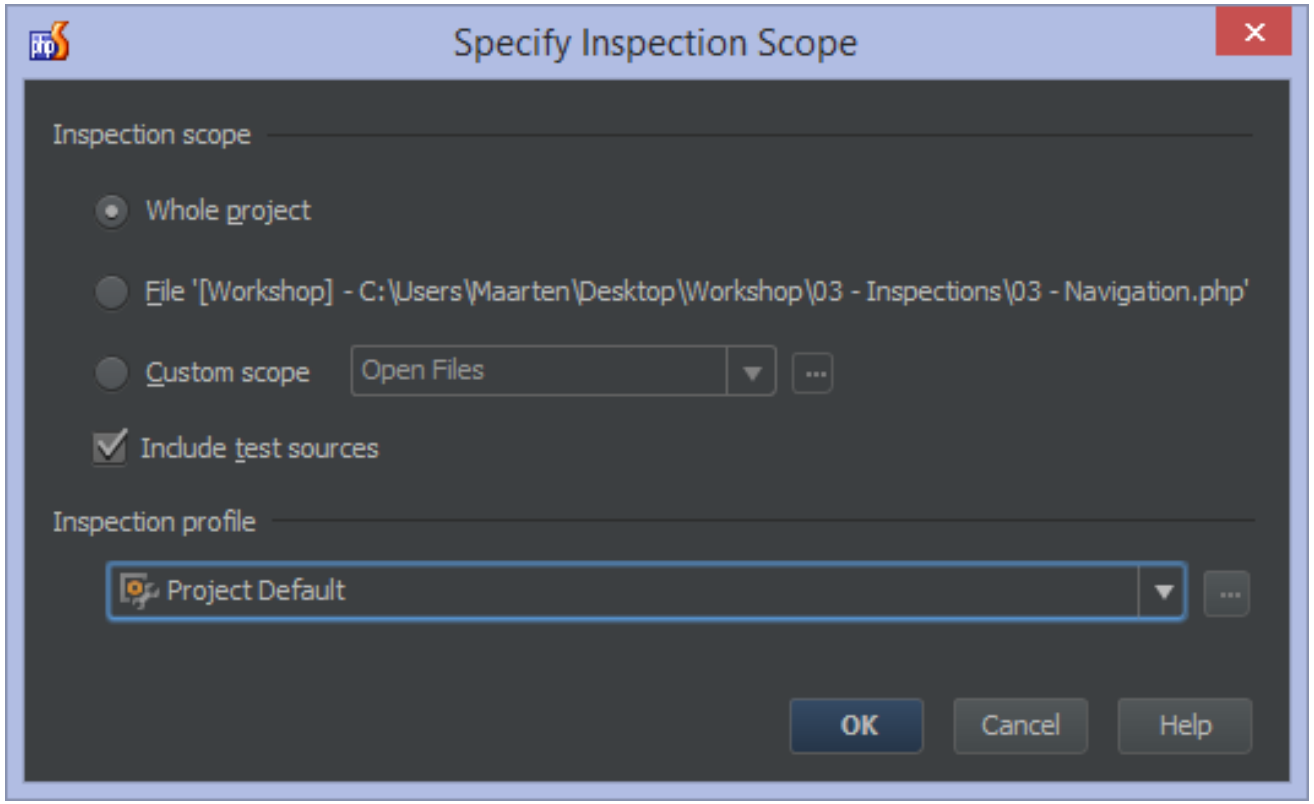


Alt+Enter

Alt+Enter

Run Inspections

Run an inspection profile and get results for the entire project (or scope).



Ctrl+Alt+Up / Down

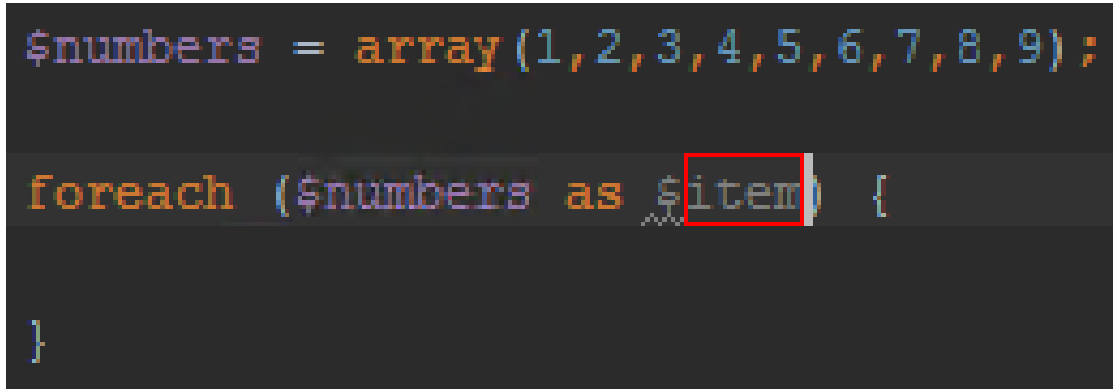
Command+Alt+Up / Down

Live templates (snippets)

Code Expansion

Expand text shortcut using template.

- Expands into code with variable “hotspots”
- Hotspot can be linked to an expression, such as “current user”, “autocomplete”, ...
- Tab to move between hotspots.
- Template can define end point for caret.



Tab

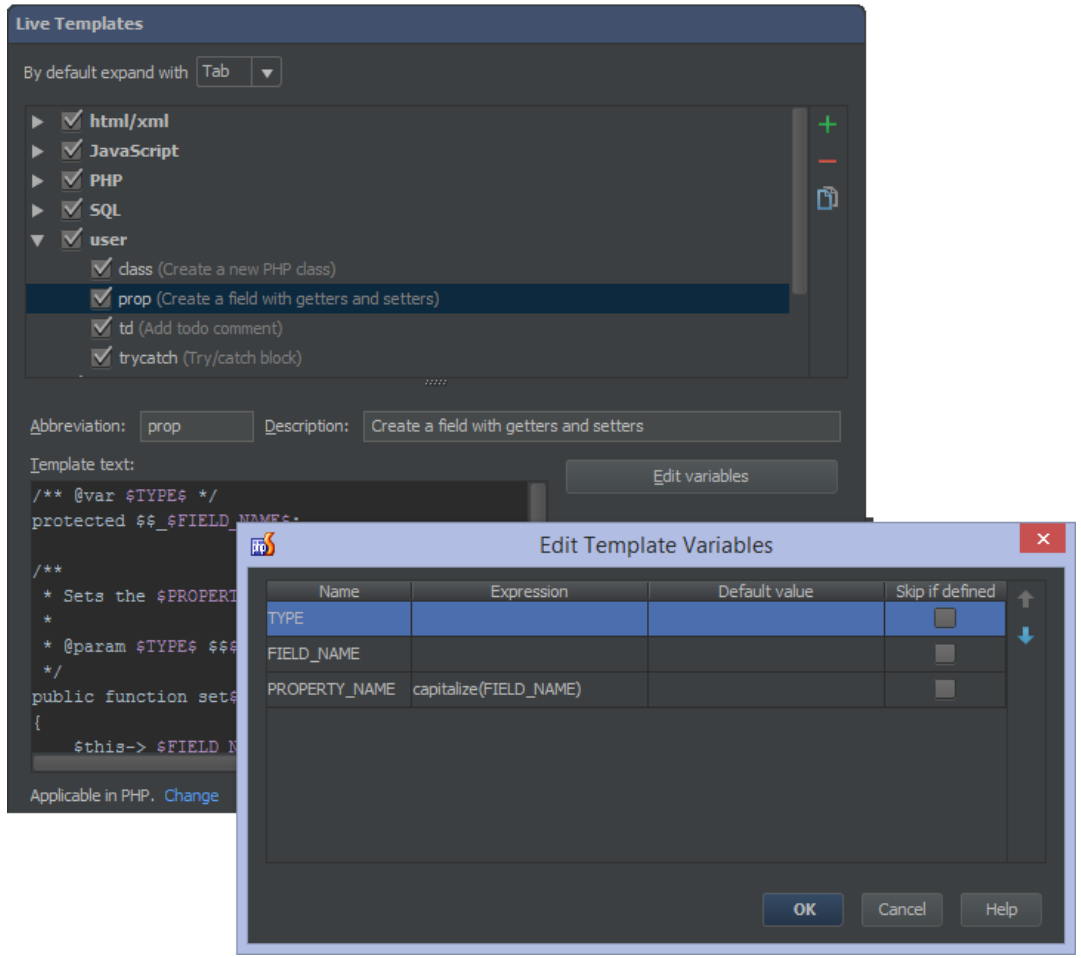
Tab

JetBRAINS

Creating Live Templates

Create your own live templates.

- Use variables and expressions.
- Can be created from settings or straight from within the editor.
- END variable denotes where caret should be after expansion.
- Expressions: https://www.jetbrains.com/phpstorm/webhelp/edit-template-variables-dialog.html



Tab

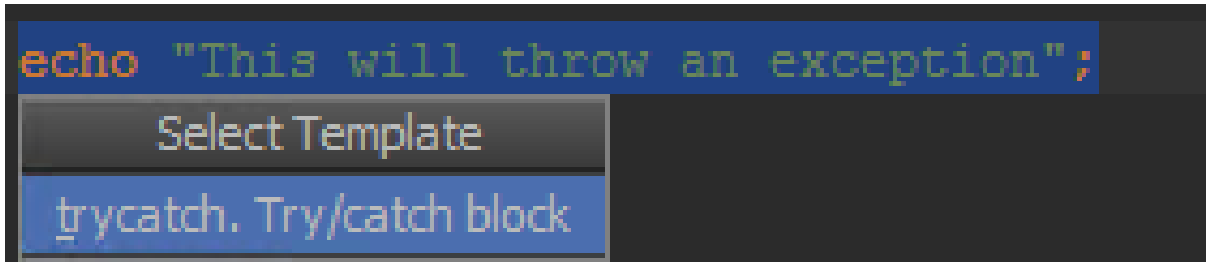
Tab

Surround Templates

Surround code with a template.

Extra predefined variable:

- $SELECTION$ is the currently selected text
- Only considered a surround template when this macro is used.



Ctrl+Alt+T or Ctrl+Alt+J

Command+Alt+T or Command+Alt+J

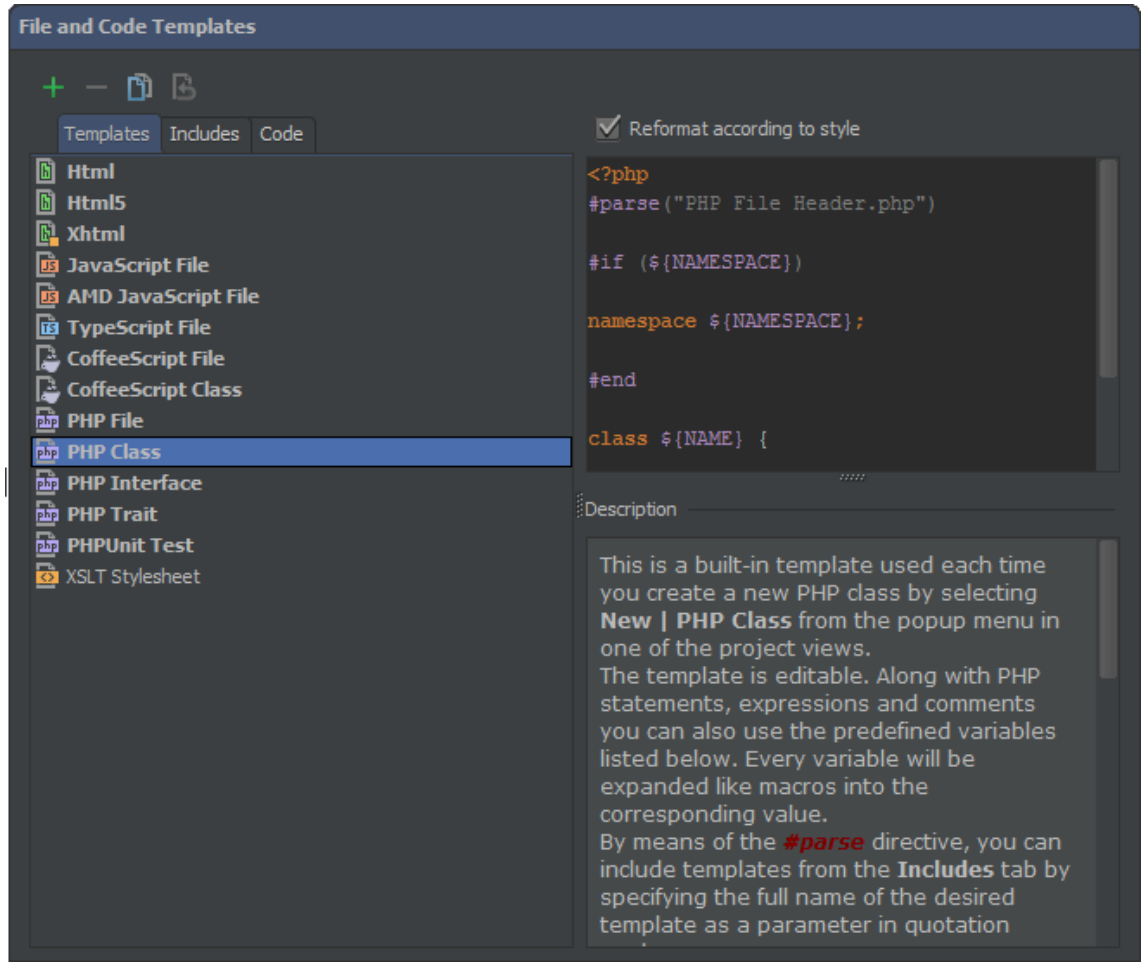
File Templates

Applied when creating a new file or generating code.

Can contain includes.

Customize code generation.

Variables: https://www.jetbrains.com/phpstorm/webhelp/file-template-variables.html



Ctrl+Alt+S

Command+,

Refactoring

"Refactoring is a controlled technique for improving the design of an existing code base."

Martin Fowler

http://martinfowler.com/books/refactoring.html

JetBRAINS

Refactoring in PhpStorm

The IDE will:

- Perform the refactoring
- Track down and correct the affected code references automatically
- Warn about occurrences it can not update automatically

Available refactorings:

- Change Signature
- Copy/Clone
- Extract Constant
- Extract Field
- Extract Interface
- Extract Method
- Extract Parameter
- Extract Variable
- Inline
- Move Refactorings
- Pull Members up
- Push Members down
- Rename Refactorings
- Safe Delete

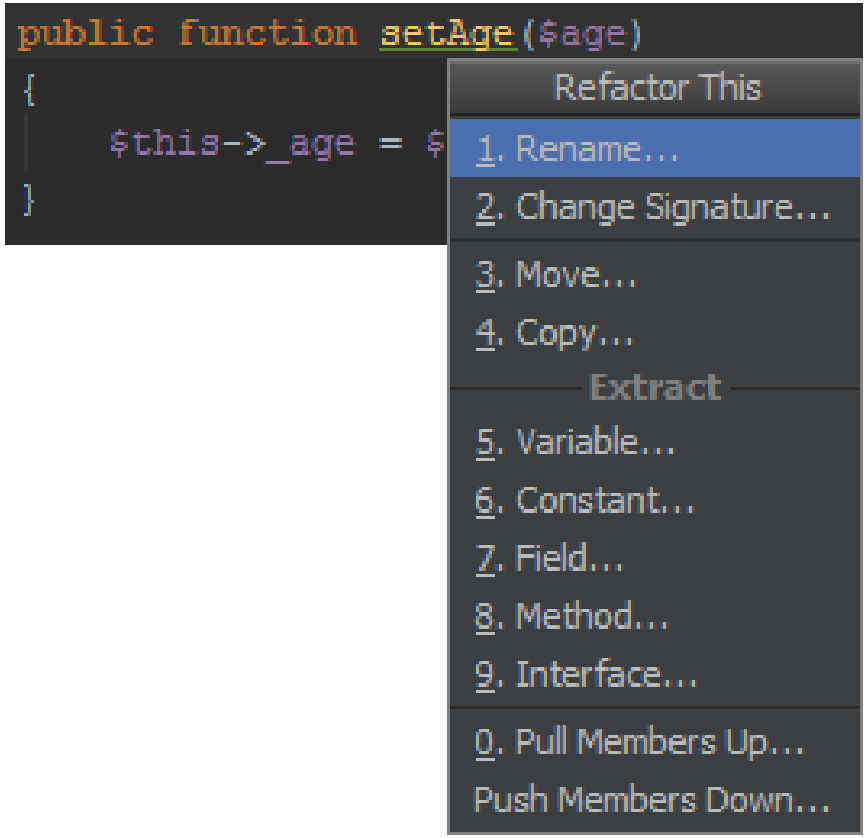
JetBRAINS

Refactor This

Refactor symbol or code fragment

In Project View, Structure Tool Window, Editor or UML Class Diagram.

Use menu item **Refactor | Refactor This** or keyboard shortcut.



 Ctrl+Shift+Alt+T

 Ctrl+T

JetBRAINS

Change Signature

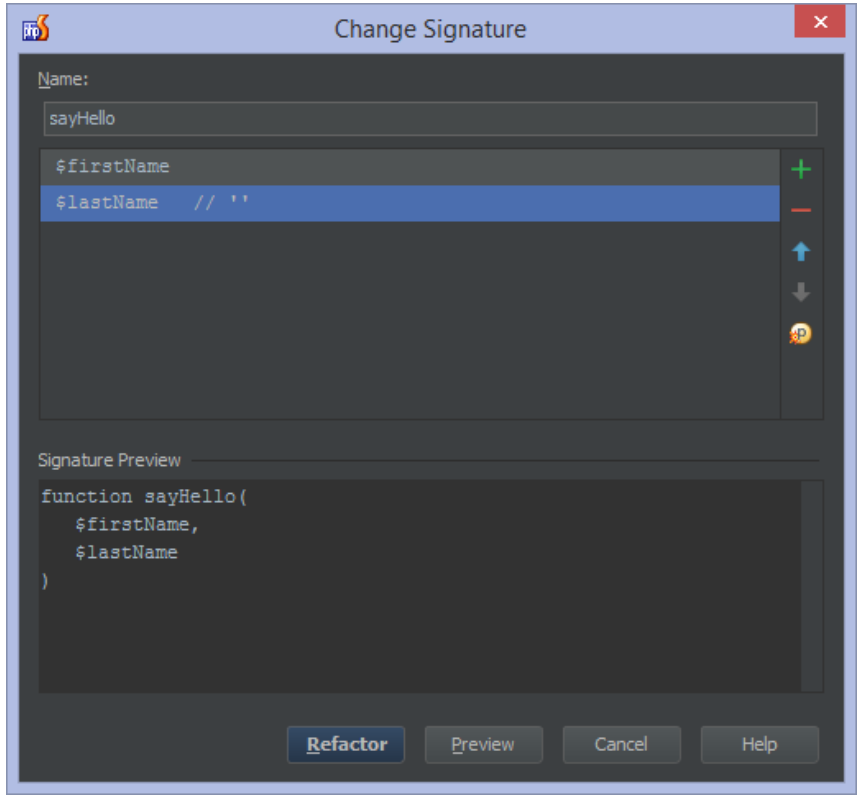
http://www.jetbrains.com/phpstorm/webhelp/change-signature.html

You can use this refactoring to:

- Change the function name.
- Add new parameters and remove the existing ones.
- Assign default values to the parameters.
- Reorder parameters.
- Change parameter names.
- Propagate new parameters through the function call hierarchy.

Ctrl+F6

Command+F6

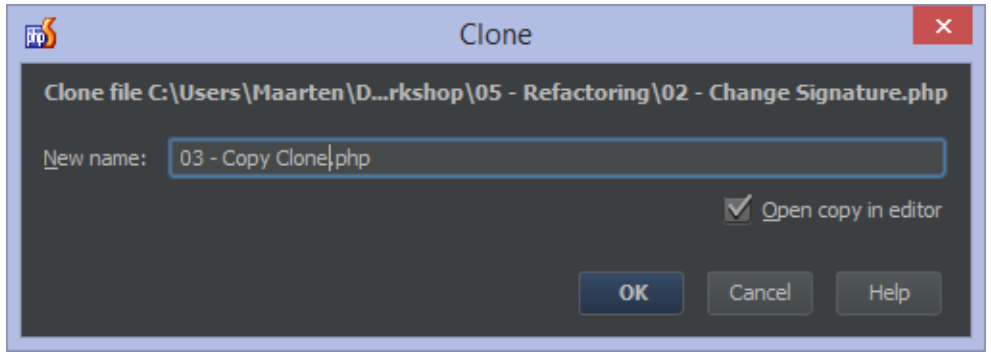


Copy/Clone

http://www.jetbrains.com/phpstorm/webhelp/copy-clone.html

Copy a class, file or directory to another directory or clone it within the same directory.

- Using keyboard shortcut
- Usign drag/drop with Ctrl key pressed)



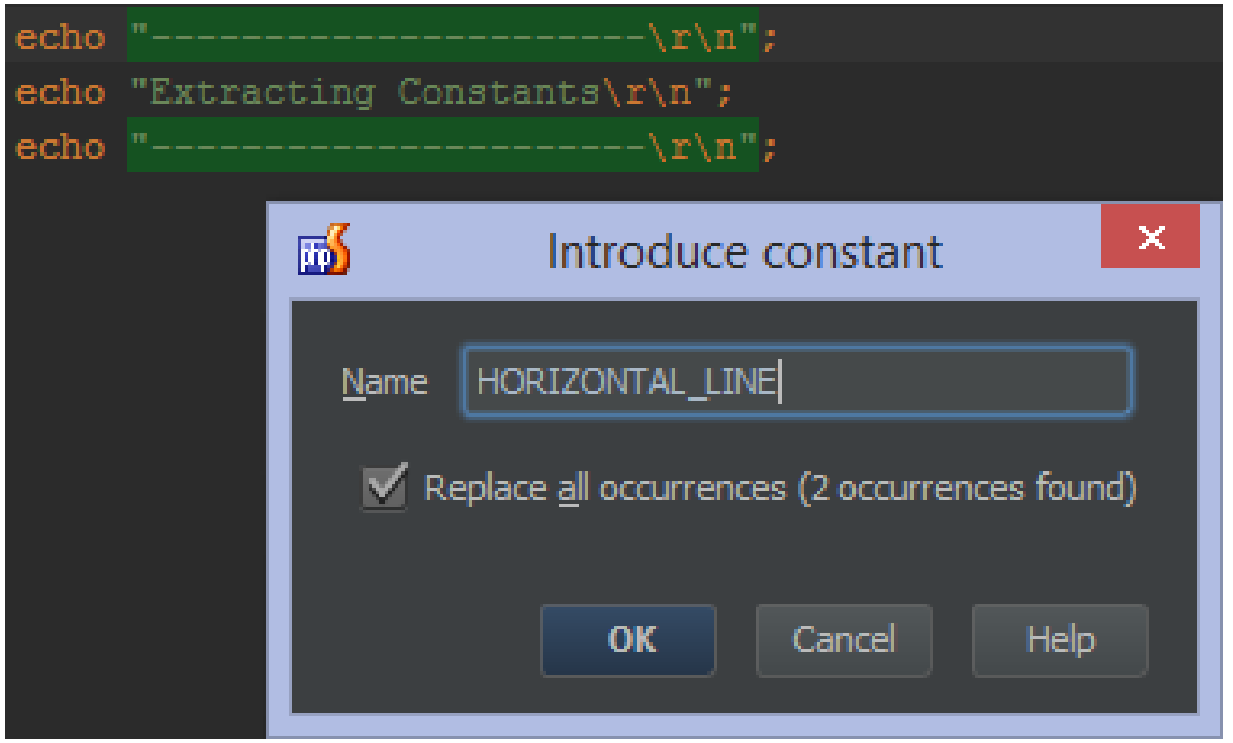
F5 (copy), Shift+F5 (clone)

F5 (copy), Shift+F5 (clone)

Extract Constant

http://www.jetbrains.com/phpstorm/webhelp/extract-constant.html

Extract a constant to make code cleaner and more maintainable.



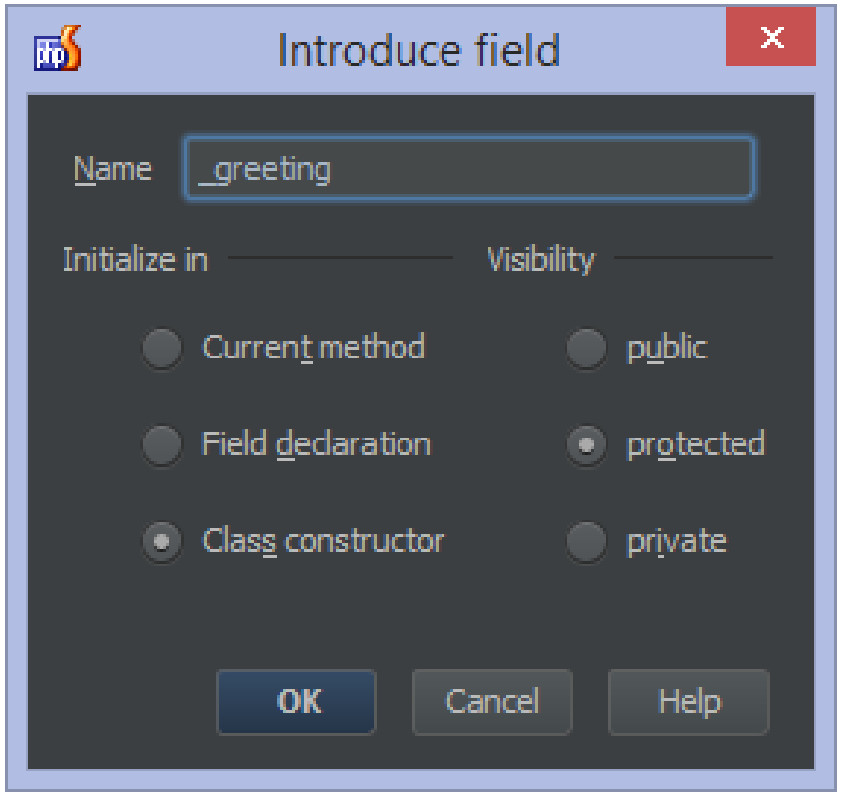
Ctrl+Alt+C

Command+Alt+C

Extract Field

http://www.jetbrains.com/phpstorm/webhelp/extract-field.html

Extract an expression into a field.



Ctrl+Alt+F

Command+Alt+F

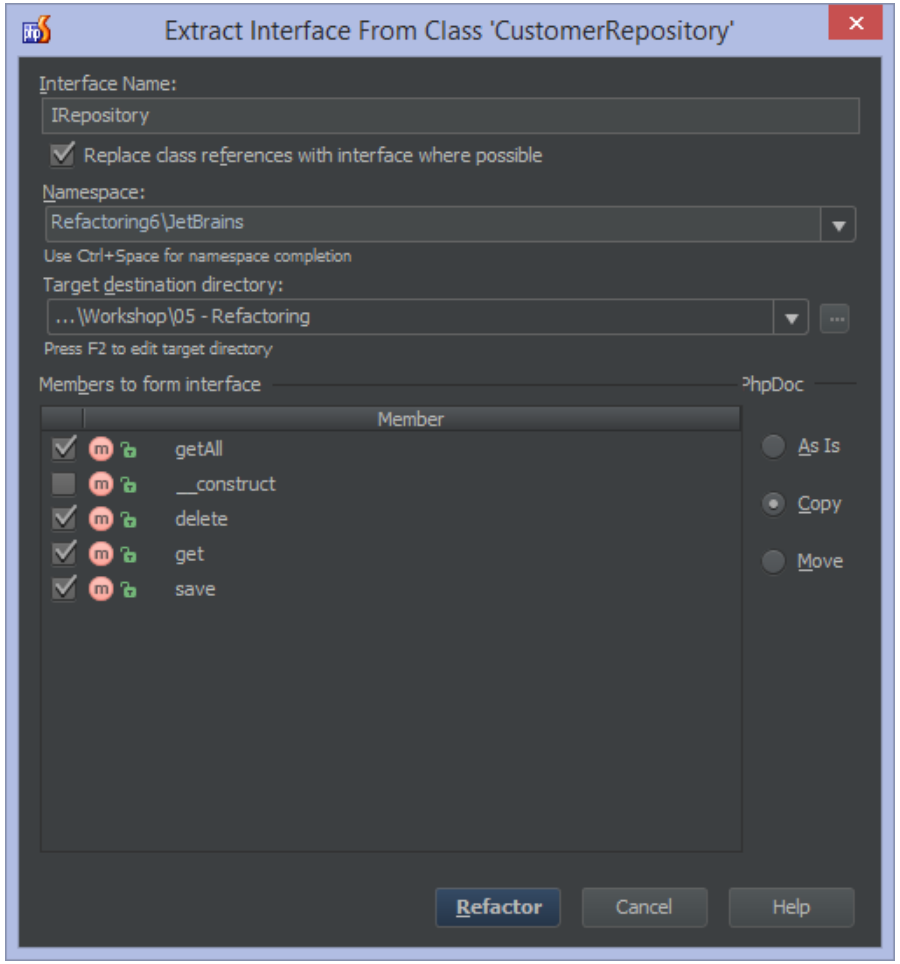
Extract Interface

http://www.jetbrains.com/phpstorm/webhelp/extract.html

Extract an interface from a class.

- Specify a Name
- Optionally chaneg namespace
- Pick members to extract
- Copy PHPDoc

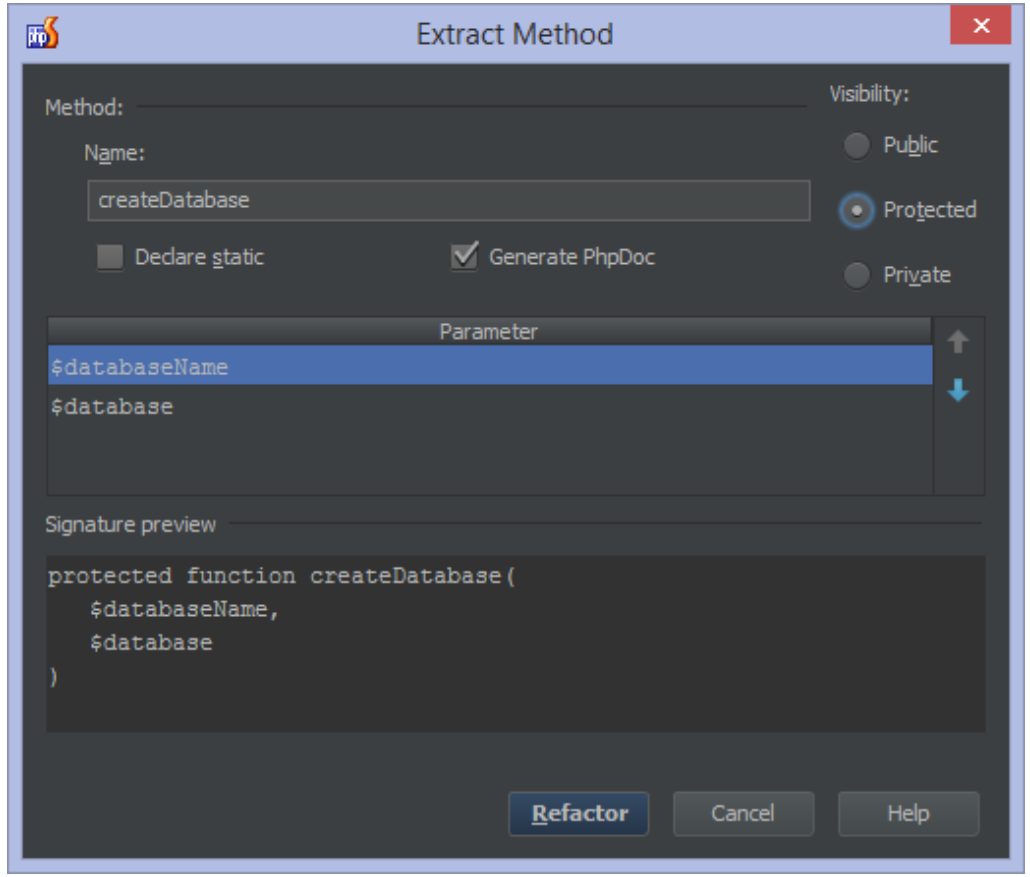
Use the menu or Refactor This.



Extract Method

http://www.jetbrains.com/phpstorm/webhelp/extract-method.html

Extracts a block of code into a method, detecting variables.



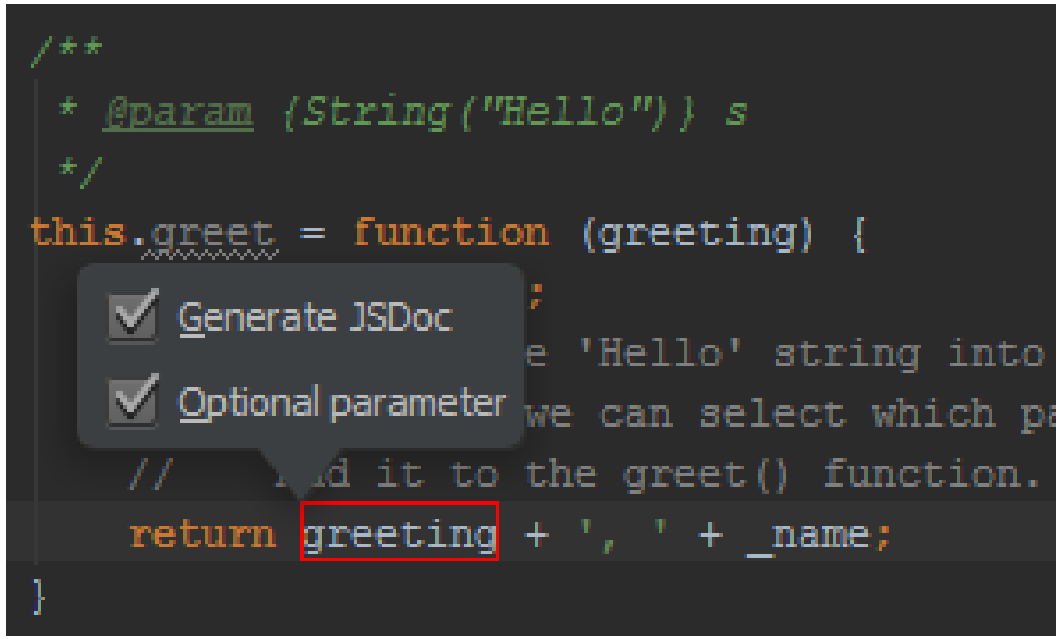
Ctrl+Alt+M

Command+Alt+M

Extract Parameter

http://www.jetbrains.com/phpstorm/webhelp/change-signature.html

Adds a new parameter to a function declaration. Determines the default. Can generate JSDoc.



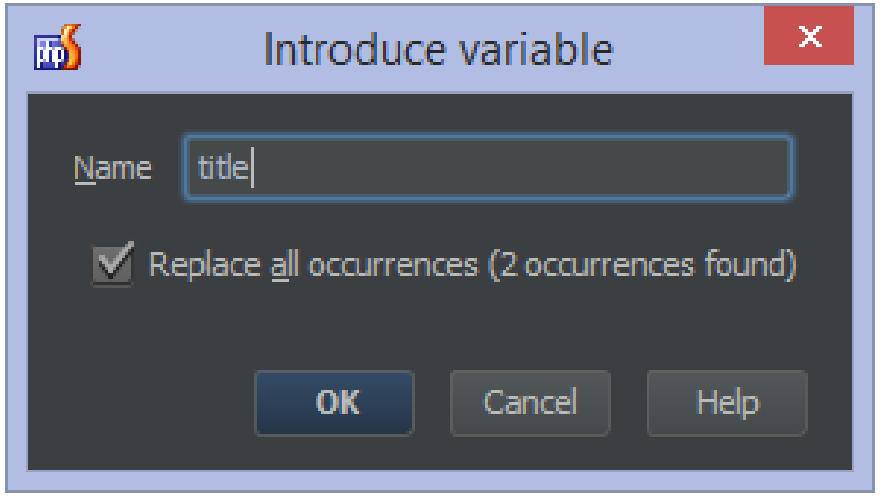
Ctrl+Alt+P

Command+Alt+P

Extract Variable

http://www.jetbrains.com/phpstorm/webhelp/extract-variable.html

Puts the result of a selected expression into a variable. The original expression is replaced with the new variable.



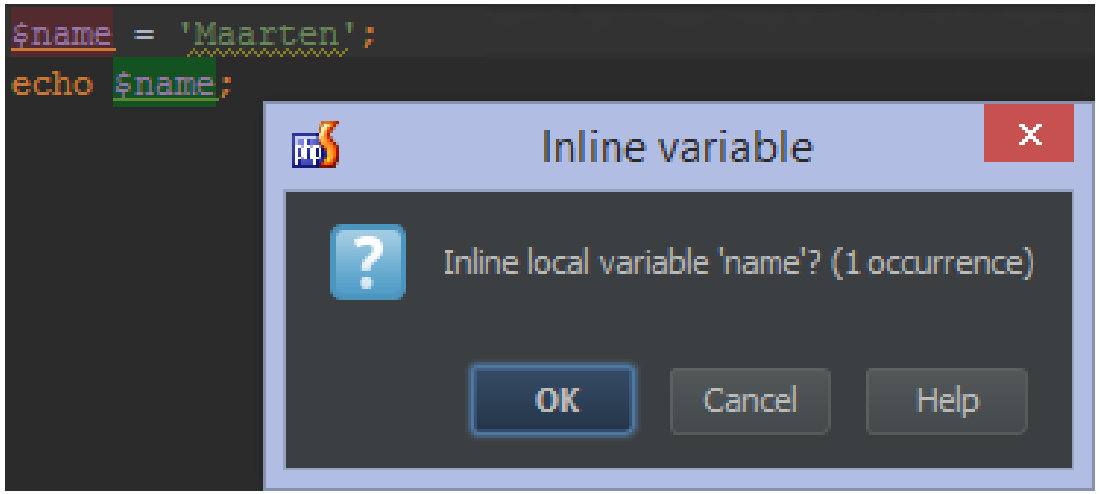
Ctrl+Alt+V

Command+Alt+V

Inline

http://www.jetbrains.com/phpstorm/webhelp/inline.html

Replace redundant variables or functions with the full expression. It is the opposite of **Extract Method**.



Ctrl+Alt+N

Command+Alt+N

Move

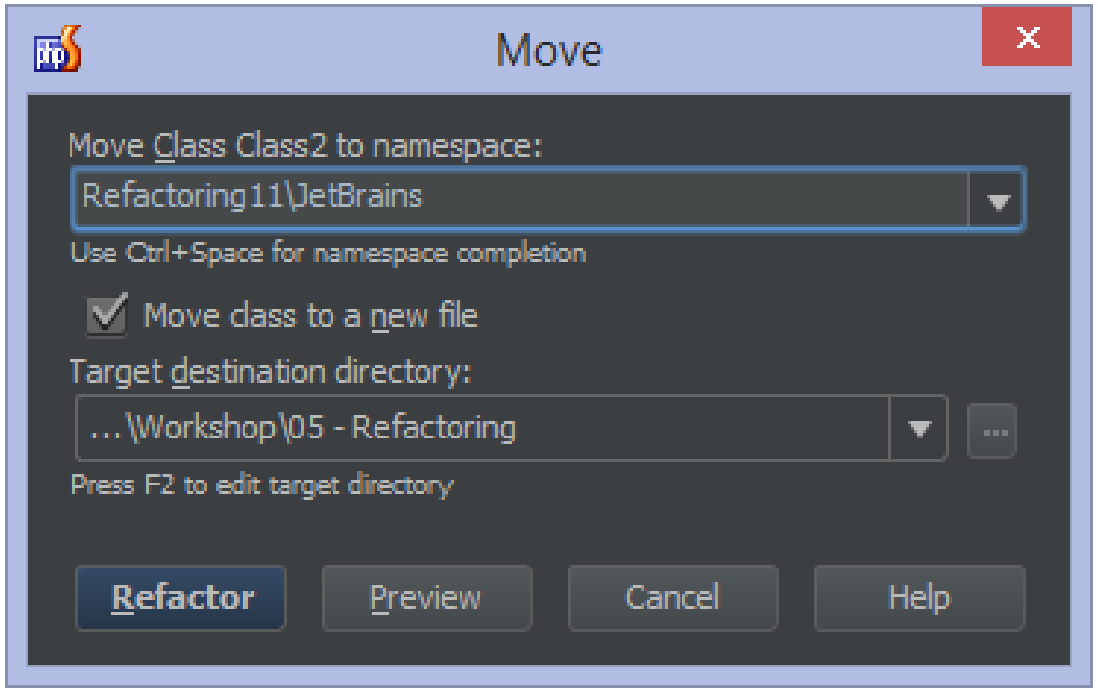
http://www.jetbrains.com/phpstorm/webhelp/move-refactorings.html

Changes the location of a file, directory, class or static member.

- Move File
- Move Directory
- Move Class
- Move Static Member

F6

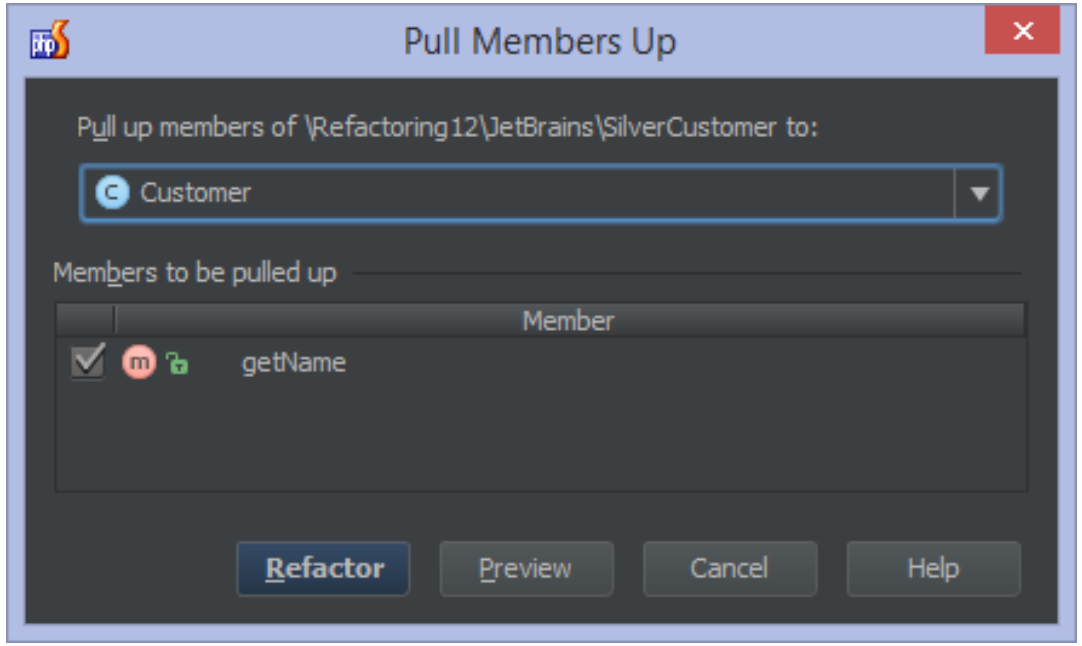

F6



Pull Members Up / Push Members Down

http://www.jetbrains.com/phpstorm/webhelp/pull-members-up.html

Move members from subclass to superclass or from superclass to subclass.



Rename

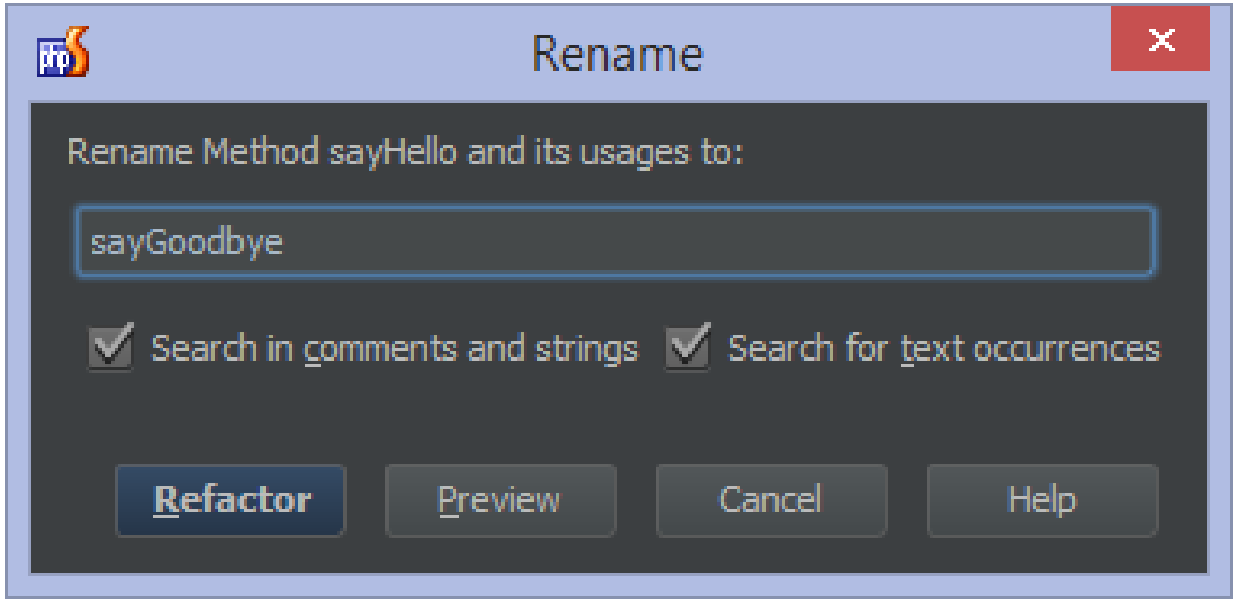
http://www.jetbrains.com/phpstorm/webhelp/rename-refactorings.html

Allow you to rename symbols, automatically correcting all references in the code.

- Rename Class
- Rename Method
- Rename Field
- Rename Function
- Rename Variable
- Rename Parameter
- Rename CSS color value
- Rename File
- Rename Directory

Shift+F6

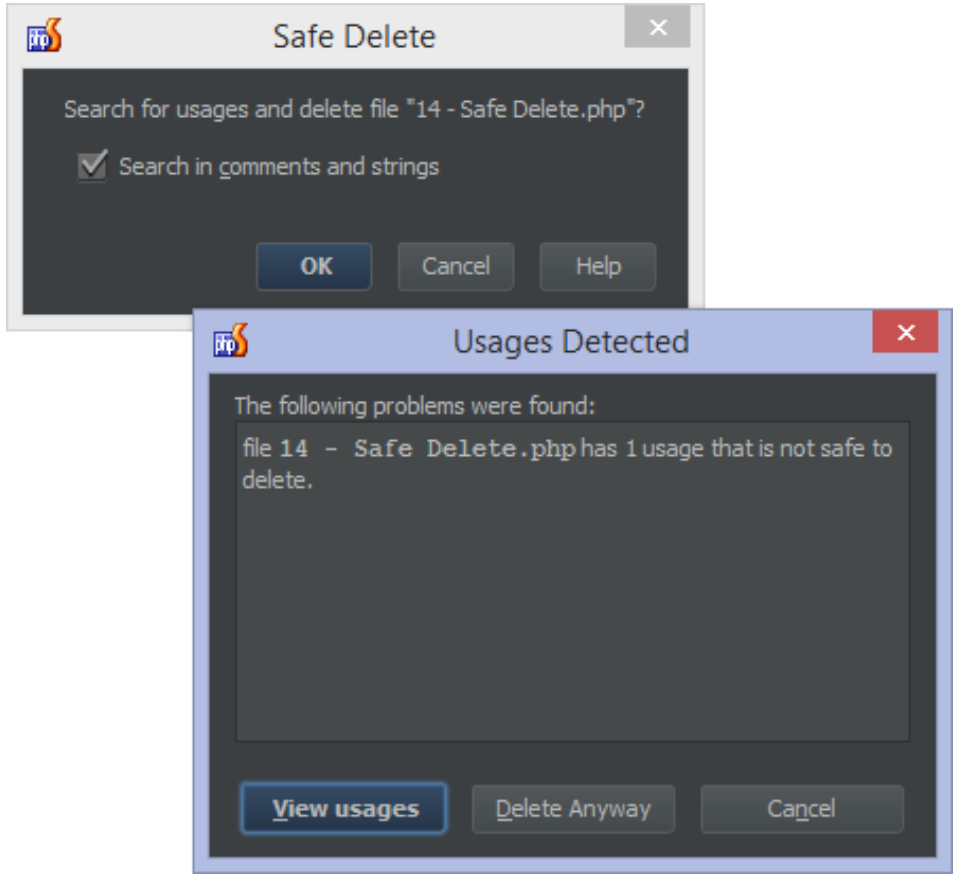
Shift+F6



Safe Delete

http://www.jetbrains.com/phpstorm/webhelp/safe-delete.html

Safely remove code or symbols.



Alt+Delete

Command+Delete

Debugging

Debugging

"Finding and reducing bugs"

In an IDE typically stepping through code & inspecting values in memory

PhpStorm needs one of these configured:

- Xdebug - http://confluence.jetbrains.com/display/PhpStorm/Xdebug+Installation+Guide
- Zend Debugger - http://confluence.jetbrains.com/display/PhpStorm/Zend+Debugger+Installation+Guide

Most features supported by both debuggers

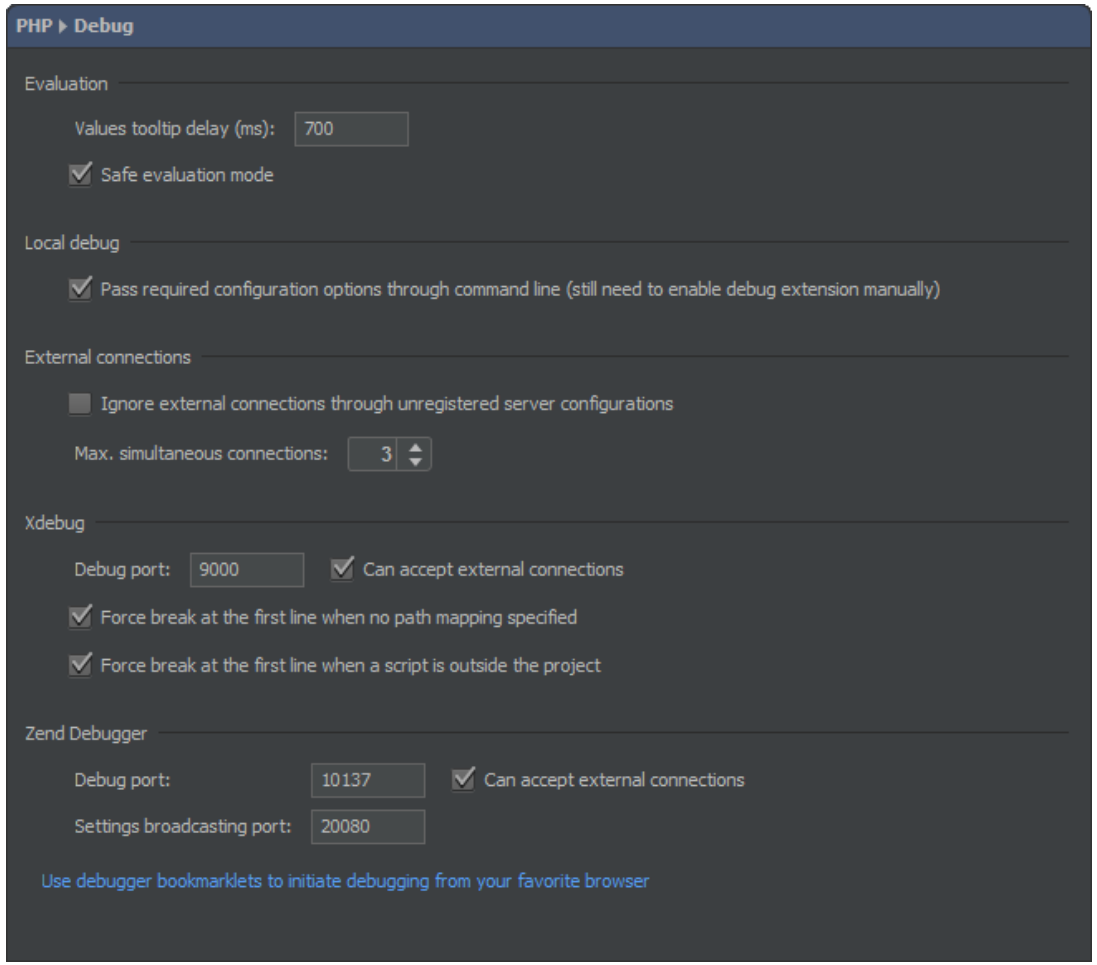
JetBRAINS

Settings

Debugger is configured through php.ini

Project Settings | PHP | Debug

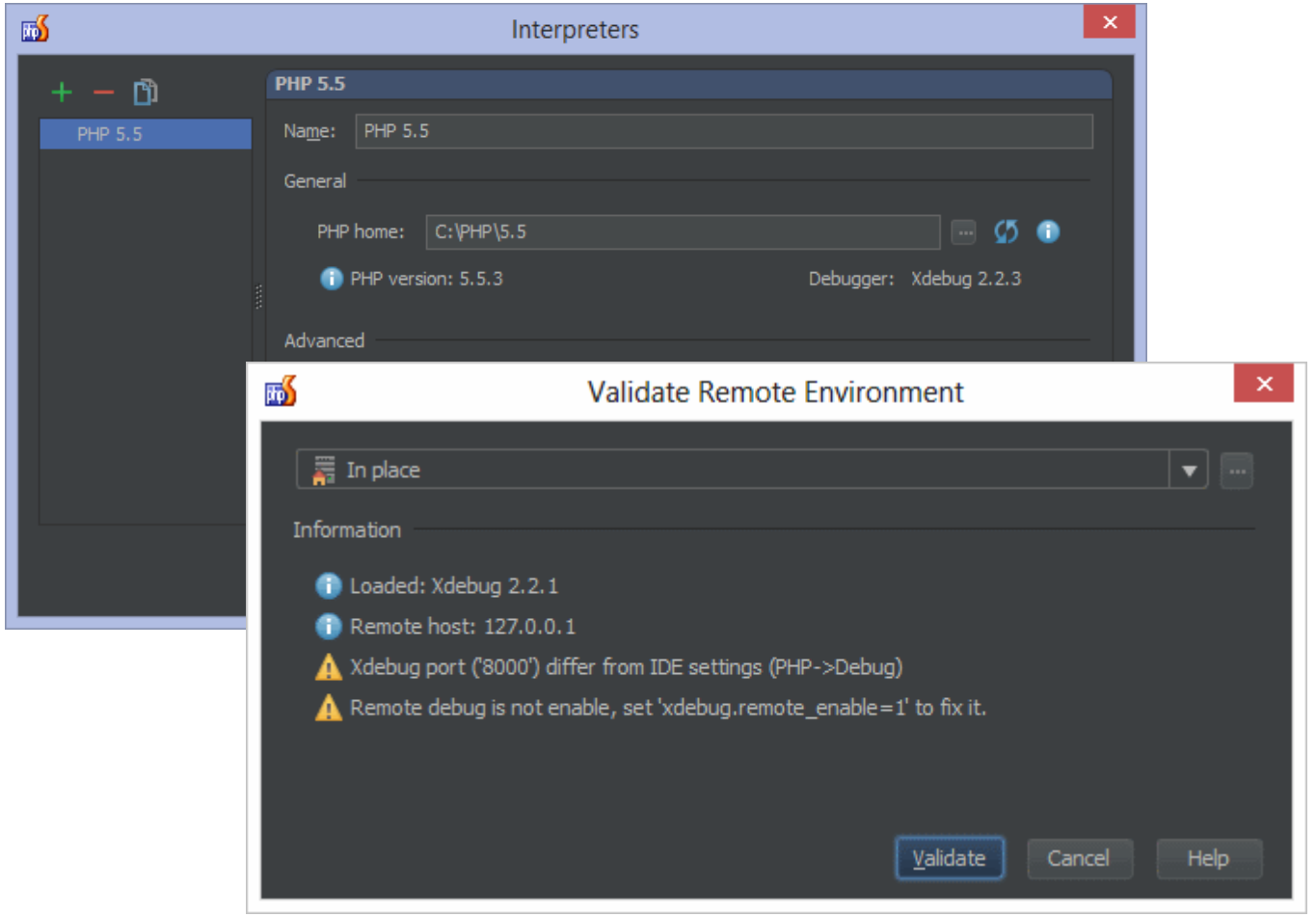
- How debug info is displayed in IDE
- Xdebug / Zend Debugger port number
- DBGp Proxy



Debugger Configuration Validation

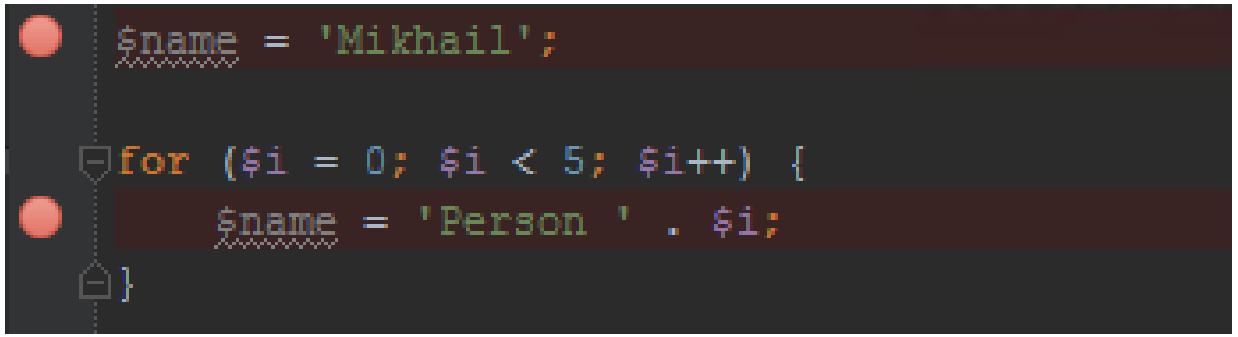
PhpStorm analyzes configuration

- Reports active debugger
- When a server is configured, reports configuration issues



Breakpoints

Tell the interpreter to pause execution and inspect variables.

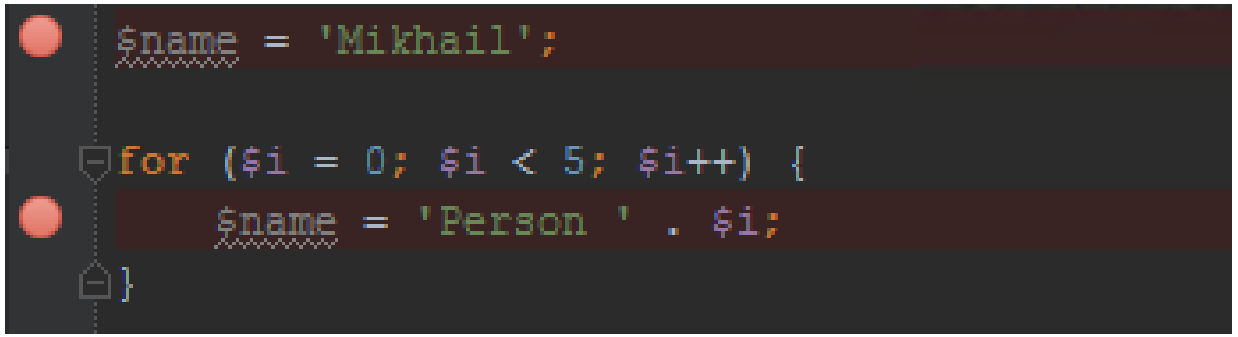


Ctrl+F8

Command+F8

Conditional Breakpoints

Tell the interpreter to pause execution and inspect variables, only when a specific condition is true.



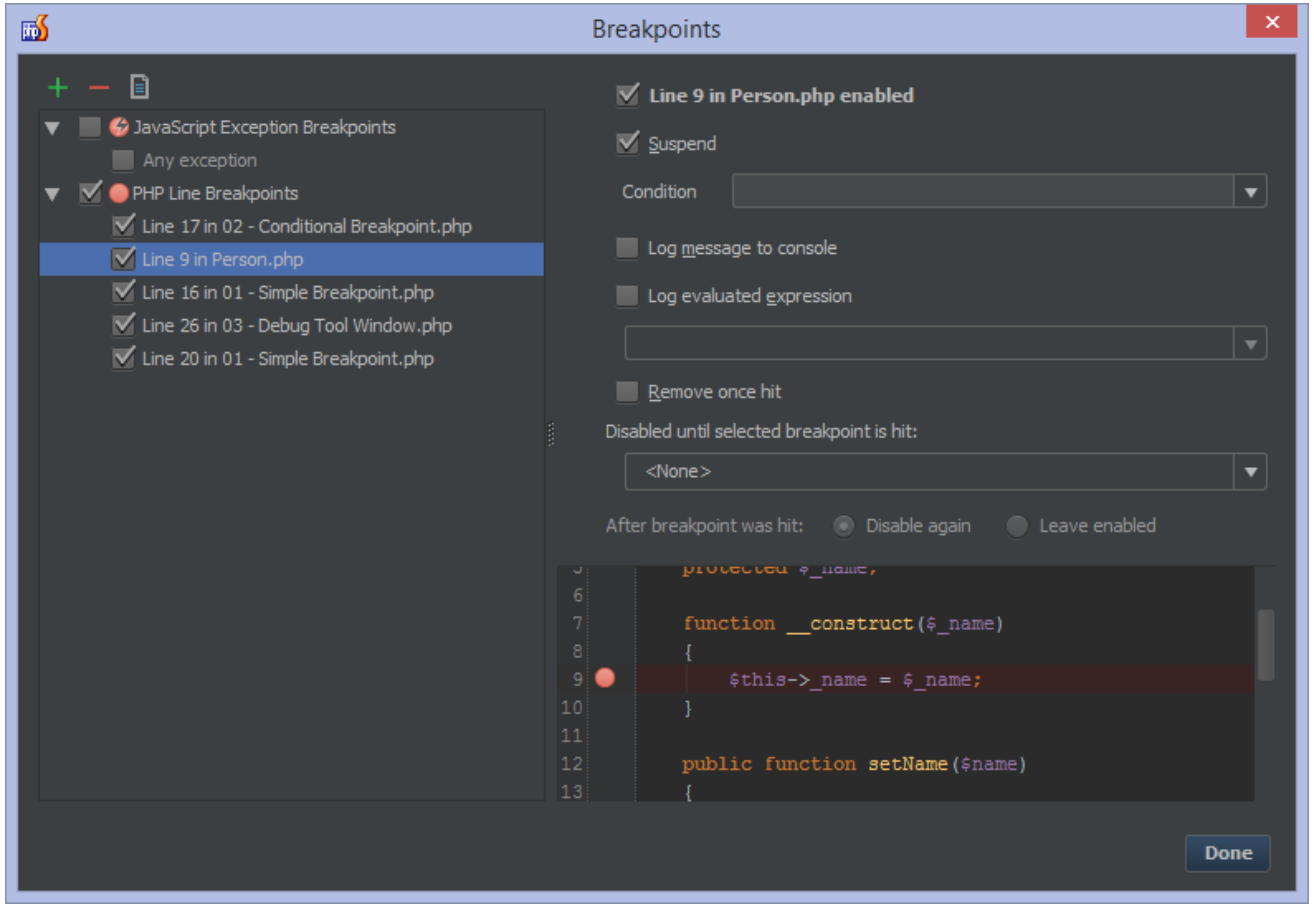
Ctrl+Shift+F8


Command+Shift+F8

Breakpoints

See breakpoints that are specified and configure additional options.

- Log a message to console
- Remove the breakpoint after it has been hit
- Disable breakpoint until another breakpoint has been hit



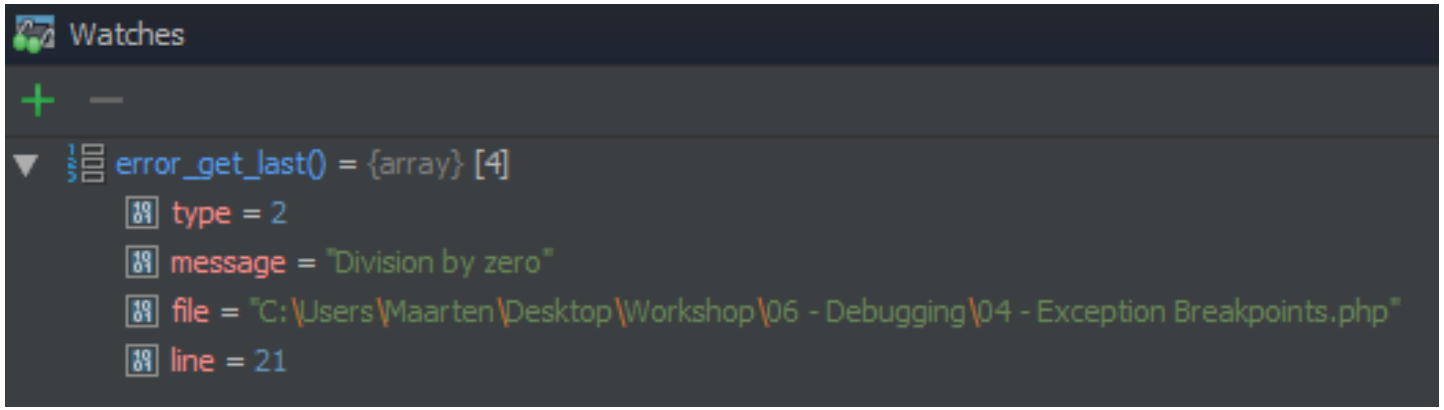
Ctrl+Shift+F8

Command+Shift+F8

Exception Breakpoints

Xdebug only!

Break when error, warning, notice or Exception occurs.



Ctrl+Shift+F8

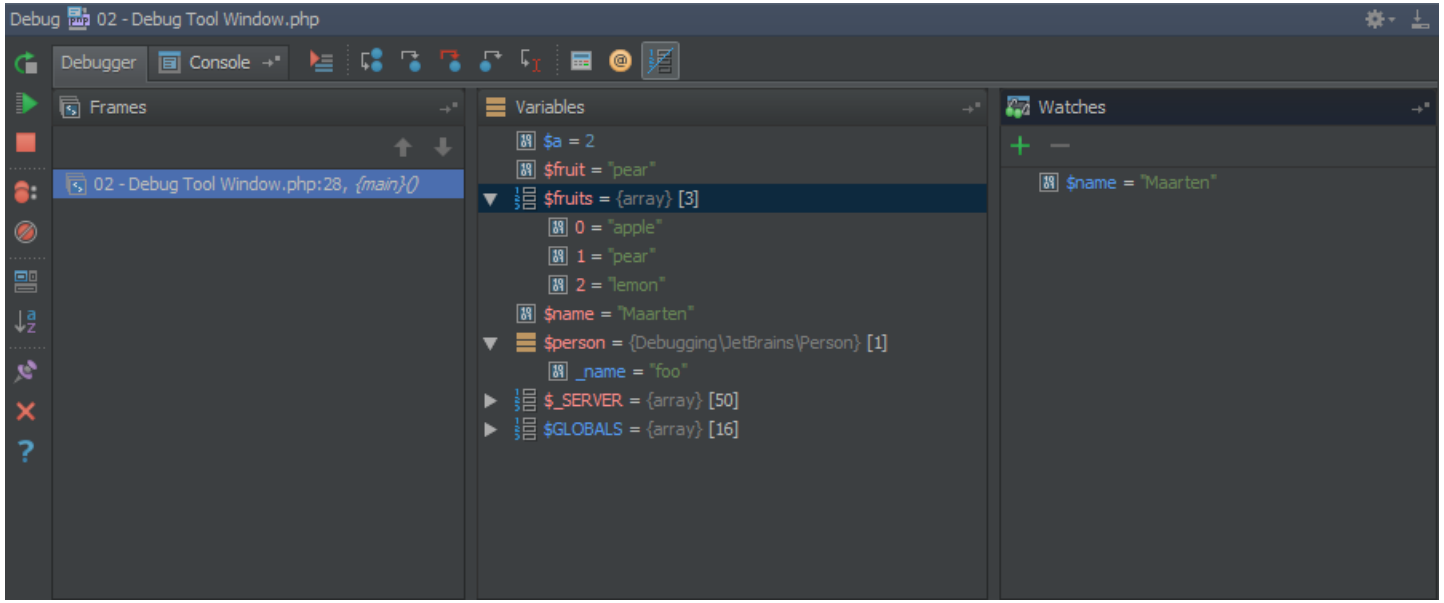
Command+Shift+F8

Debug Tool Window

Available during a debug session.

Showing execution details, variables, watches.

Allows running code / modifying variable value.



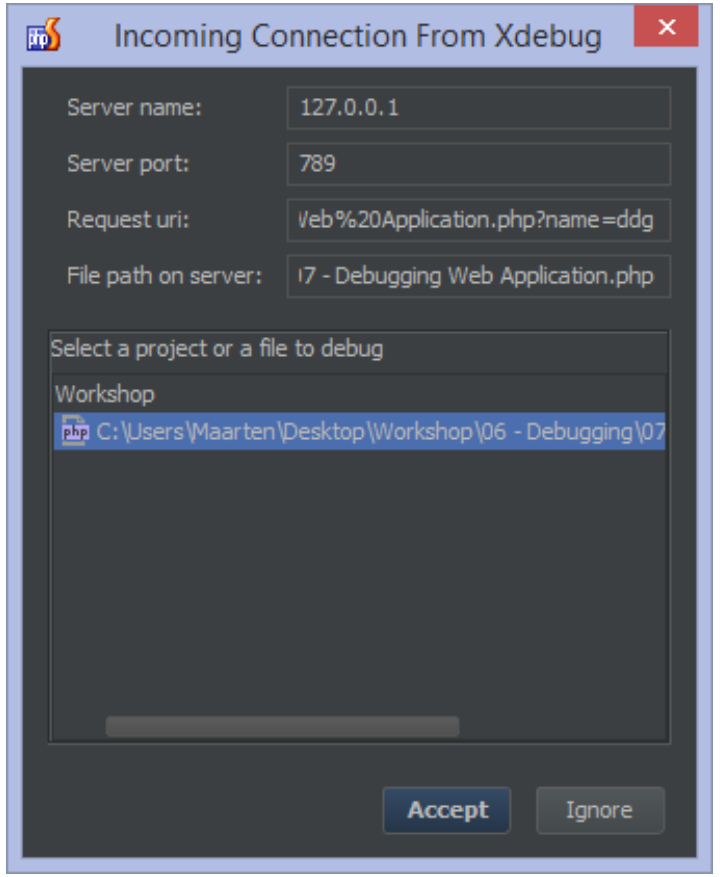
Alt+5, Alt+F8 evaluate expression

Command+5, Alt+F8 evaluate expression

Debugging a Web Application

Use a Run Configuration

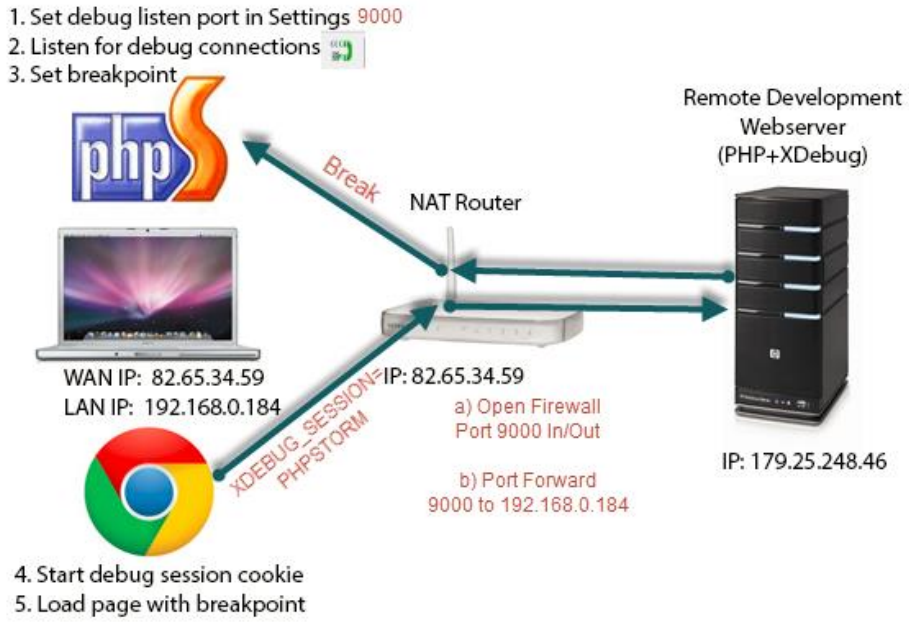
- PHP HTTP Request – automate the request
- PHP Web Application – start with debugging
- Listen for incoming connections and use bookmarklets or plugin



DBGp Proxy

Debug on remote server.

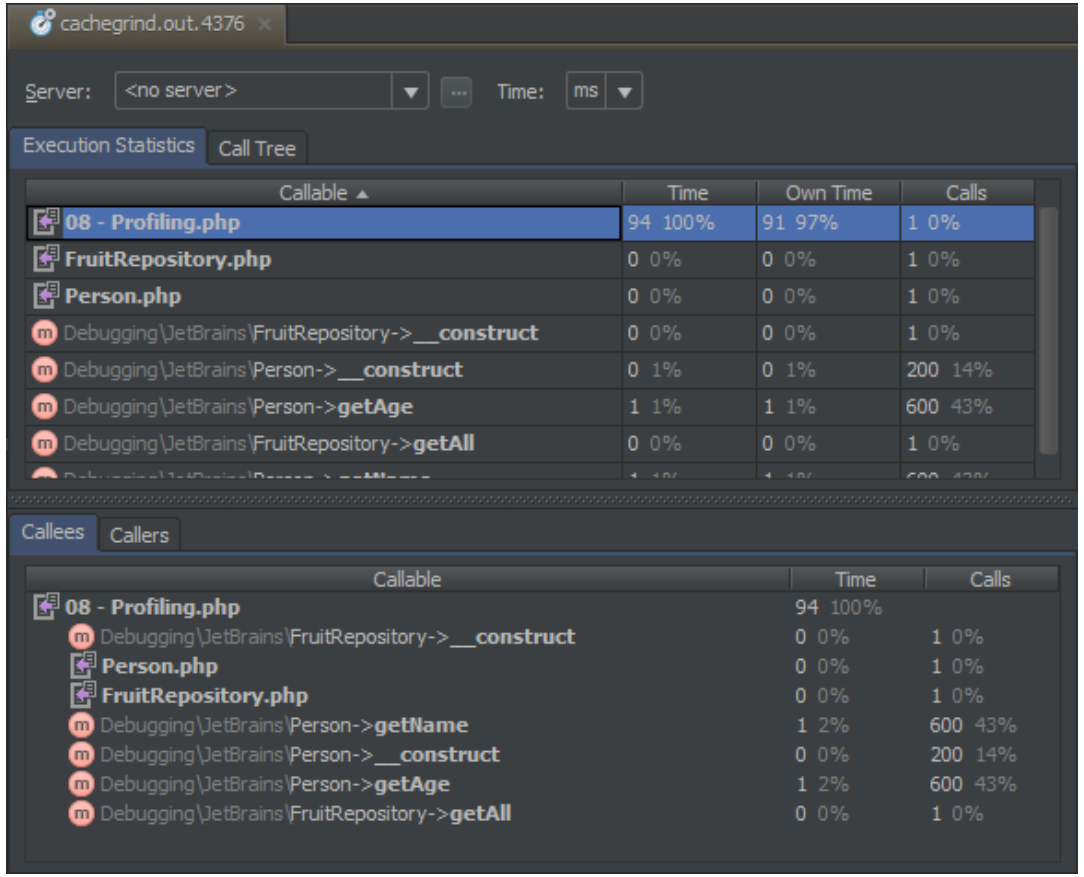
Every developer can use different IDE key and debug independent from each other.



From http://matthardy.net/blog/configuring-phpstorm-xdebug-dbgp-proxy-settings-remote-debugging-multiple-users/

Profiling

Insight into # of calls, execution times per function, ...

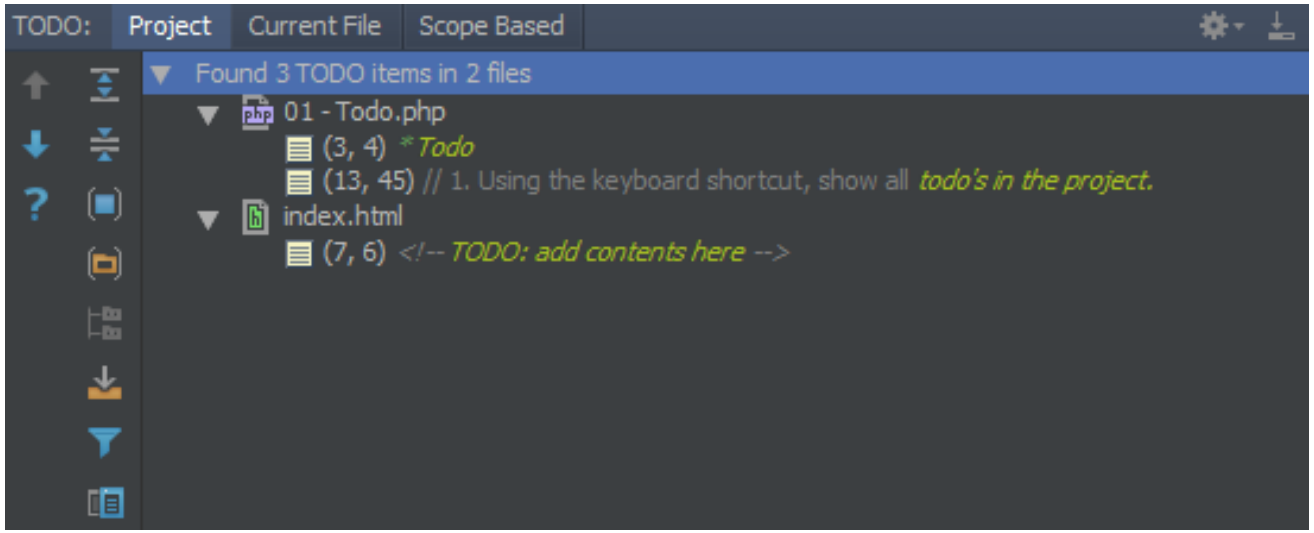


Todo explorer

Highlighting TODO

Listing tasks commented in code.

- Work in every file type.
- Default patterns:
  - *// todo*
  - *// fixme*



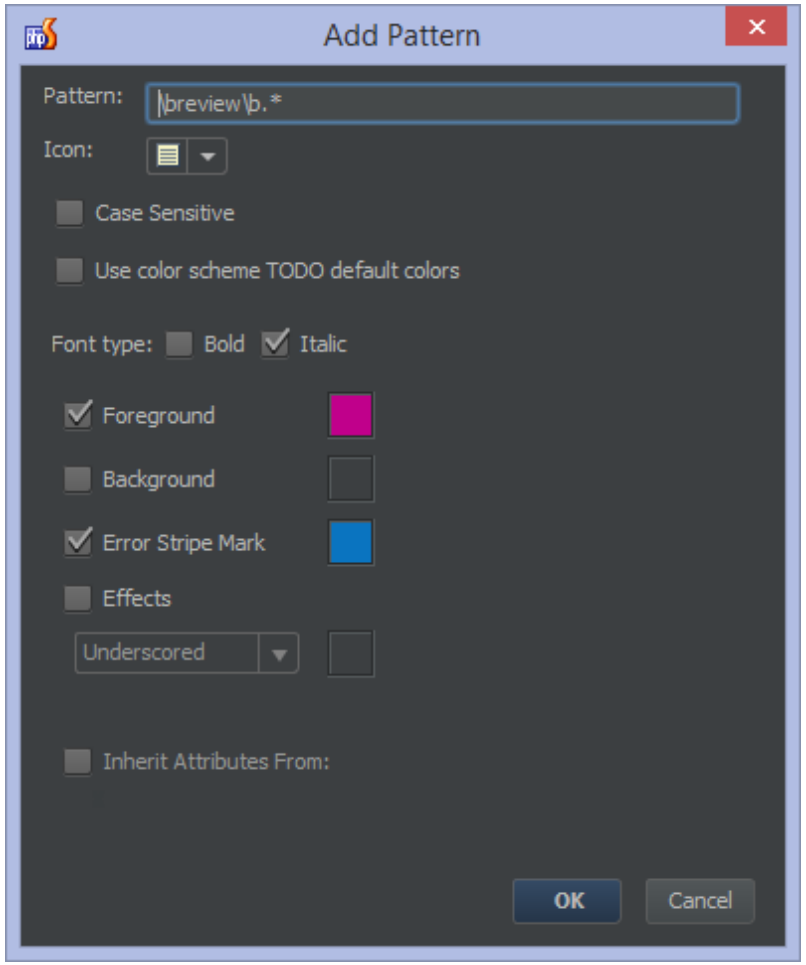
Alt+6

Command+6

JetBRAINS

Patterns

Customize todo patterns to recognize other keywords.

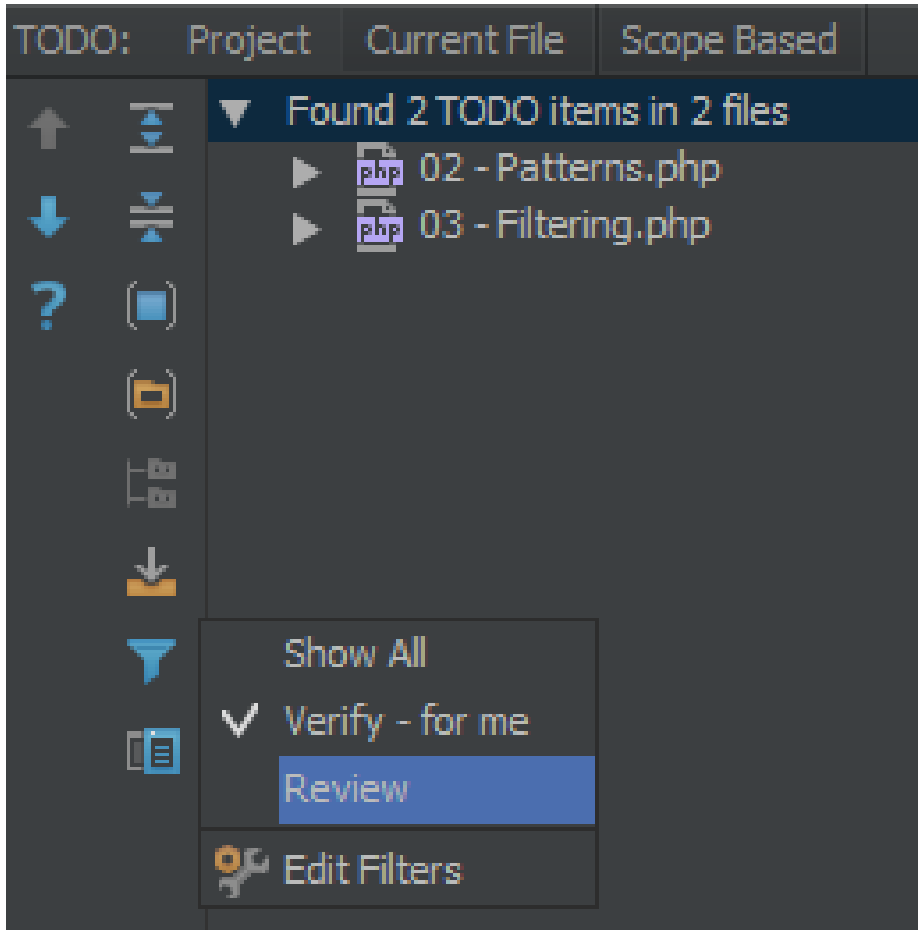


Ctrl+Alt+S

Command+,

Filtering

Filter tasks in the tool window based on pattern.



Alt+6

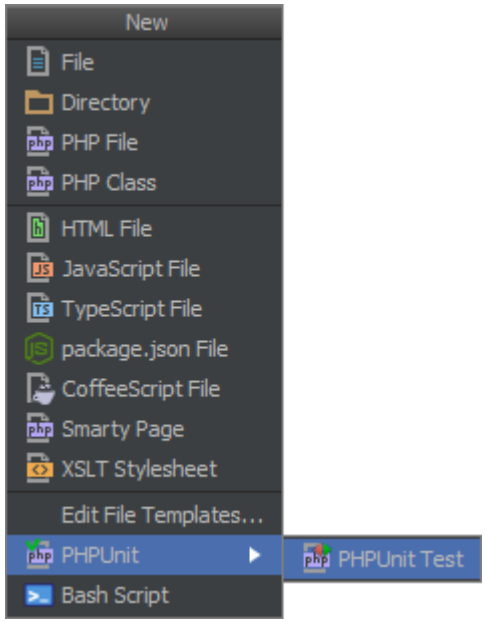
Command+6

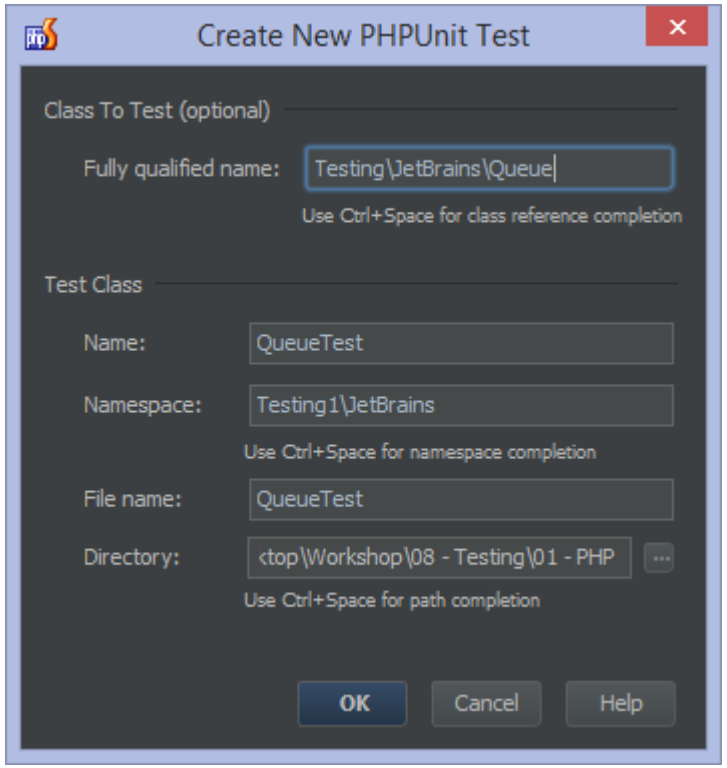
Unit Testing

Writing PHPUnit tests

Create new file, select PHPUnit test.

Specify unit test details.





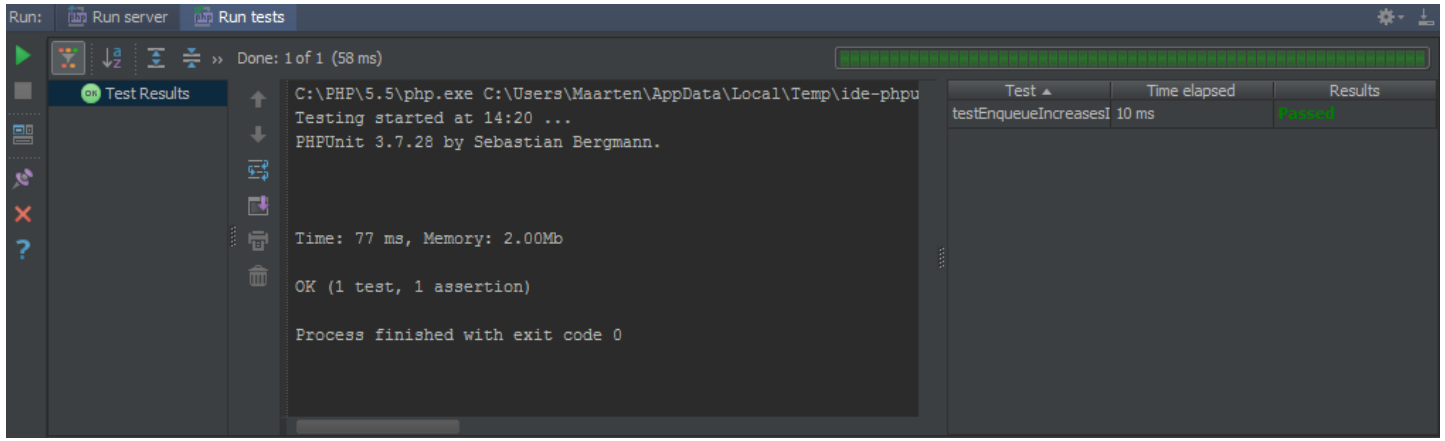
Alt+Insert or Ctrl+Shift+T (Go to Test)

Command+N or Command+Shift+T (Go to Test)

Running PHPUnit tests

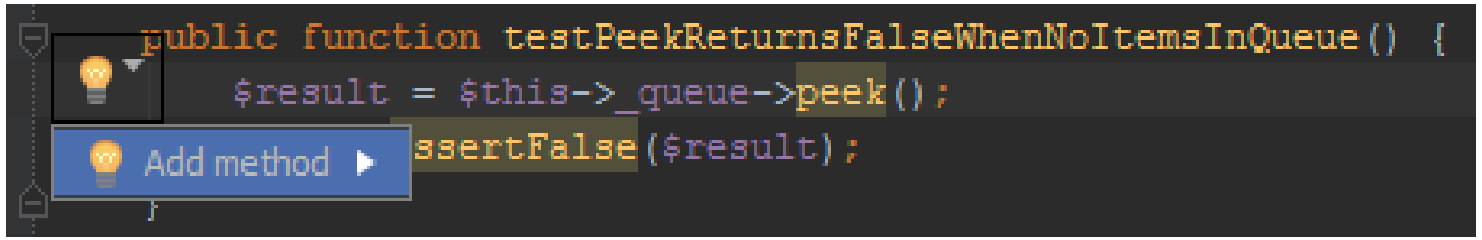
Run Unit Tests using PHPUnit. Note that the PHPUnit framework can be acquired through PEAR or Composer.

- Can be run local or on remote server (see http://www.jetbrains.com/phpstorm/webhelp/run-debug-configuration-phpunit-on-server.html)



Test-Driven Development (TDD)

Writing tests first, outlining expected results, after which the method under test gets implemented.



Alt+Enter

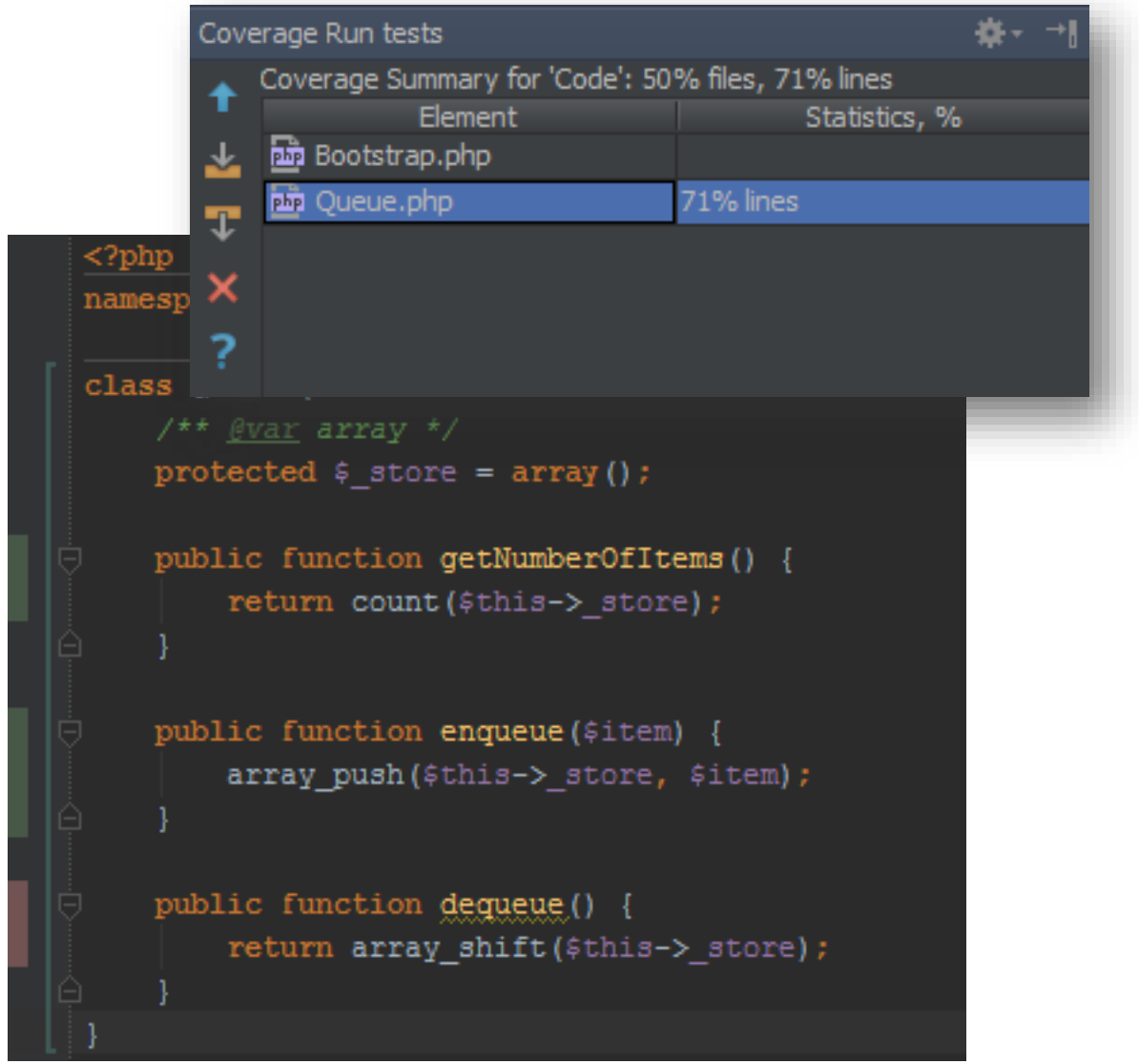
Alt+Enter

JetBRAINS

Code Coverage

See which statements have been tested and which statements have not.

- Use the “Run tests with Coverage” action.
- See https://www.jetbrains.com/phpstorm/webhelp/coverage.html



JavaScript Unit Testing

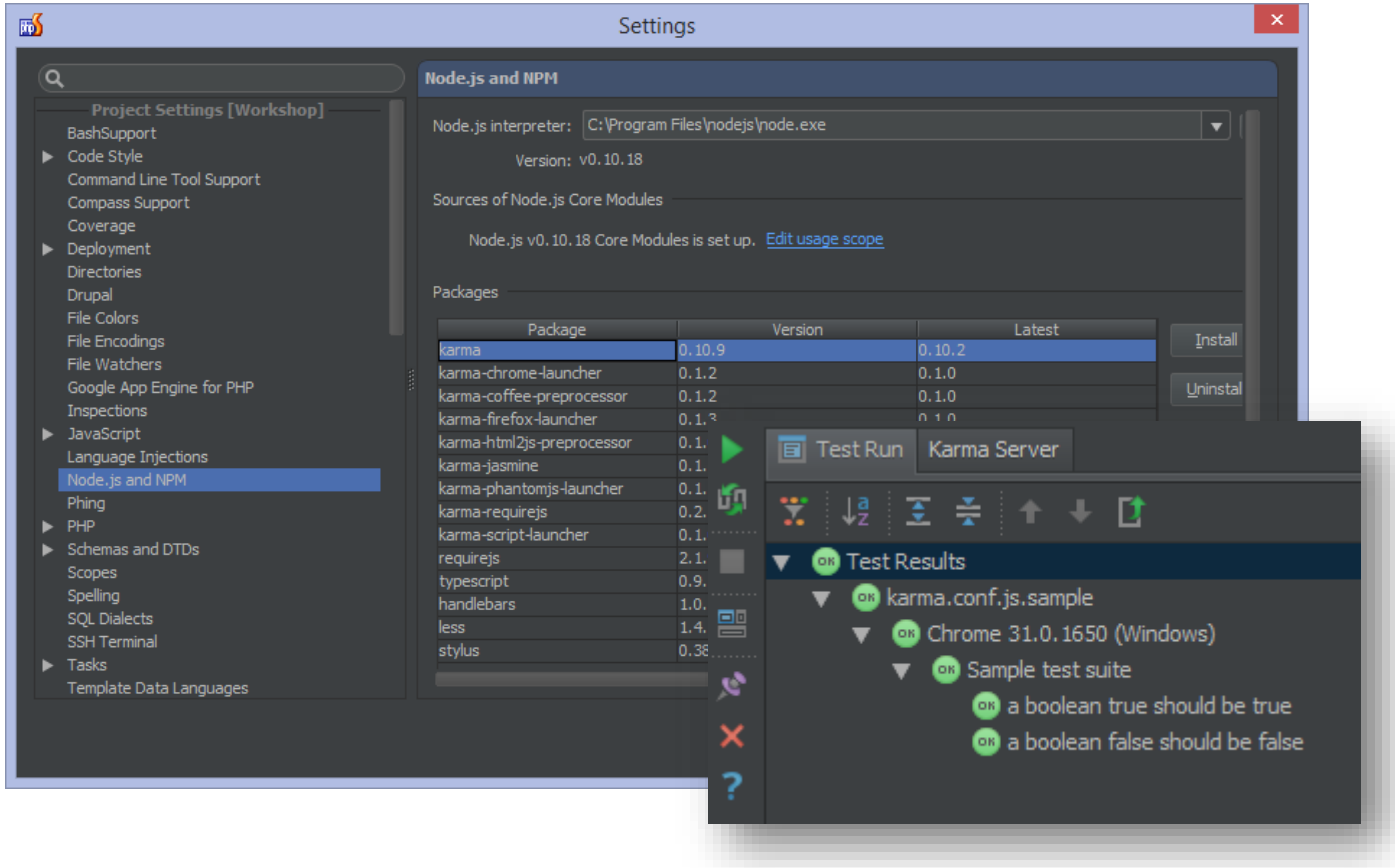
May require a plugin to be installed, e.g. Karma

Using Karma or JSTestDriver.

- Installing Karma through NPM
  https://www.jetbrains.com/phpstorm/webhelp/preparing-to-use-karma-test-runner.html
- Installing JSTestDriver
  https://www.jetbrains.com/phpstorm/webhelp/preparing-to-use-jstestdriver-test-runner.html

Support for

- JSTestDriver Assertion framework
- Jasmine
- QUnit
- Mocha



Version Control

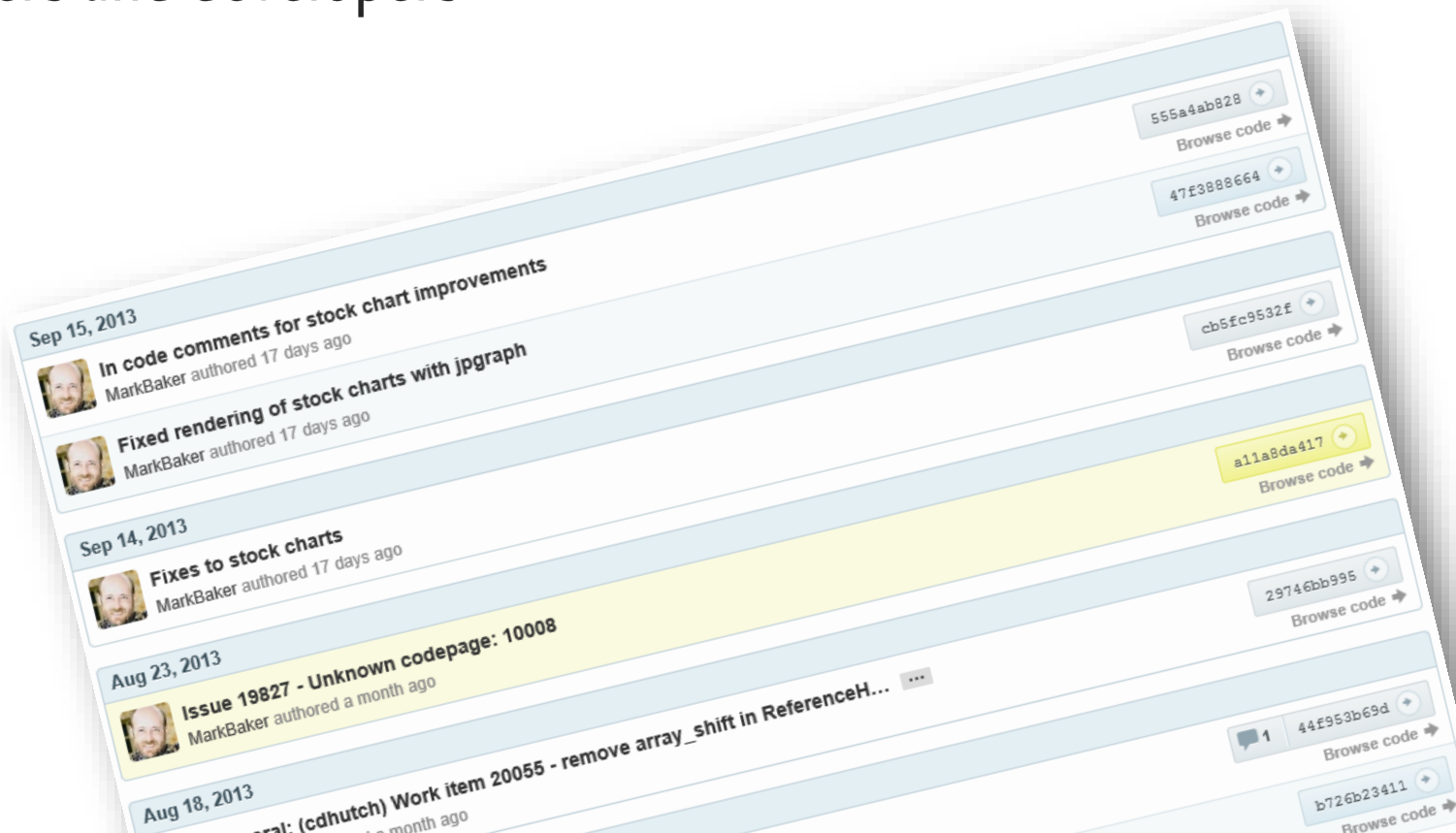
Version Control

Keep a log of all changes

Synchronize copies across computers and developers

Go back in time

- Who did what when why?
- Compare versions
- Rollback versions



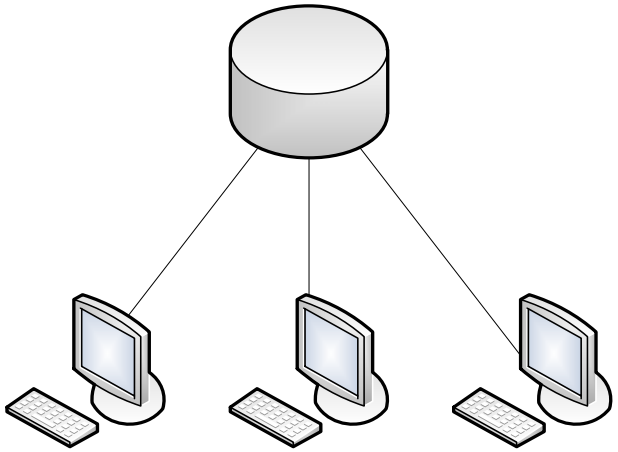
Concepts

- Repository (local / remote)
- Checking out / cloning
  - Fetch copy from repository
- Commit
  - Submit changes to repository
- Revision / changeset
  - What changed? When? Who? Why?
  - Stored in order
- Conflicts
- Diff
- Branching / merging

JetBRAINS

Flavours

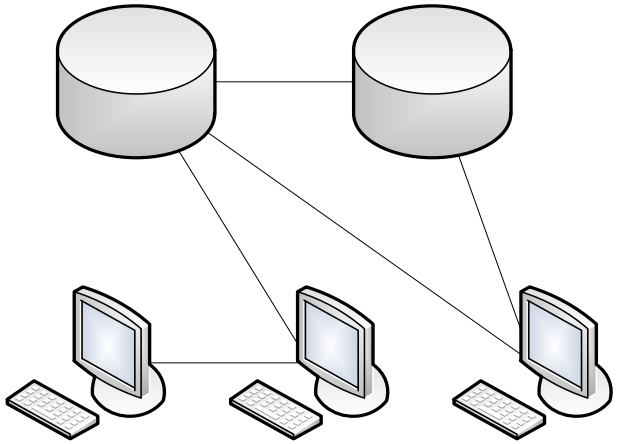
CENTRALIZED VERSION CONTROL



Central repository = entire history

Devs work on a version and sync

DECENTRALIZED VERSION CONTROL



Devs have copy of entire history

Work on a version and sync with any

Products all use different terms…

Checkout / Clone / Export

Commit / Check In

Push / Submit

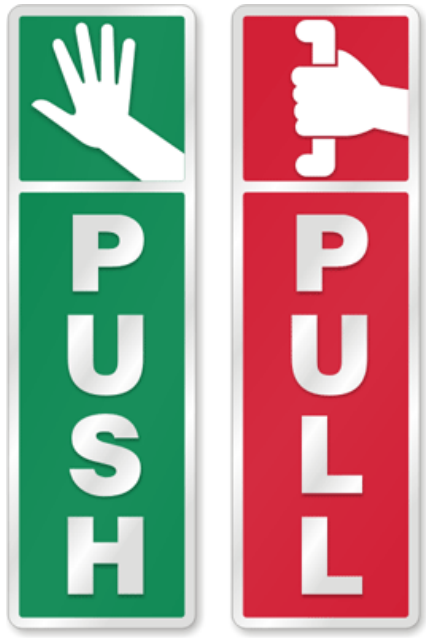
Revert / Roll back

History / Log

Annotate / Blame

Compare / Diff

…



But they are similar in nature!

Unified VCS functionality in the IDE
- CVS
- Git
- Subversion
- Mercurial
- Perforce
- TFS (via plugin)
- (others through plugins)

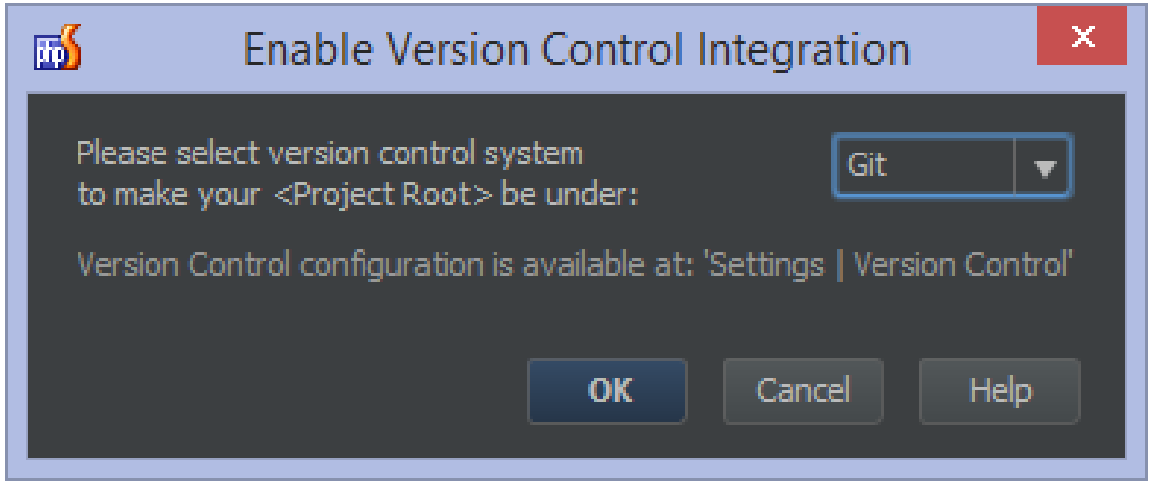
IDE enriched with specific functionality (e.g. push/pull)

JetBRAINS

Enabling VCS integration

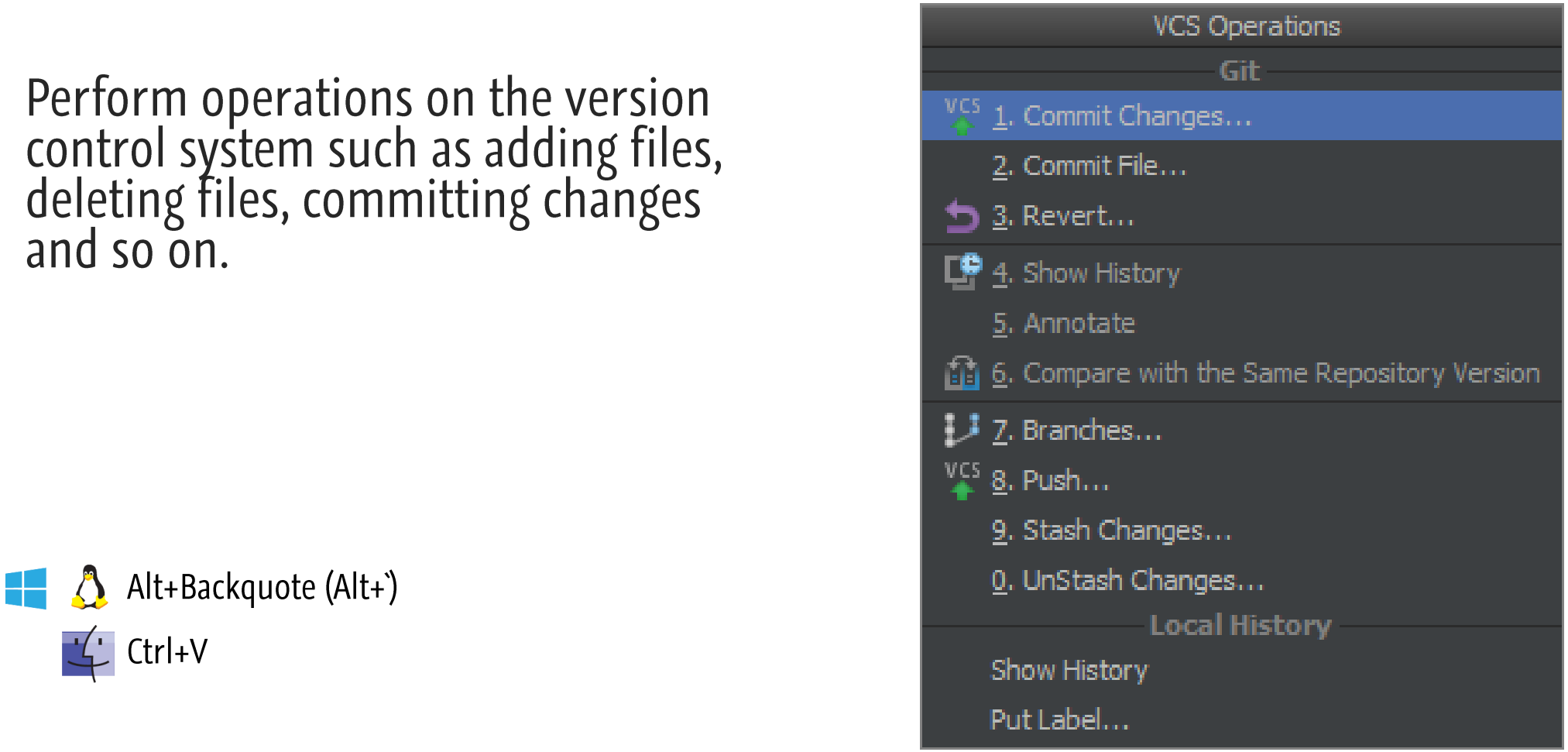
Telling the IDE that the project is under a VCS system.

- Use the VCS menu.



VCS operations

Perform operations on the version control system such as adding files, deleting files, committing changes and so on.

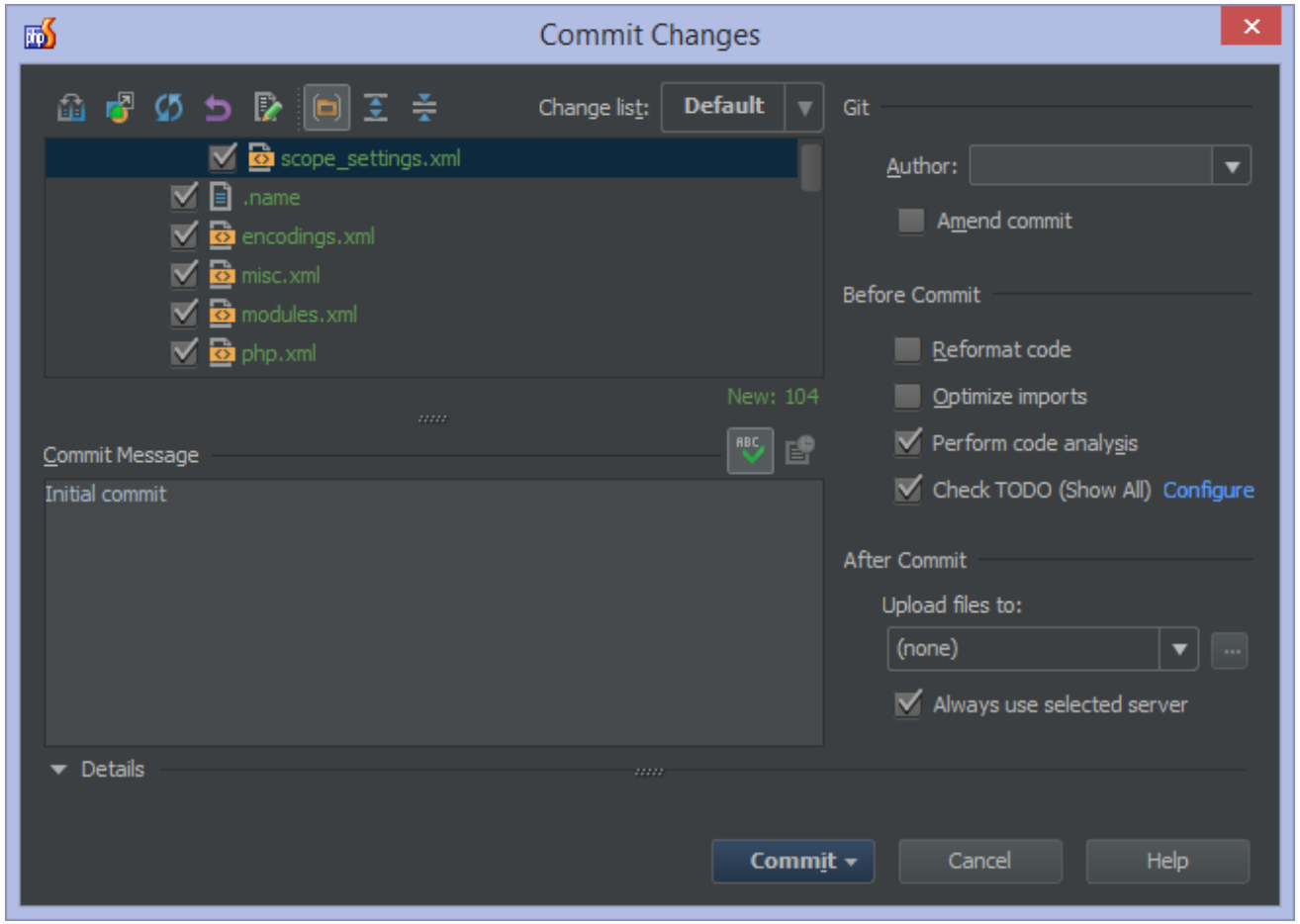


Alt+Backquote (Alt+`)

Ctrl+V

Committing Changes

Persisting the current changeset as a logical operation in the VCS, with a comment, author, ...

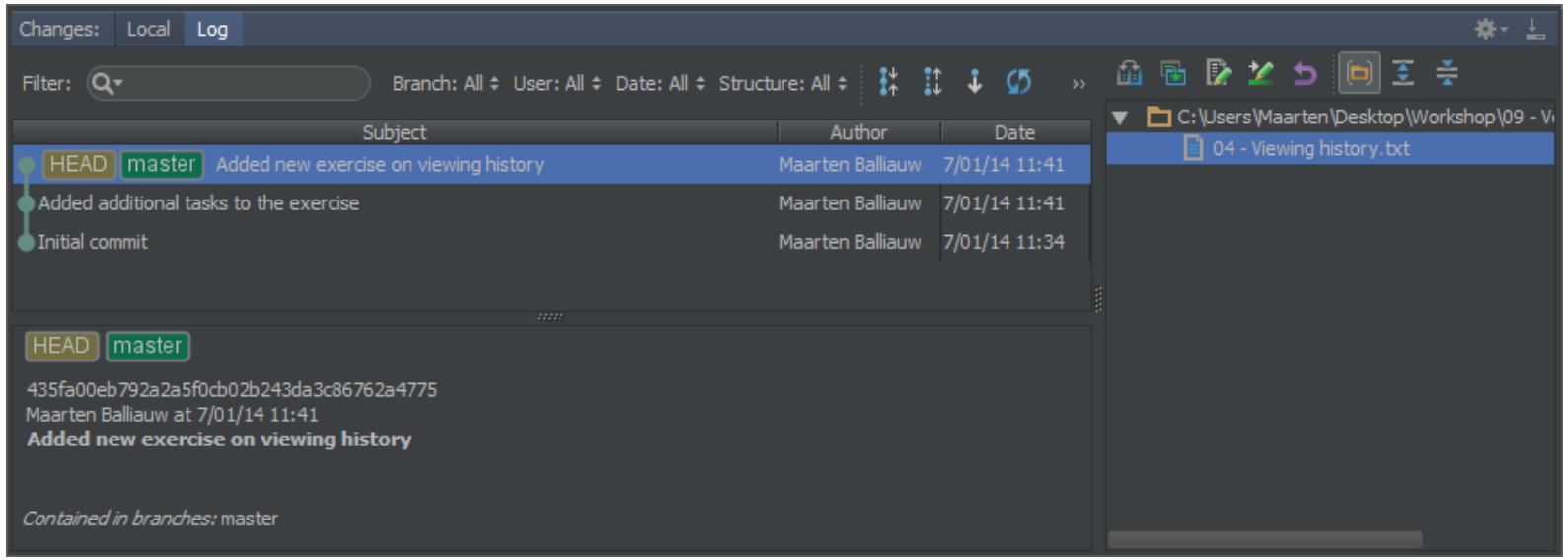


Ctrl+K

Command+K

Viewing History

View all information related to previous commits.

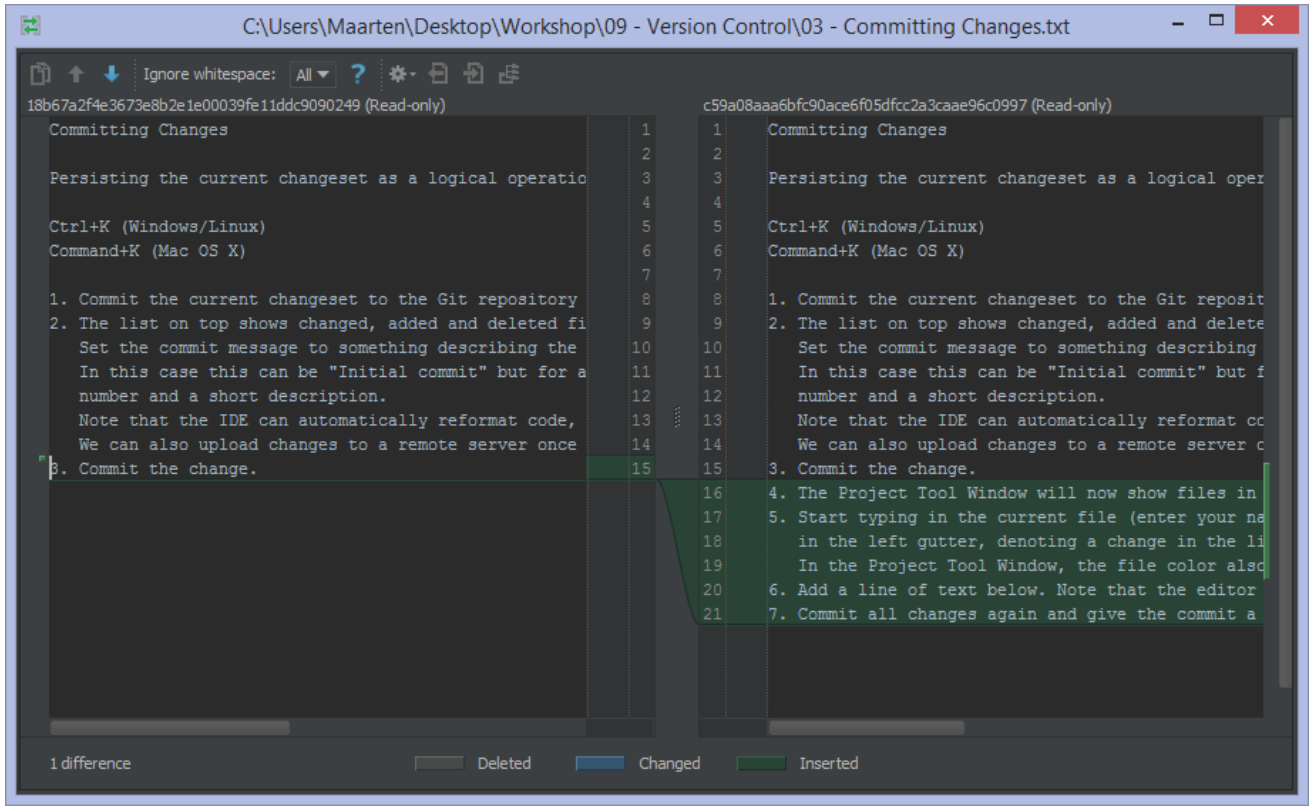


Alt+9

Command+9

Viewing Diff

Show changes made to a particular file.

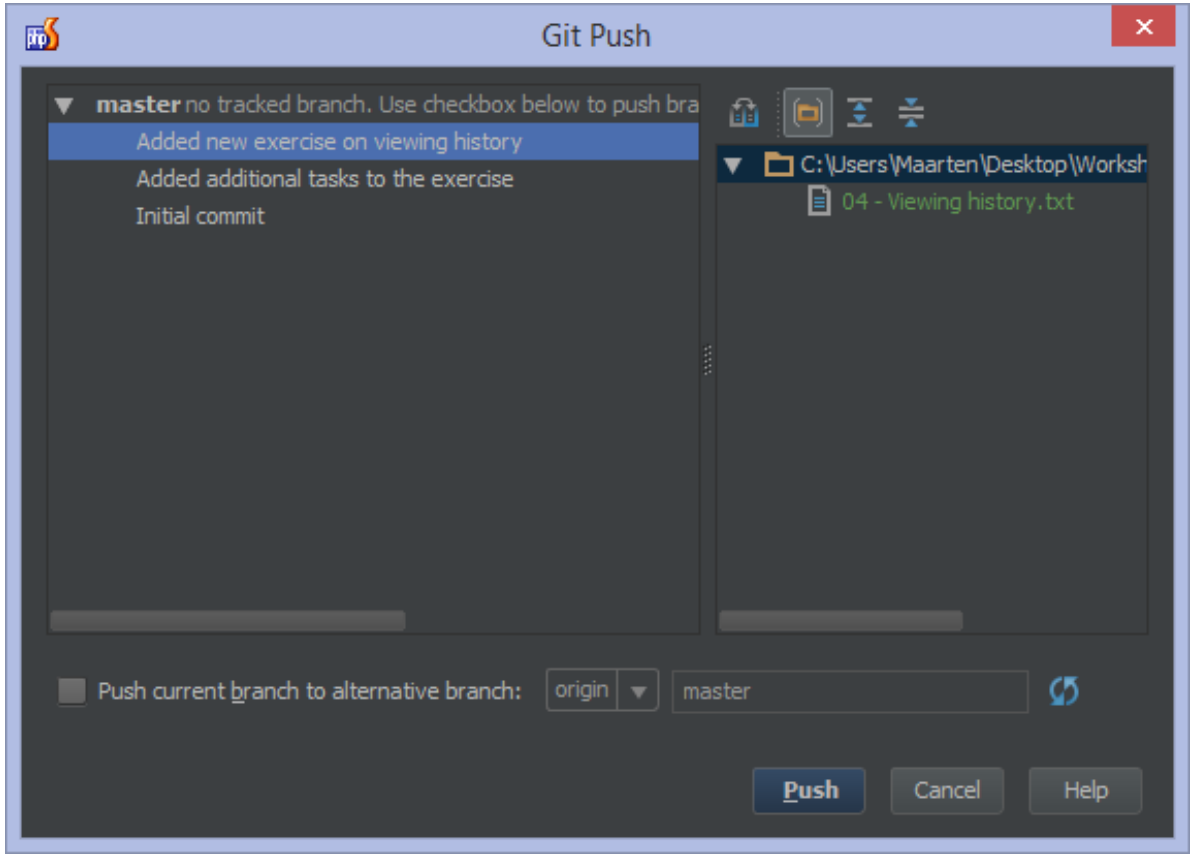


Ctrl+D

Command+D

Git/Mercurial: Push/Pull

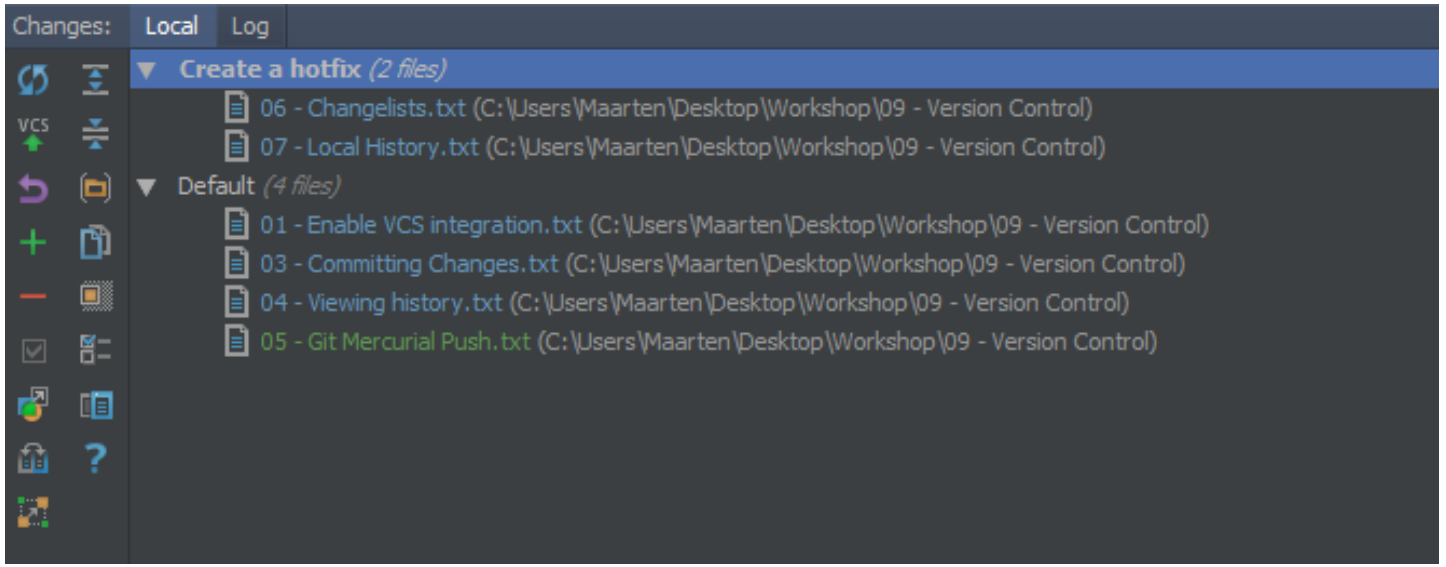
Persist local copy of VCS repository to remote copy.



Changelists

Work on multiple logical changes at the same time.

- Name changelist.
- Can be committed / shelved.

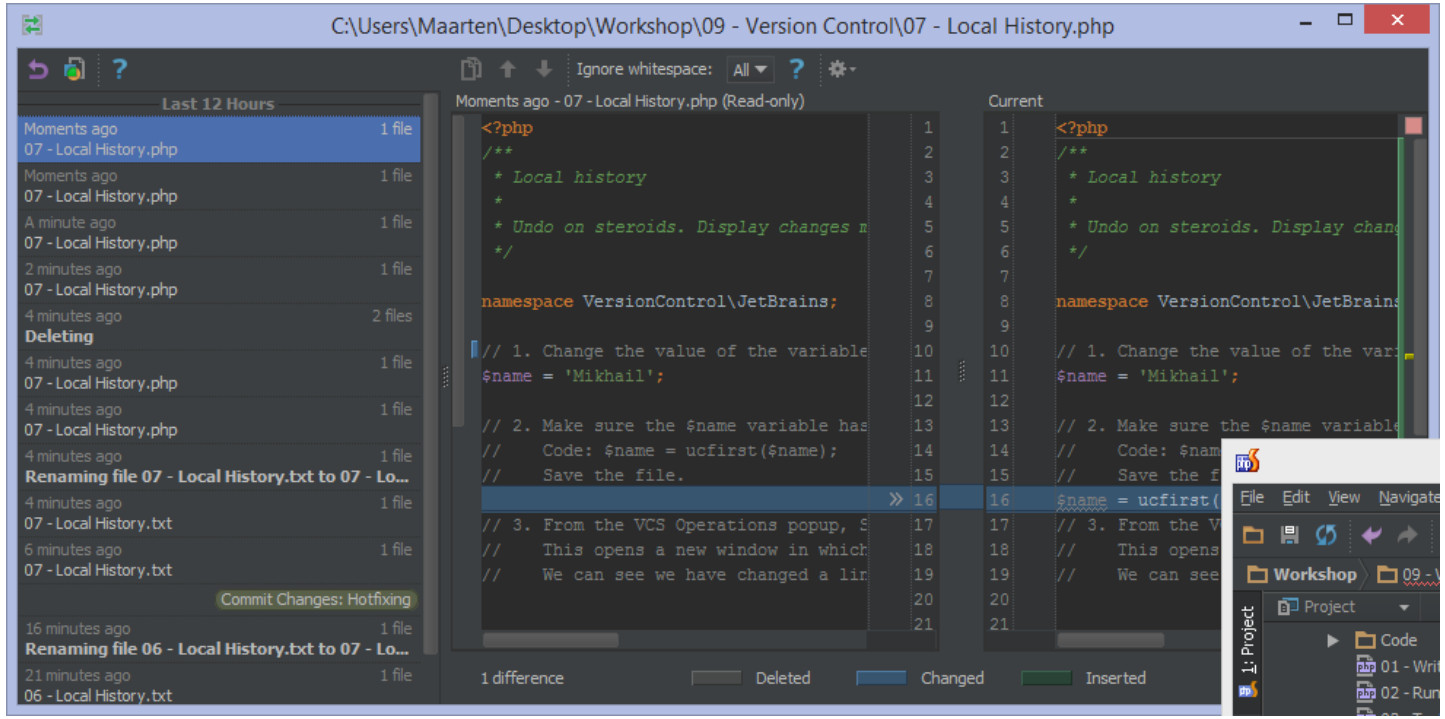


Alt+9

Command+9

Local history

Undo on steroids. Display changes made between commits, revert local changes, ...



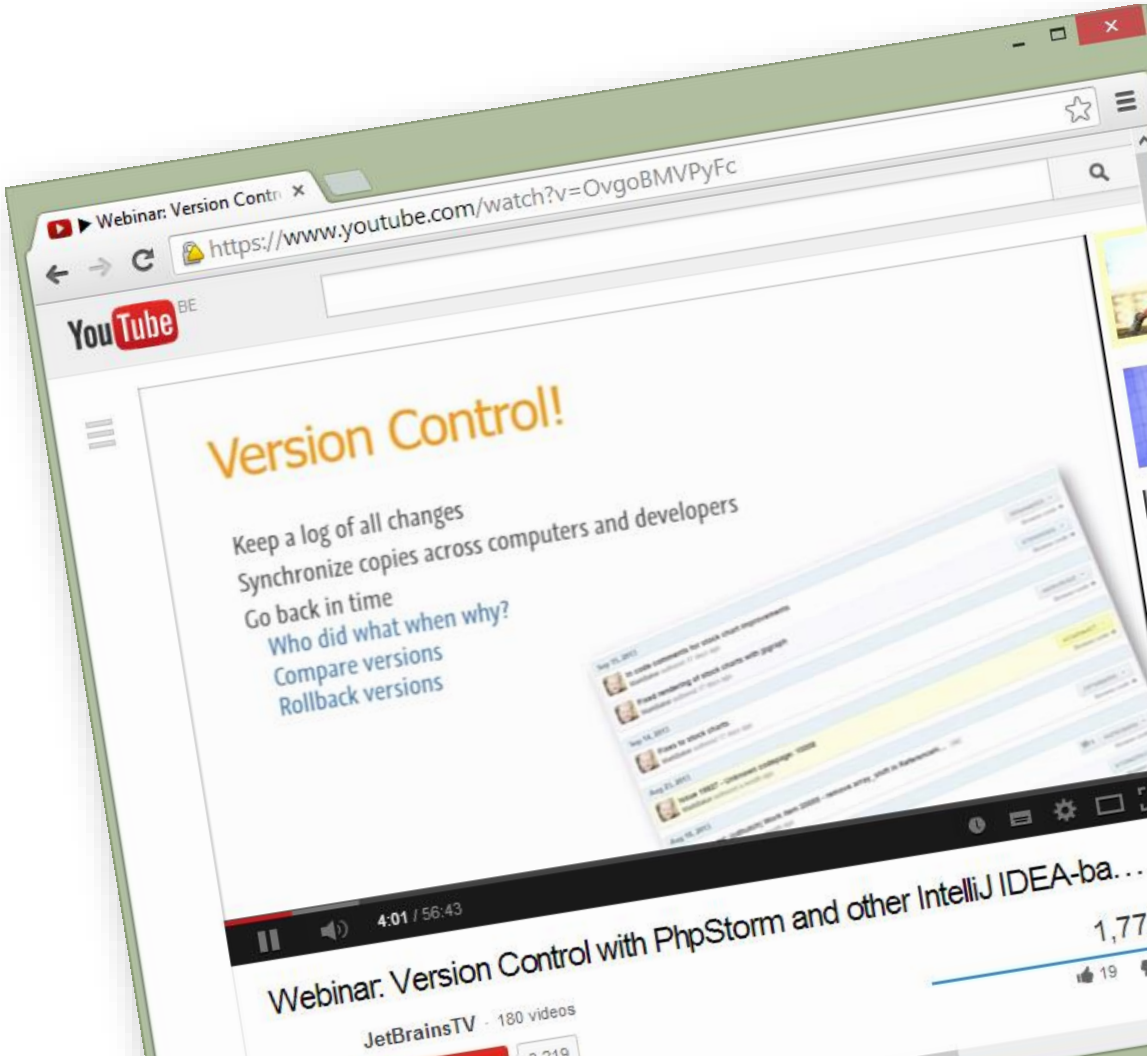
Resources

Webinar recording

https://www.youtube.com/watch?v=OvgoBMVPyFc

Web help

http://www.jetbrains.com/phpstorm/webhelp/version-control-with-phpstorm-2.html

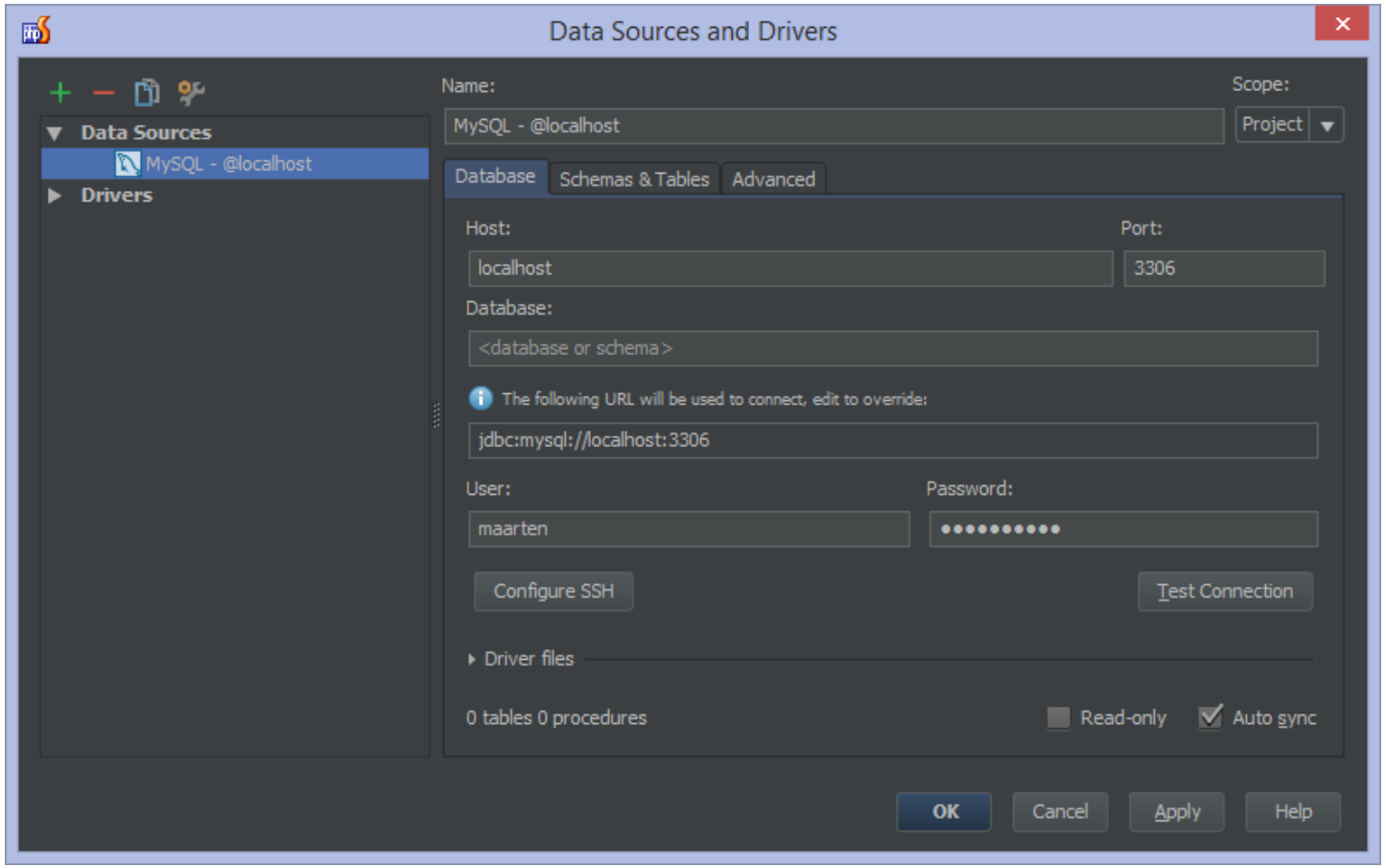


Databases

Connecting to a database (server)

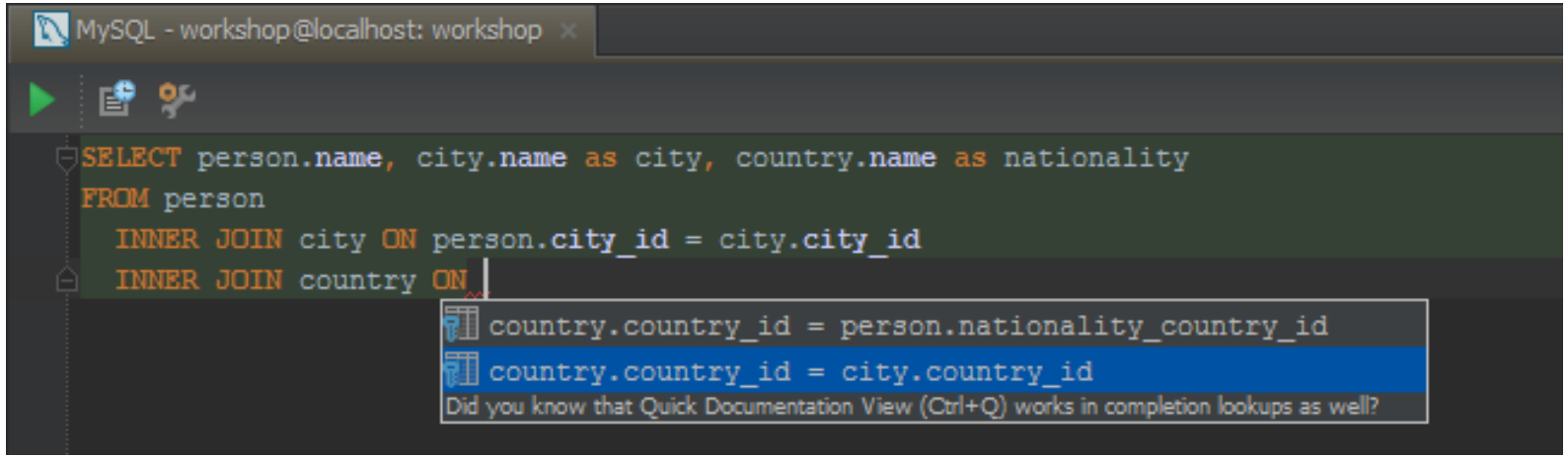
Connecting to MySQL, DB2, Derby, SQL Server, Oracle, PostgreSQL, Sybase, H2, sqlite, Google, ...

- Specify connection details
- Download JDBC driver
- Select schema / tables to work with



Database Console

SQL console with autocompletion, inspections, error highlighting, autocompletion on joins, ...

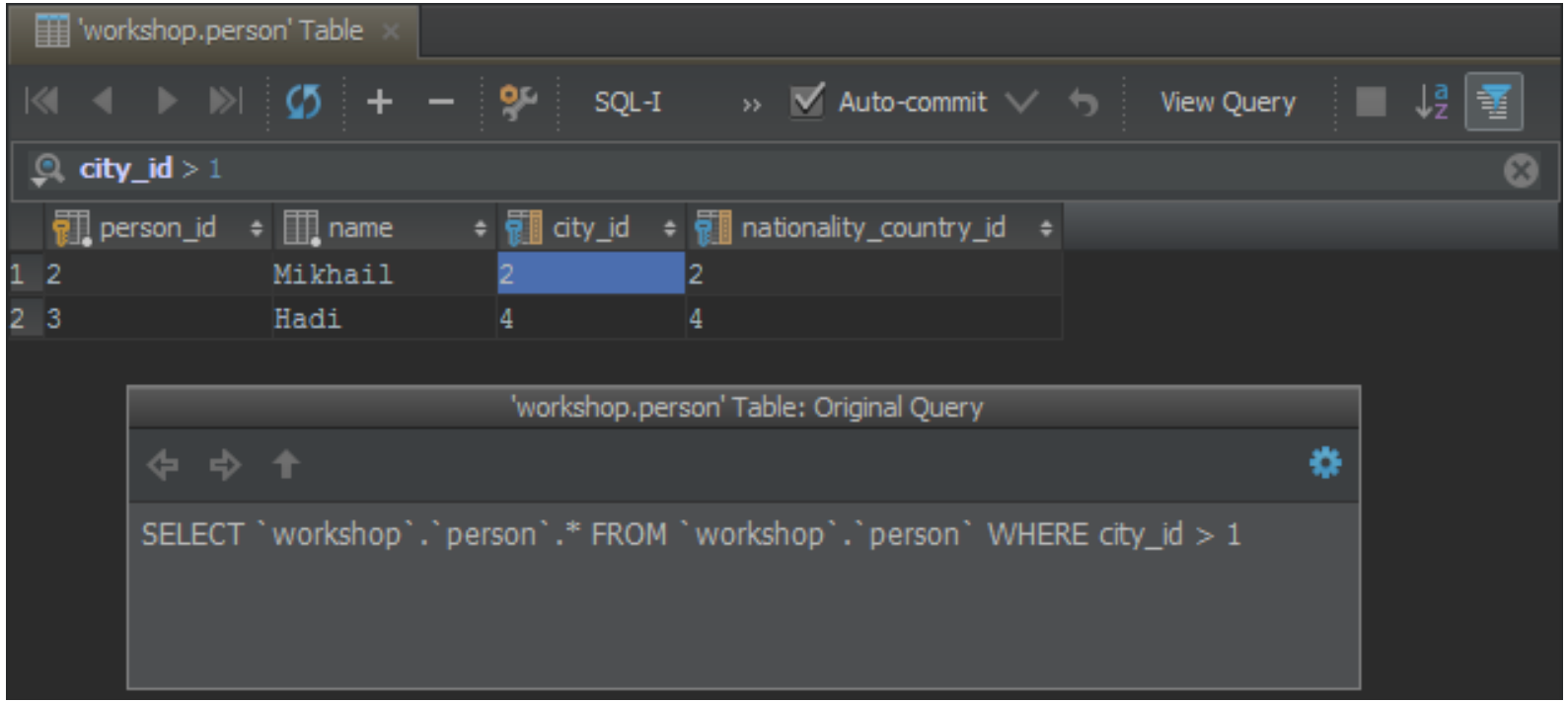


Ctrl+Shift+F10

Command+Shift+F10

Table Editor

Edit records in a table: insert, update, delete, ...

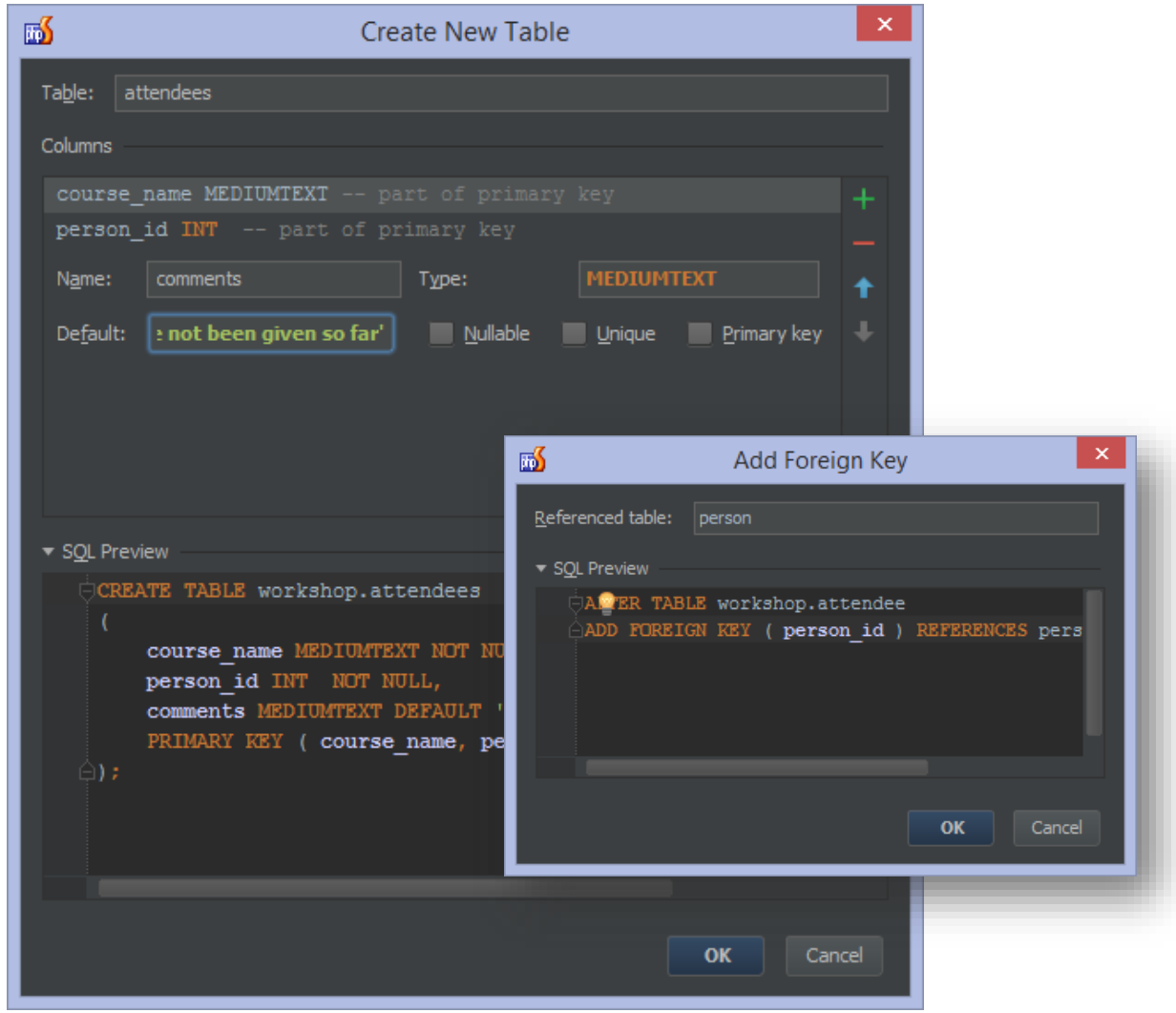


F4

F4

Create New Table

Create a new table in the database. Specify column options, default values, primary key, ...

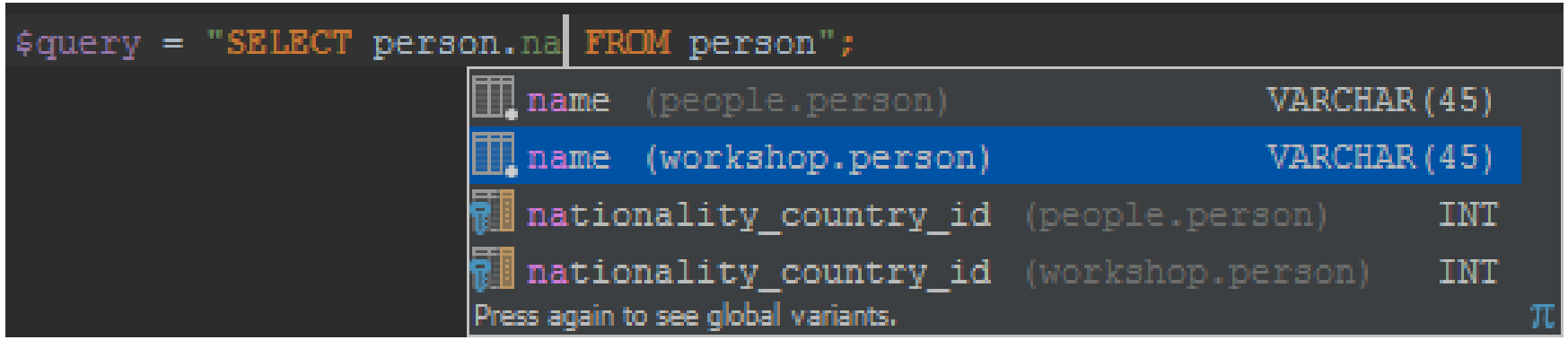


Alt+Insert

Command+N

Database tools in PHP

Strings can be identified as a query, will provide autocompletion, highlighting, ability to go to query editor, run query right from PHP file, ...



Ctrl+Space / Ctrl+Shift+Space

Ctrl+Space / Ctrl+Shift+Space

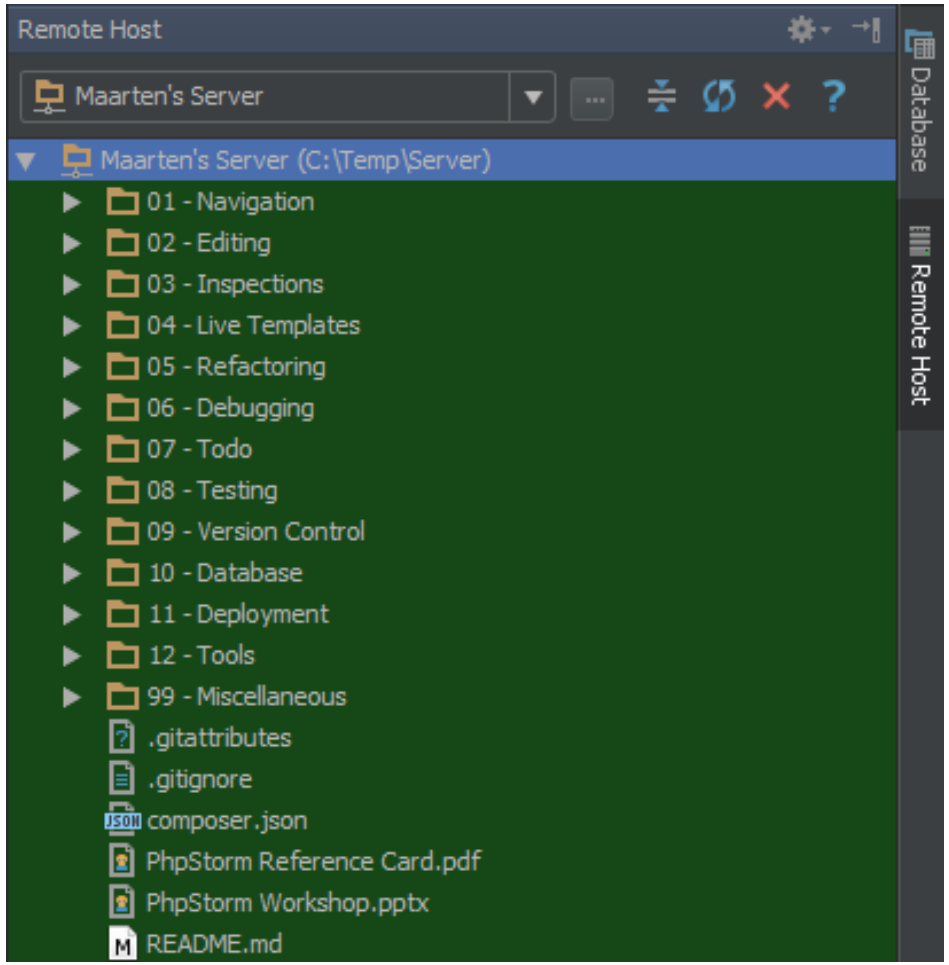
JetBRAINS

Deployment

Remote Hosts

Copy files and folders back and forth between local project and server.

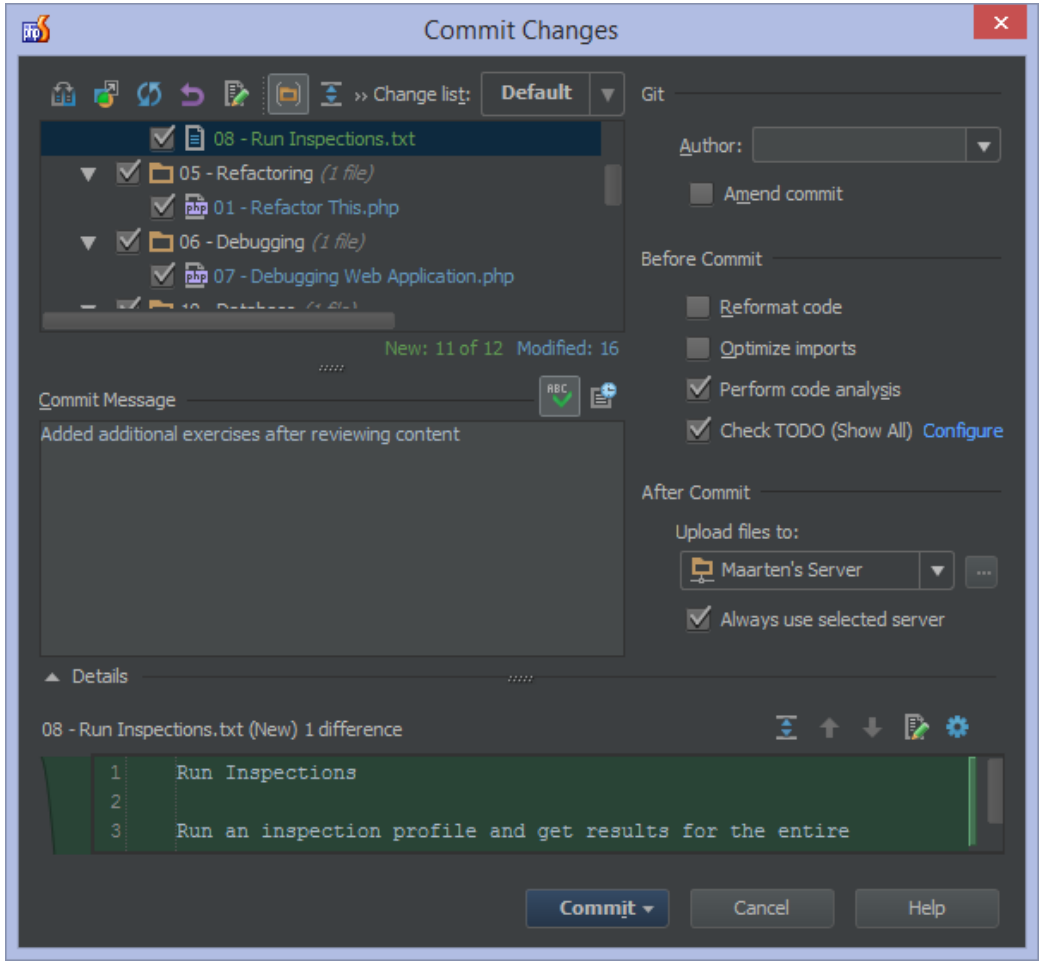
- Can be FTP, FTPS, SFTP, Local or Mounted Folder or In Place.



Integration with VCS

Upload files to server when committing to source control.

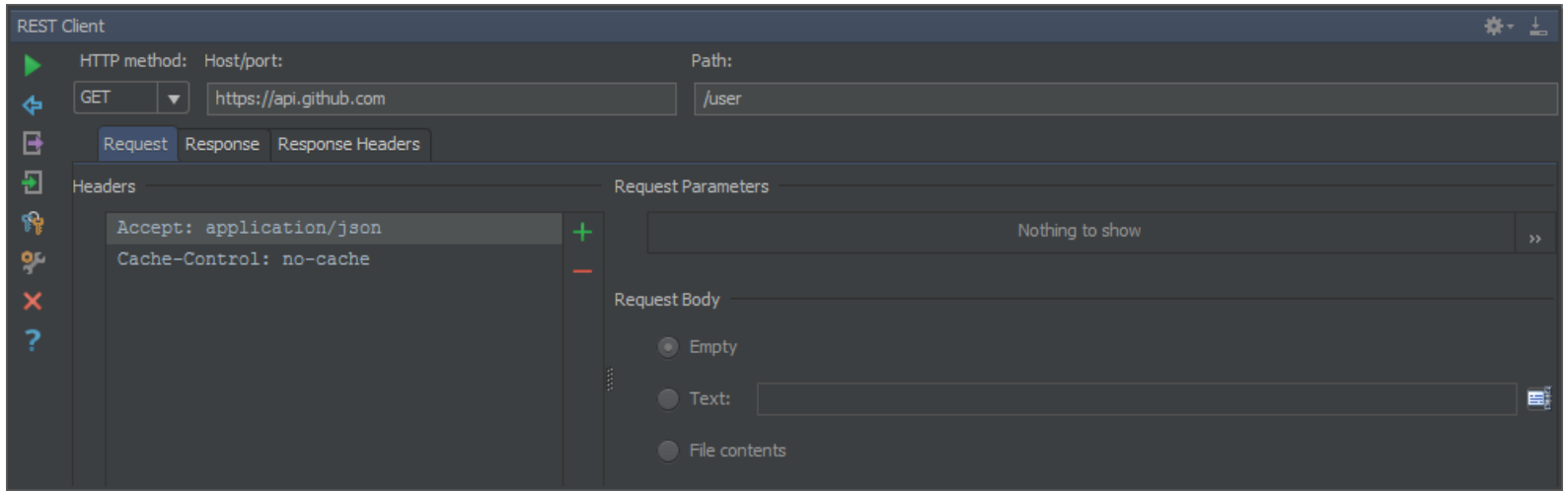
- Useful for development servers.
- For production servers better to use continuous integration server.



Tools

REST Client

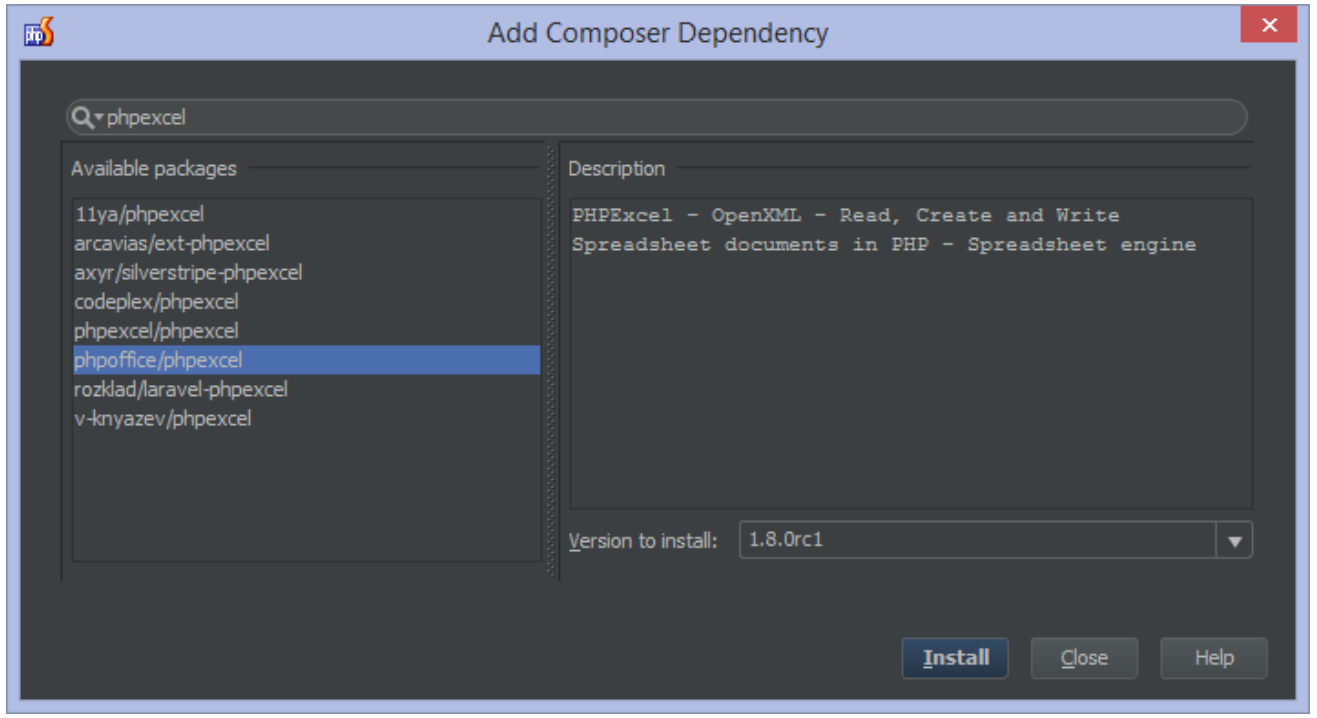
The built-in REST client allows testing web API's. Build requests, inspect responses.



Composer

Work with Composer dependency manager in the IDE.

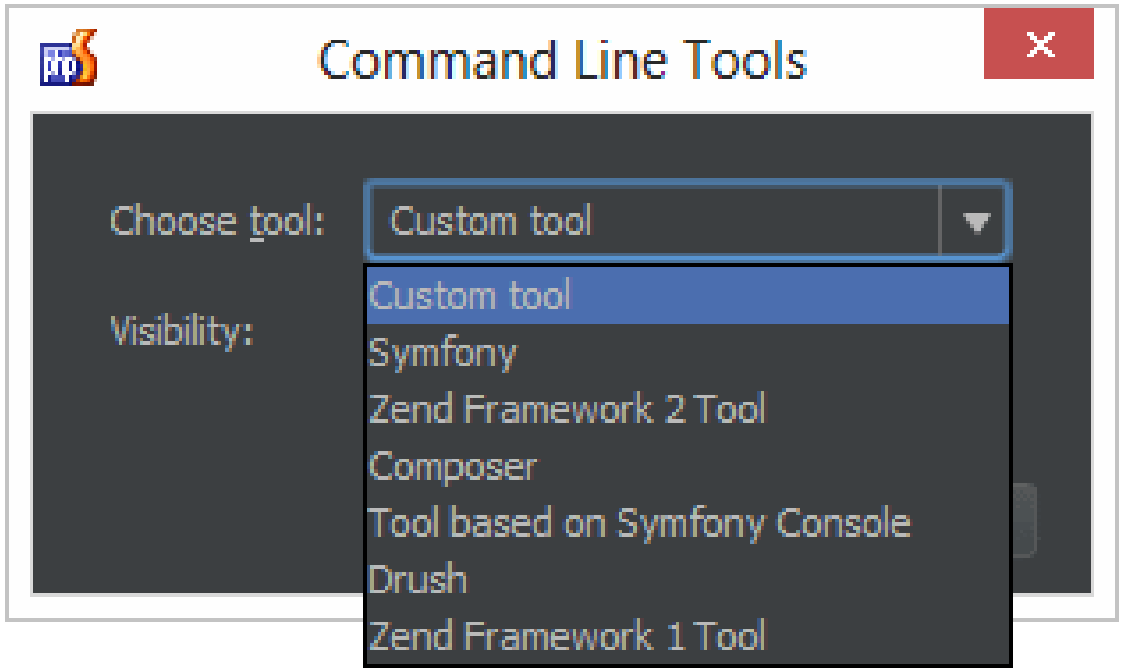
- Initialize Composer
- Search and install Composer dependencies
- Create new project using Composer project type.
- Command Line Tools (see further)



Command Line Tools

Invoke command line tools shipped with frameworks and libraries.

- Composer, Zend Framework, Symfony, Symfony Console-based, Drush or roll your own
- Autocompletion support
- Not meant to be a full console/terminal!



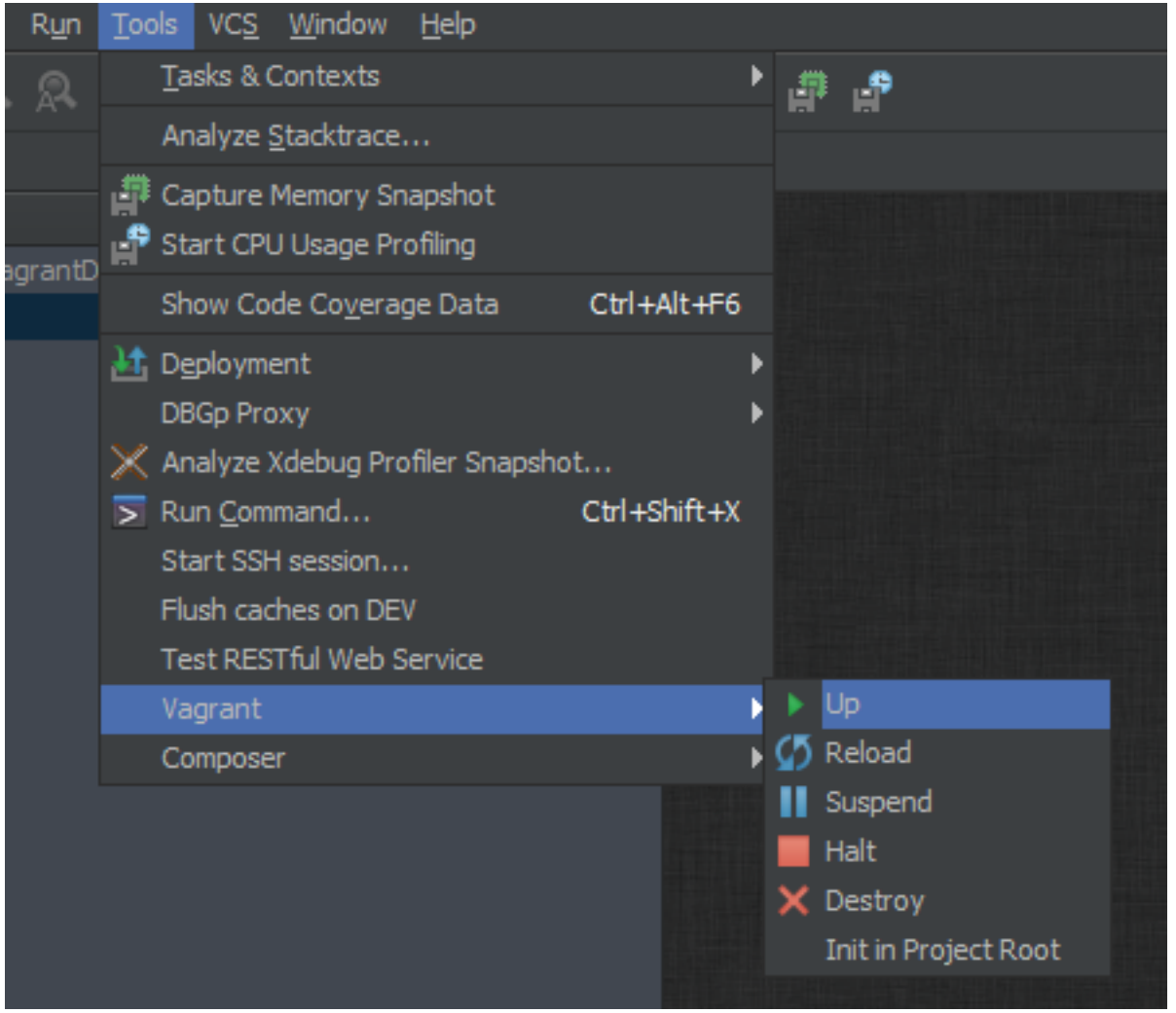
Ctrl+Shift+X

Command+Shift+X

Vagrant

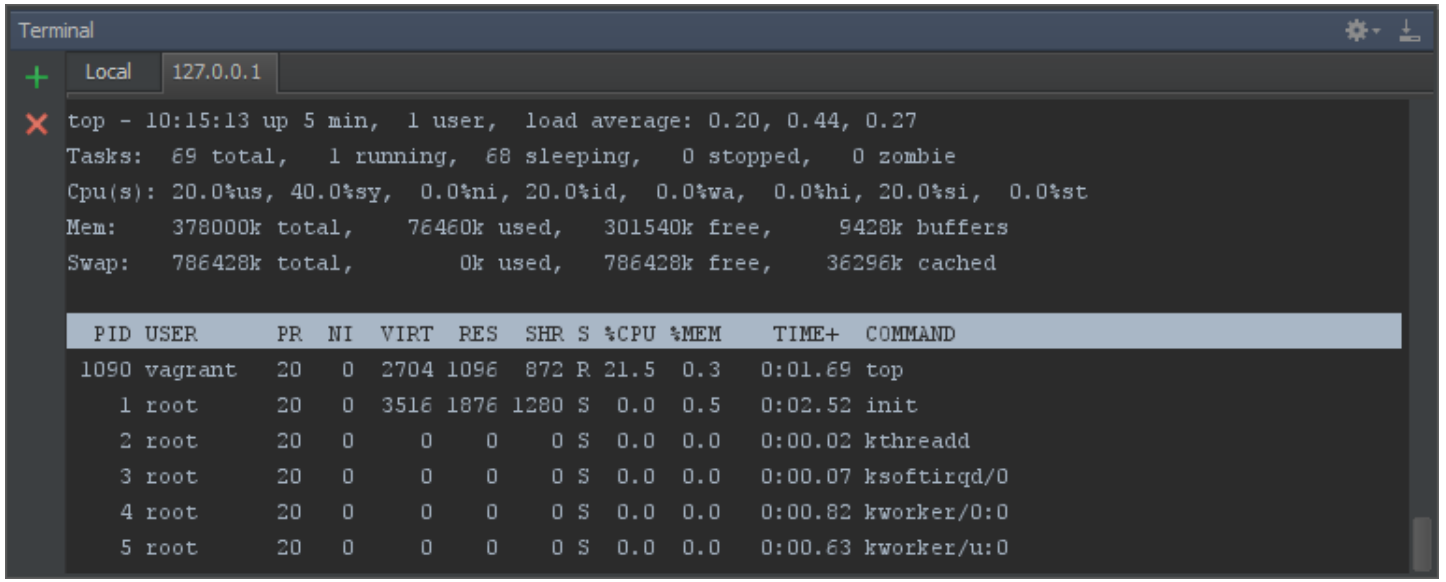
Vagrant is a tool which helps us create reproducible development environments by scripting a virtual machine.

See http://blog.jetbrains.com/phpstorm/2013/08/vagrant-support-in-phpstorm/



Remote SSH Terminal

Connect to a remote SSH server.
Provides a full SSH terminal in the IDE.

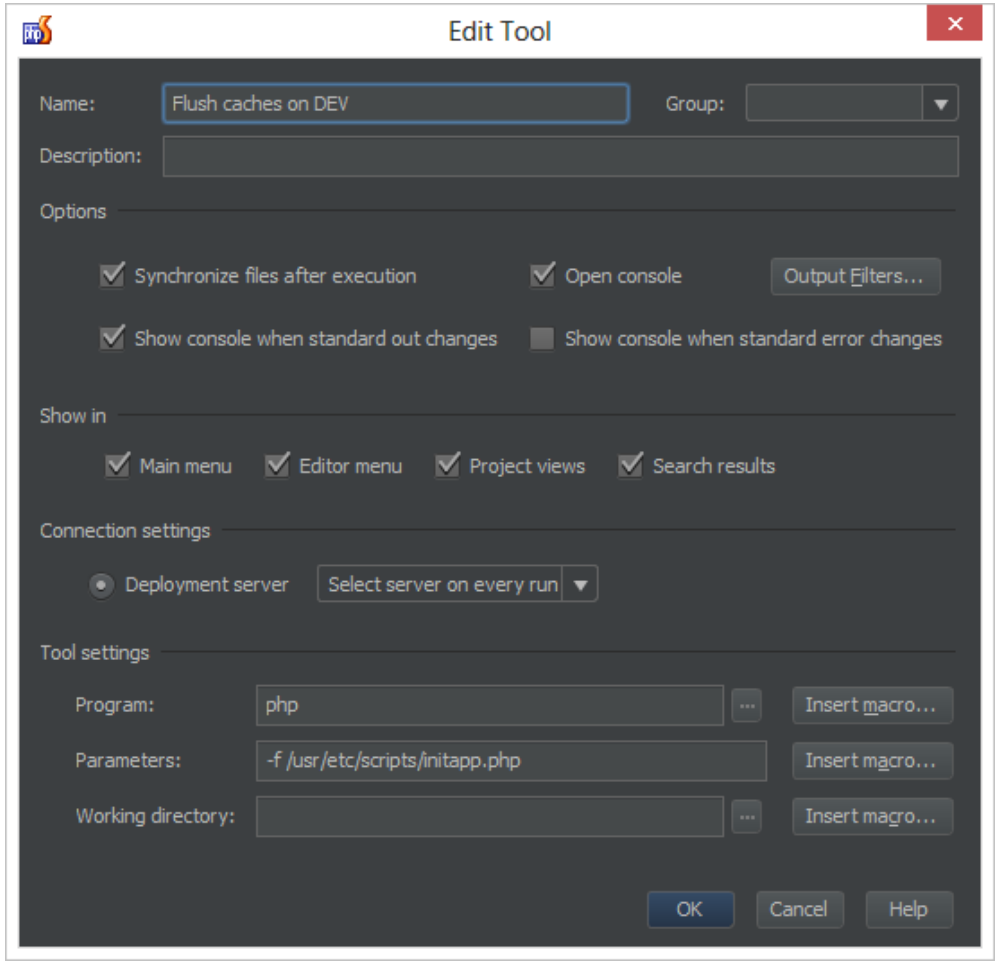


Remote SSH External Tools

Invoke remote commands over SSH without having to manually log in to the remote server.

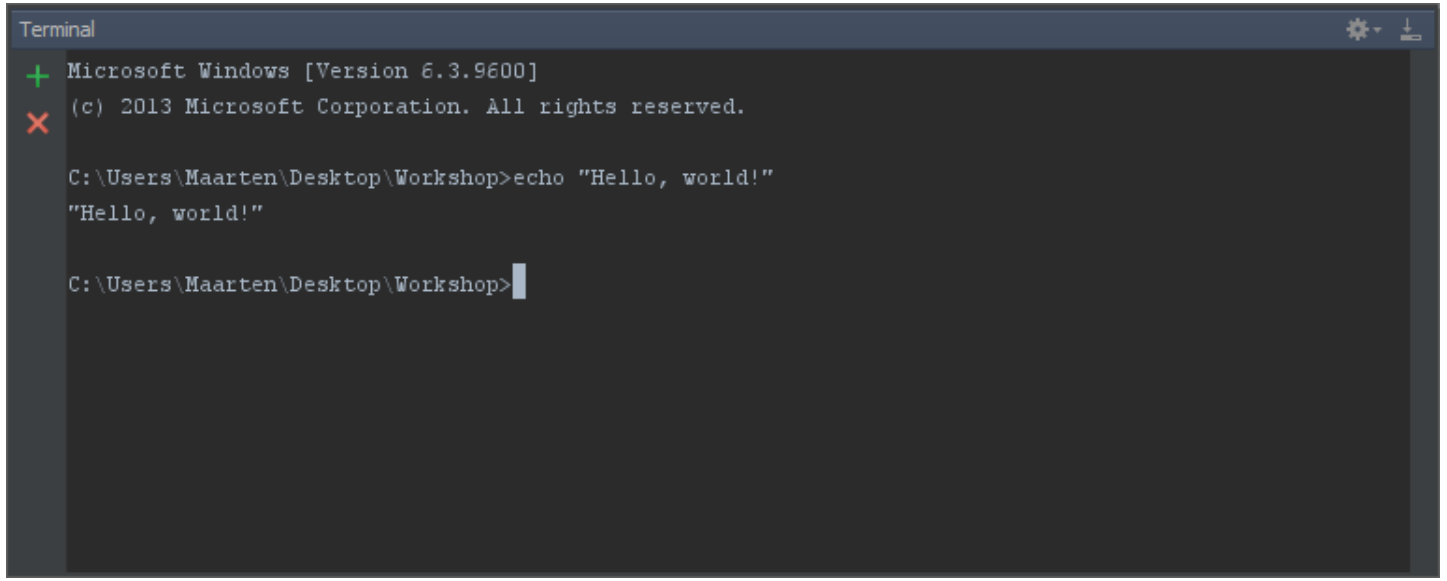
- Add them to PhpStorm menus for easy access.
- Assign keyboard shortcut.

http://confluence.jetbrains.com/display/PhpStorm/Using+the+PhpStorm+built-in+SSH+terminal+and+remote+SSH+external+tools#UsingthePhpStormbuilt-inSSHterminalandremoteSSHexternaltools-WorkingwithremoteSSHexternaltools



Local Terminal

Provide a local terminal. Works on any platform supported by PhpStorm.



 Ctrl+Space / Ctrl+Shift+Space

 Ctrl+Space / Ctrl+Shift+Space

Plugins

PhpStorm = IntelliJ IDEA – JAVA + plugins

Base IDE enriched with plugins

Some plugins are for paid IDE only

Which is cool: WebStorm features can be installed in PhpStorm

A lot of free / open source plugins at http://plugins.jetbrains.com/?phpStorm

Install from **IDE Settings | Plugins**

Some interesting JetBrains plugins

LiveEdit - view changes live in browser and vice-versa

NodeJS - install Node.js packages (NPM) in a similar way to Composer

IdeaVim - adds VIM capabilities to the IDE

Handlebars/Mustache and EJS - plugins for working with client-side template engines

JSTestDriver and Karma - run JavaScript unit tests

Puppet Support - provides editor support for puppet, very conventient with Vagrant

...

JetBRAINS

Some interesting open source plugins

'Copy' on steroids - copy rich text from the editor
Markdown - provides Markdown editor support and syntax highlighting
BashSupport - support bash files in editor
AngularJS - support for AngularJS
Symfony, Yii, CakeStorm, ... - framework-specific plugins
CodeGlance - the editor scrollbar on steroids
EditorConfig - support for EditorConfig settings
Get Gist - fetch a Gist from GitHub and insert it into code
...

JetBRAINS

There is much more...

What we did not cover...

Be sure to try these afterwards!

- File Watchers – monitor a file and run command when it changes (e.g. LESS to CSS)
- Google App Engine – work with GAE development environment and deploy
- Drupal Support – project support, code style, hooks, ...
- Live Edit – view changes live in browser and vice-versa
- Issue Tracker – open and browse issues from YouTrack, JIRA, GitHub, ...
- HTML, CSS, JS tools
- Framework Integration – integrate with Symfony, Yii, ...
- GitHub support – pull requests, gists, ...

JetBRAINS

Resources

Resources

Keyboard reference - http://bit.ly/phpstorm-shortcuts

Blog - http://blog.jetbrains.com/phpstorm/

Web Help - http://www.jetbrains.com/phpstorm/webhelp/

Tutorials - http://confluence.jetbrains.com/display/PhpStorm/Tutorials

Courseware (videos) – http://bit.ly/phpstorm-videos

Webinars - http://blog.jetbrains.com/phpstorm/tag/webinar/

Twitter - https://twitter.com/phpstorm

JetBRAINS


JetBRAINS
Develop with pleasure!