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NetBeans

**How to Deploy PHP Application with
Netbeans IDE and how to test PHP
application with Netbeans IDE.**

Features and Innovations

What is NetBeans?



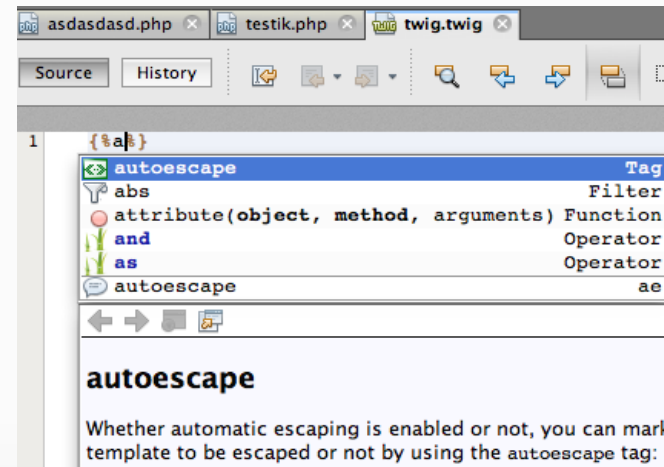
- A comprehensive, modular IDE
 - Ready to use out of the box
 - Support for latest Java specifications & standards
 - Other languages too (PHP, C/C++, etc)
 - Intuitive workflow
 - Debugger, Profiler, Refactoring, etc.
 - Binaries & ZIPs for Solaris, Linux, Windows, Mac
- Simply download and run on any OS with a JDK!



What's new in 7.3 for PHP



- Support for
 - Composer
 - improved Twig support
 - Improved Smarty support
- Tools
 - New hints
 - Better code formatting
 - Resolve project problems
 - Improved code completion



```
trait Singleton {  
    public static function getInstance() { }  
}  
  
trait Test{  
    public function getResult() { }  
}  
  
class A {  
    use  
}  
?>
```

Singleton newEmptyPHP.php
Test newEmptyPHP.php

more at http://wiki.netbeans.org/NetBeans_73_NewAndNoteworthy#PHP

- Simple TodoList PHP application
- Sources available at <https://github.com/ladariha/todolist>

PHPUnit support



- Built-in support for PHPUnit framework
- Completion for PHPUnit @annotations
- Easy creation of test cases
- Custom PHPUnit configuration per project
- Code coverage reports and lines highlighting

...And more

- Support for Template for Jenkins Jobs for PHP Projects
 - <http://jenkins-php.org/>
- Build your PHP project and test it on Jenkins from IDE
- Review results in IDE
 - View console output
 - View job history



- Support for Composer
 - <http://getcomposer.org/>
 - Manage dependencies per project
 - vs. system-wide approach like PEAR
 - List of all dependencies in JSON file
 - Part of project
- How can NetBeans help?
 - Download all declared dependencies directly in IDE
 - Stable or development version
 - Update/validate dependencies



- Always prefer version control system – usually part of SCM tools:
 - Version control system, bug tracking, documentation etc.
- NetBeans support Mercurial, Git and Subversion
 - View history, revert changes, commit modifications, review annotation in source editor etc
- Track uncommitted changes with Local history
- As a last resort you can use FTP

- Support for various type of FTP:
 - FTP(S), SFTP
- Upload files manually, on run or on save
- Keep-alive feature
 - To avoid losing connection with server
 - Sends NOOP command in specified intervals => no need to reconnect to server

- Introduced in NetBeans 7.2
- Compare local and remote files before uploading or downloading
 - Resolve conflicts
 - Helps to avoid source overriding
- Support for selected file or all sources
- Server dependent
 - NetBeans compares files by their timestamps => FTP server may return old timestamps

FTP Synchronization



Remote Synchronization for todolist: ftp

Show Planned Operations

☒ Download ☒ No Operation ☒ Upload ☒ Delete

Show Problems

☒ Warning ☒ File Conflict ☒ Symbolic Link ☒ Error ☒ File vs. Directory Collision

Check All Uncheck All

Remote Path	Local Path
composer.json	composer.json
conf	conf
conf/setup.php	conf/setup.php
ctrl	ctrl
ctrl/ListCtrl.php	ctrl/ListCtrl.php
ctrl/ListsCtrl.php	ctrl/ListsCtrl.php
ctrl/ToDoCtrl.php	ctrl/ToDoCtrl.php
dao	dao
dao/ToDoDAO.php	dao/ToDoDAO.php
dao/ToDoListDAO.php	dao/ToDoListDAO.php
db	db
db/DbConnection.php	db/DbConnection.php
db/todolist.sql	db/todolist.sql
model	model
model/ToDo.php	model/ToDo.php

All: 0 downloads, 2 uploads, 0 deletions, 82 no-ops, 0 errors, 0 warnings.

Note that Remote Synchronization is experimental. Review all suggested operations before proceeding. Note

☒ Show Summary Before Start

SY

LIST -a /home/vriha/NetBeansProjects/tb/ctrl
150 Here comes the directory listing.
226 Directory send OK.
CWD /home/vriha/NetBeansProjects/tb/db
250 Directory successfully changed.
PORT 127,0,0,1,226,125
200 PORT command successful. Consider using PASV.
RETR DbConnection.php

Remote Diff for db/DbConnection.php

Graphical Textual

Remote Version 1/1 Local Version

```
* and open the template in the
*/
/**
 * Description of DbConnection
 */
* @author vriha
*/
class DbConnection {
    /**
     * @var PDO
     */
    private static $db = null;

    public static function connect() {
        if (DbConnection::$db != null) {
            return;
        }
        try {
            DbConnection::$db = new PDO(
                DbConnection::$dbDriver,
                DbConnection::$dbUser,
                DbConnection::$dbPassword
            );
        } catch (Exception $ex) {
            throw new RuntimeException($ex->getMessage());
        }
    }
}
```

Take Over Local Changes Cancel

Next Steps



- Download NetBeans IDE
 - <http://netbeans.org/>
- Read latest information about PHP in NetBeans at our blog
 - <https://blogs.oracle.com/netbeansphp/>
- Participate in community testing NetCAT
 - <http://wiki.netbeans.org/NetCAT>

Thank You!

Questions?

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