Who is Lukas?

PHP since 2000
PEAR since 2002
Unofficial official todo wiki since 2005
PHP Matters
Source: Netcraft
What’s on your menu?

- Yes you can break the rules of CS in PHP
- Yes you can write spaghetti-code in PHP
- Yes this is a feature
- Good PHP programmers know when to clean up
We have all the flavors
PHP rules the desktop too!

phpMyAdmin - the most used UI for MySQL?
Knowing your weaknesses

- magic_quotes_*
- register_globals
- safe_mode
- dynamic break operand aka “break $foo;”
- zend.ze1_compatibility
and fixing them

- `magic_quotes_*`
- `register_globals`
- `safe_mode`
- `dynamic break operand` aka "break $foo;"
- `zend.ze1_compatibility`
Speaking in tongues

PHP6 is all about native Unicode support
PHP6 = PHP5.3 + Unicode?

- PHP6 will have all the PHP5.3 features
  - Namespaces, Late Static Binding, __callStatic()
- Currently PHP6 has a Unicode on/off switch
  - Alternatively the switch might be removed
- PHP5.3 would then become PHP6 without Unicode
PHP = open source
The secret sauce is you .. you and you!
Participation on mailing lists

- Be friendly, be humble, be informed
- The more you do for PHP, the more people will listen to you
- Know who you are speaking to
Bug reporting

Make sure to include a reproducible test case and a back trace for segfaults/crashes
Reproducing a bug

- http://bugs.php.net
- Find your favorite bug
- Follow the bug description
- Try to reproduce the bug and add a note in the bug report about your results
Writing test cases

- PHP uses the .phpt test framework
- Follows KISS principle
- Spawns separate PHP instances for every test case to make crashes testable
- Get instructions at http://qa.php.net

```
<?php
/* Do not change this test it is a README.TESTING example. */
$trans = array("hello"=>"hi",
    "hi"=>"hello",
    "a"=>"A",
    "world"=>"planet");
var_dump(strtr("# hi all, I said hello world! #", $trans));
?>
--EXPECT--
string(32) "# hello All, I sAid hi planet! #"
```
Test and Code Coverage

Check [http://gcov.php.net](http://gcov.php.net) for areas where PHP needs more tests.
Providing a patch

- Upload your patch to the web
- Add link to the relevant bug report or feature request
- Include a test case!
- Explain patch if needed
Getting a @php.net email

- Submit patches, tests, documentation
- People will get bored from applying all of your well tested contributions
- Commit karma includes @php.net email address
Writing documentation

- PHP Documentation is written in DocBook
- There is even documentation on how to write documentation
- http://doc.php.net/php/dochowto
- Windows, Linux, OS X
Writing code

- PHP Internals
- PECL - Library of C Extension
- PEAR - Library of PHP packages
- PHP-GTK - GTK binding for PHP
- phpweb - PHP Website
- ...

...
Code lives at cvs.php.net

- Anyone may check out the code for any PHP subproject
- Write access is controlled via “karma”
- CVS automatically detects conflicts and keeps a log of all commits

<table>
<thead>
<tr>
<th>File</th>
<th>Rev.</th>
<th>Age</th>
<th>Author</th>
<th>Last log entry</th>
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<tbody>
<tr>
<td>tests/</td>
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<td></td>
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<tr>
<td>.cvsignore</td>
<td>1.14</td>
<td>2 years</td>
<td>derick</td>
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<td>sniper</td>
<td>MFB</td>
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<td>core.h</td>
<td>1.8</td>
<td>10 months</td>
<td>sebastian</td>
<td>Bump year.</td>
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</table>
A case study of participation

- Long ago I created a PHP release management wiki
- Derick and Ilia added a page for the release process
- I suggested moving this page onto php.net, Hannes wanted DocBook, Derick suggested using reST
- I wrote prototype using the Horde Text_reST package, Hannes tweaked and committed to http://php.net/reST
- Chuck from Horde is now tweaking Text_reST
Google Summer of Code

- Every year PHP can select over half a dozen proposals.
- Any student can propose a project.
- PHP provides mentors for selected projects.
- Google pays the student.
The next ideas ..

- How about making it possible to tag mailing list posts by topic, decisions, summaries for easier reference?
- People keep posting the same stuff over and over
- Nobody remembers previous decisions
- It's hard to find the important posts in the archives, or even the right threads
- Zend Weekly News provide a chronological summary
- Finish world map of PHP devs on http://people.php.net
Insert your ideas <here>

Do not hesitate to propose your ideas. Code beats talks any day!
Thank you all for listening!

Questions?
Comments?