



## PHP5 Best Practices



# Agenda

- Code upgrade : in QA (NRT PHP4 28/08)
- DevNG PHP5 : available
- Re7NG PHP5 : 31/09
- Tests PHP5 on lexa.nl : 05/10
- Rollout servers upgrade : TBA

Dating web front and secure first.

OBO, WS and others sub-systems in a second time.

# Deprecated functions

## POSIX Regex:

- `ereg`
- `eregi`
- `ereg_replace`
- `eregi_replace`
- `split`
- `spliti`
- `sql_regcase`

## Session:

- `session_register`
- `session_unregister`
- `session_is_registered`

## Miscellaneous:

- `mktime` without arguments (use `time` instead)
- `array_merge` now accepts only array arguments
- ... some other Easter eggs!

# Use PCRE instead of POSIX regular expressions

## Differences:

- The pattern must be enclosed by delimiters: `preg_match('/my pattern/', $string);`
- PCRE supports pattern modifiers: `preg_match('/my pattern/i', $string);`
- The POSIX functions find the longest of the leftmost match, but PCRE stops on the first valid match.

## Equivalencies:

- `ereg(i)_replace` => `preg_replace`
- `ereg(i)` => `preg_match`
- `split(i)` => `preg_split` or `explode`

# Beware of references

## Never pass values by reference:

```
<?php
function foo(&$bar)
{
    // some code
}

foo('bar'); // This code does not work
$var = 'bar';
foo($var); // The good way
```

## Don't force a variable to be passed by reference:

```
<?php
function foo($bar) // No reference in the prototype
{
    // some code
}

$bar = 'foo';
foo(&$bar); // Beurk !!
```

## Some built-in PHP functions take arguments by reference:

```
<?php
$string = 'my,super,string';

// Error:
$result = array_pop(explode(',', $string));

// The good way:
$explod = explode(',', $string);
$result = array_pop($explod);
```

# Don't use PHP5 exclusive features

## Arrays:

- array\_combine
- array\_diff\_key
- array\_diff\_uassoc
- array\_fill\_keys
- array\_intersect\_key
- array\_intersect\_uassoc
- array\_intersect\_ukey
- array\_product
- array\_replace\_recursive
- array\_replace
- array\_udiff\*
- array\_uintersect\*
- array\_walk\_recursive

## Strings:

- convert\_\*
- fprintf
- hex2bin
- htmlspecialchars\_decode
- lcfirst
- quoted\_printable\_encode
- str\_getcsv
- str\_ireplace
- str\_split
- stripos
- stripos
- strpbrk
- substr\_compare
- vfprintf

## Objects:

- Visibility keywords (public, private, protected)
- « static » keyword for method declaration
- Magic methods other than \_\_sleep and \_\_wakeup
- Class constants
- Interfaces
- Type hinting

## New PHP5 arguments:

- microtime(true)
- etc...

- READ THE LOGS!
- TEST YOUR CODE IN BOTH ENVIRONMENTS (PHP4 & 5)!
- READ THE MANUEL!