



# New Features in PHP 6.0 (and a few things about 5.3)

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# unicode!!!!

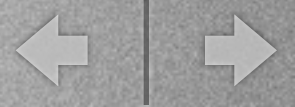
- True support for Unicode (UTF-8) in PHP 6
- Can be disabled on per server basis





# caching

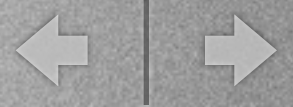
- APC (Alternative PHP Cache) moved to the core.
- Written by Rasmus
- Both page level (opcode) and application caching.



# namespaces

- Namespaces are in PHP 6 and 5.3
- “namespace X::Y::Z” means all new class/function/method names are prefixed with X::Y::Z class/function/methods are resolved first against X::Y::Z.
- “import X::Y::Z as Foo” aliases the prefix “Foo” to actually mean “X::Y::Z”





# late static binding

- In both 6.0 and 5.3
- See <http://blog.felho.hu/what-is-new-in-php-53-part-2-late-static-binding.html>

```
<?php
class ActiveRecord
{
    public static function findByPk($id)
    {
        $calledClass = get_called_class();
        // The magic happens here
    }
}

class Blog extends ActiveRecord {}

Blog::findByPk(1);
?>
```



# mysqlnd

- MySQL database driver written in the Zend Engine (nd == 'native driver')
- faster execution
- lower memory usage
- performance statistics
- client side cache (not ready for 5.3)
- Works with ext/mysql, ext/mysqli, PDO/mysql
- Available in 6.0 and 5.3

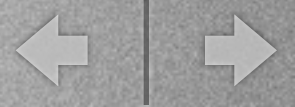




# breaking to a label

- similar to “goto”
- Can jump to a labeled point further down the execution path.

```
<?php
for ($i = 0; $i < 9; $i++)
{
    if (true) {
        break blah;
    }
    echo "not shown";
blah:
    echo "iteration $i\n";
}
?>
```



# foreach on multi-dimensional arrays

- syntactic sugar

```
<?php
$a = array(
    array(1, 2),
    array(3, 4)
);
foreach( $a as $k => list($a, $b)) {
    // blah
}
?>
```





# improvements to []

- For both strings and arrays, the [] operator will support substr()/array\_slice() functionality.
- [2,3] is elements (or characters) 2, 3, 4
- [2,] is elements (or characters) 2 to the end
- [,2] is elements (or characters) 0, 1, 2
- [,-2] is from the start until the last two elements in the array/string
- [-3,2] this is the same as substr and array\_slice()
- [,] doesn't work on the left side of an equation (but does on the right side)



# microtime

- **microtime returns a full float instead of “timestamp microtime”**
- **Just like calling `microtime(true)`**





- calling dynamic functions statically throws `E_ERROR`



# removed features

- register globals
- magic quotes
- safe mode
- ereg removed from the core
- long variables (i.e. `$HTTP_*_VARS`)
- `<%`





# thank you

## Questions?

### Links for more info

- <http://www.php.net/~derick/meeting-notes.html>
- <http://www.gravitonic.com/downloads/talks/afup-2007/php-il8n.pdf>
- <http://php100.wordpress.com/2007/08/17/namespaces-faq/>
- <http://wiki.pooteeweet.org/index.php?area=PHPTODO&page=PhP60>
- <http://www.tuxmachines.org/node/22115>