Agenda

• How does it work?
• How to get started?
• Start development using ibase driver
• Using a framework – Zend Framework
• Future of the PHP driver
How does it work?

Can be request for HTML, CSS, JS, PHP or a combination.

Response is no PHP, but result of the PHP interpreter: HTML, CSS, JSON ...

Request

HTML renderer

CSS renderer

JS interpreter

Response

Web-Server

Browser

Mail, SMS, RSS, ...

Firebird Server

ibase driver

Response is no PHP, but result of the PHP interpreter: HTML, CSS, JSON ...

Can be request for HTML, CSS, JS, PHP or a combination.
How to get started?

• Check the PHP environment
• Install ibase extension
• Install correct fbclient library
• Restart web server
• Check loaded PHP modules
• php.ini
php.ini

• Core section
  – display_errors = On (development only)
  – display_startup_errors = On (development only)
  – date.timezone = 'Europe/Berlin'

• Firebird specific
  – ibase.timestampformat = "%Y-%m-%d %H:%M:%S"
  – ibase.dateformat = "%Y-%m-%d"
  – ibase.default_charset = "UTF8" (optional)
Start development using the ibase driver

- Demos
  - Connect database
  - Error handling
  - Transactions
  - Statements
  - Using services
Using a Framework

- Object oriented
- Integrated DB adapters
- Modules
- Speedup of development
- Learning curve
// Start a transaction explicitly.
$db->beginTransaction();

try {
    // Attempt to execute one or more queries:
    $db->query(...);
    $db->query(...);

    // If all succeed, commit the transaction and all changes are committed at once.
    $db->commit();
} catch (Exception $e) {
    // Rollback on error
    $db->rollBack();
    echo $e->getMessage();
}
Zend Framework I - advantages

- Object oriented
- Modules
- Reusable code
Zend Framework I - disadvantages

- ZendX extension
- EOL
Application based on Zend Framework and Firebird

- SynDesk ERP
  - Multi client
  - Multi user
  - Web based
  - Responsive
  - Etc.
Frameworks

- Cake PHP
- Zend Framework III
- Yii
- Symfony
- Laravel
- CodeIgniter
Future of the Firebird PHP driver

- New maintainer: Martin Köditz
- ibase driver moved from PHP core to PHP PECL
- Integration in FirebirdSQL as submodule
- Development independent of PHP community
- Replace Interbase identifiers
Summary

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- How to get started?
- Start development using ibase driver
- Using a framework – Zend Framework
- Future of the PHP driver
Helpful resources

- firebirdforum.de
- Mailing list Firebird-PHP